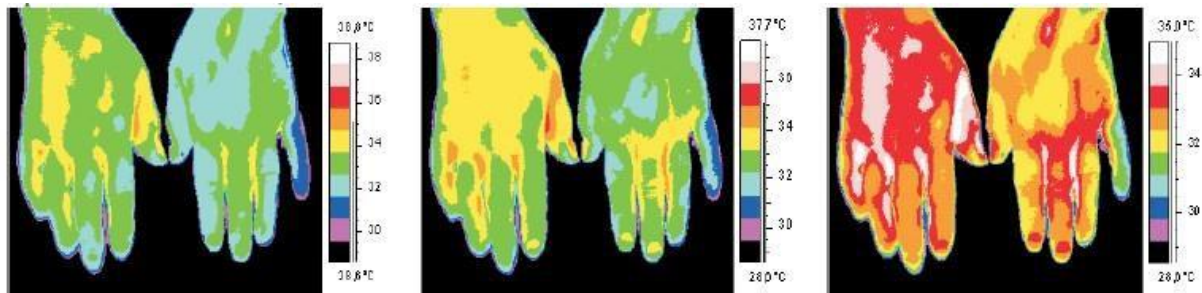


Published papers on
THERMOLOGY or TEMPERATURE MEASUREMENT
between 2014 and 2017

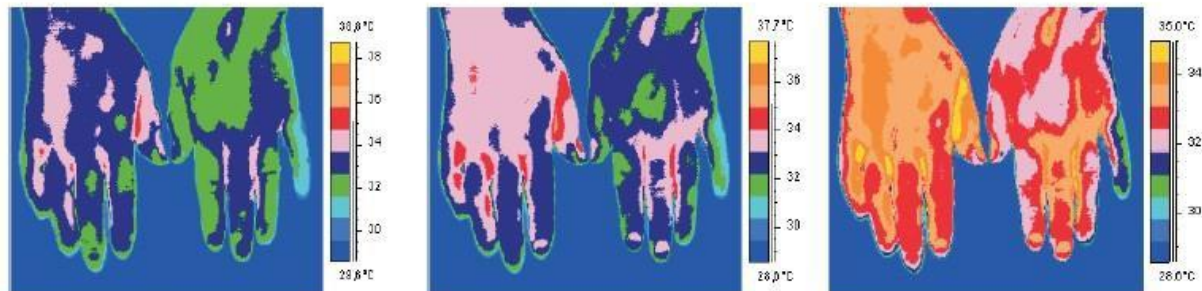
Volume 5



temperature range 10.2°C

temperature range 9.1°C

temperature range 6.4°C



an index of publications computed by Prof Kurt Ammer MD, PhD

Aadal L, Fog L, Pedersen AR. Tympanic ear thermometer assessment of body temperature among patients with cognitive disturbances: An acceptable and ethically desirable alternative? *Scandinavian Journal of Caring Sciences* 2016; 30 (4) 766-773

Aalaei S, Amini S, Keramati MR, Shahraki H, Abu-Hanna A, Eslami S. Blood bag temperature monitoring system. *Studies in health technology and informatics* 2014; 205: 730-734.

AAT American Academy of Thermology. Guidelines for Breast Thermography *Pan American Journal of Medical Thermology* 2015; 2(1) 26-34

AAT American Academy of Thermology. Guidelines For Dental-Oral And Systemic Health Infrared Thermography. *Pan American Journal of Medical Thermology* 2015; 2(1) 44-53

AAT American Academy of Thermology. Guidelines for Neuromusculoskeletal Infrared Thermography Sympathetic Skin Response (SSR) Studies. *Pan American Journal of Medical Thermology* 2015; 2(1) 35- 43

Abbas AE, Zacharias SK, Goldstein JA, Hanson ID, Safian RD. Invasive characterization of atherosclerotic plaque in patients with peripheral arterial disease using near-infrared spectroscopy intravascular ultrasound. *Catheterization and Cardiovascular Interventions* 2017, 90 (3): 461-470.

Abbas AK, Leonhardt S. Intelligent neonatal monitoring based on a virtual thermal sensor. *BMC Medical Imaging* 2014; 14 (1) Art. No. 9.

Abd Elmawgood A, Rashwan S, Rashwan D. Effect of parecoxib on remifentanyl induced postoperative shivering. *Egyptian Journal of Anaesthesia* 2014; 30 (4): 399-403.

Abdelwahab R, Yang H, Teka H.G. A quality improvement study of the emergency centre triage in a tertiary teaching hospital in northern Ethiopia. *African Journal of Emergency Medicine* 2017, 7(4) 160-166

Abdi MR, Shakur HR, Rezaee Ebrahim Saraee KH, Sadeghi M. Effective removal of uranium ions from drinking water using CuO/X zeolite based nanocomposites: Effects of nano concentration and cation exchange. *Journal of Radioanalytical and Nuclear Chemistry* 2014; 300 (3): 1217-1225.

Abdul-Aziz A, Wroblewski AC, Bhatt RT, Jaskowiak MH, Gorican D, Rauser RW. Assessment of NDE methods for detecting cracks and damage in environmental barrier coated CMC tested under tension. in: Peters KI, ed, *Proceedings of SPIE CT Conference on Smart Sensor Phenomena Technology Networks and Systems integration March 09-10 -2015, San Diego CA 2015, Vol 9436, pp. 943609-943609*

Abdulkadir MB, Johnson WB, Ibraheem RM. Validity and accuracy of maternal tactile assessment for fever in under-five children in north central Nigeria: a cross-sectional study. *BMJ open* 2014; 4 (10), p. e005776.

Abdul'vapova ZN, Grachev PV, Artemova EV, Galstyan GR, Bondarenko ON, Gorbacheva AM, Linkov KG, Loschenov VB. Near infrared imaging for angiography in diabetic patients with peripheral artery disease. *Biomedical Photonics* 2017, 6 (1): 4-11.

Abe K, Taira T. Focused ultrasound treatment present and future. *Neurologia Medico-Chirurgica* 2017, 57 (8): 386-391.

Abouridouane M, Klocke F, Lung D, Veselovac D. The mechanics of cutting: in-situ measurement and modelling. *Procedia CIRP* 2015, 31, 246-251.

Abo-Zahhad M, Ahmed SM, Elnahas O. A wireless emergency telemedicine system for patients monitoring and diagnosis. *International Journal of Telemedicine and Applications* art. no. 380787.

Abraham H, Kuzhively J, Rizvi SW. Chronic inflammatory demyelinating polyneuropathy (CIDP): An uncommon manifestation of systemic lupus erythematosus (SLE). *American Journal of Case Reports* 2017, 18: 980-983.

Abraham JP, Plourde BD. Validation of Numerically Simulated Tissue Temperatures during Transcutaneous Recharge of Neurostimulation Systems. *Neuromodulation* 2016; 9 (2) 161-169

Abreau K, Callan C, Kottaiyan R, Zhang A, Yoon G, Aquavella JV, Zavislan J, Hindman HB. Temperatures of the Ocular Surface Lid and Periorbital Regions of Sjögren's Evaporative and Aqueous-Deficient Dry Eyes Relative to Normals. *Ocular Surface* 2016; 14 (1) 64-73

Acar YA, Çevik E, Çinar O. A novel technique for therapeutic hypothermia: Cooled oxygen inhalation. *American Journal of Emergency Medicine* 2014; 32 (4), p. 384.

accidental hypothermia with cardiac arrest resuscitated with extracorporeal cardiopulmonary resuscitation. *American Journal of Emergency Medicine* 2014; 32 (4): 320-324.

Acharya S, Gurung DB, Saxena VP. Human males and females body thermoregulation: Perfusion effect analysis. *Journal of Thermal Biology* 2014; 45, 30-36.

Acharya S, Mishra S, Chand S. Solvent extraction of La(III) using Cyanex 921 in petrofin and modelling of data by linear and nonlinear techniques. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 1813-1824.

Acharya UR, Tan JH, Koh JEW, Sudarshan VK, Yee S, Too CL, Chua CK, Ng EYK, Tong L. Automated diagnosis of dry eye using Infrared thermography images. *Infrared Physics & Technology* 2015; 71: 263- 271

Acikgoz M, Guzel A, Mura N, Karli A, Sezgin U. Reliability of the infrared and chemical dot temperature measurement methods in the children admitted in the pediatric emergency unit: A prospective study. *Kuwait*

Medical Journal 2016; 48 (2) 105-110

Adam M, Ng EYK, Tan JH, Heng ML, Tong JWK, Acharya UR. Computer aided diagnosis of diabetic foot using infrared thermography: A review. *Computers in Biology and Medicine* 2017, 91: 326-336.

Adamczewski Z, Krol A, Kaluzna-Markowska K, Brzezinski J, Lewinski A, Dedecius M. Lateral spread of heat during thyroidectomy using different haemostatic devices. *Annals of Agricultural and Environmental Medicine* 2015; 22(3): 491-494

Adamczyk J, Boguszewski D, Reaburn P, Bialoszewski D. Is it possible to create a thermal model of warm-up? Monitoring the training process in athletic Decathlon (extended abstract). *Thermology international* 2015, 25(3) 126.

Adamczyk JG, Boguszewski D, Siewierski M, Bialoszewski D. Non-invasive evaluation of lactate level in capillary blood during post-exercise recovery (abstract). *Thermology international* 2014; 24(2) 66

Adams J, Salvador M, Lucera L, Langner S, Spyropoulos GD, Fecher FW, Voigt MM, Dowland SA, Osvet A, Egelhaaf HJ, Brabec CI. Water ingress in Encapsulated Inverted Organic Solar Cells: Correlating Infrared Imaging and Photovoltaic Performance. *Advanced Energy Materials* 2015; 5(20) 1501065

Adams JD, McDermott BP, Ridings CB, Mainer LL, Ganio MS, Kavouras SA. Effect of air-filled vest on exercise-heat strain when wearing ballistic protection. *Annals of Occupational Hygiene* 2015, 58 (8): 1057- 1064.

Adams M, Howell K. Reperfusion of digital vasculature and pulsatility index in Raynaud's phenomenon (abstract). *Thermology international* 2016, 26(2) 63

Adams MS, Salgaonkar VA, Plata-Camargo J, Jones PD, Pascal-Tenorio A, Chen H-Y, Bouley DM, Sommer G, Pauly KB, Diederich CJ. Endoluminal ultrasound applicators for MR-guided thermal ablation of pancreatic tumors: Preliminary design and evaluation in a porcine pancreas model. *Medical Physics* 2016; 43 (7) 4184-4197

Adams WM, Hosokawa Y, Huggins RA, Mazerolle SM, Casa DJ. An exertional heat stroke survivor's return to running: An integrated approach on treatment recovery and return to activity. *Journal of Sport Rehabilitation* 2016; 25 (3) 280-287

Adderley C, Christen A, Voogt JA. The effect of radiometer placement and view on inferred directional and hemispheric radiometric temperatures of an urban canopy. *Atmospheric Measurement Techniques* 2015; 8 (7): 2699-2714

Afolabi OOD, Sohail M. Microwaving human faecal sludge as a viable sanitation technology option for treatment and value recovery – A critical review. *Journal of Environmental Management* 2017, 187: 401-415.

Afonso AS, Andrade HA, Hazin FHV. Structure and dynamics of the shark assemblage off Recife Northeastern Brazil. *PLoS ONE* 2014; 9 (7), art. no. e102369.

Afşar Sİ, Çetin N, Ayaş, S, Mumcu GA, Karatas M. Ulnar nerve conduction abnormalities in Turkish taxi drivers. *Archives of Rheumatology* 2014; 29 (2): 110-117.

Afyf A, Bellarbi L, Riouch F, Errachid A, Sennouni MA. Flexible antenna array for early breast cancer detection using radiometric technique. *International Journal of Biology and Biomedical Engineering* 2016; 10 10-17

Agafontsev MV, Loboda EL, Reyno VV, Anufriev IS. Justification of choice of the spectral range for the study of combustion processes with the use of thermography in the middle IR range. in: Matvienko GG, Romanovskij OA, eds, *Proceedings of SPIE 21st International Symposium On Atmospheric and Ocean Optics -Atmospheric Physics* June 22-26 2015, CL Tomsk Russia 2015; pp. 96803H-96803H

Agalloco JP. Increasing patient safety by closing the sterile production gap-part 2. Implementation. *PDA Journal of Pharmaceutical Science and Technology* 2017, 71(4) 269-273.

Agarwal HS, Wolfram KB, Saville BR, Donahue BS, Bichell DP. Postoperative complications and association with outcomes in pediatric cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery* 2014; 148 (2): 609-616E1.

Aghaei M, Grimaccia F, Gonano CA, Leva S. Innovative Automated Control System for PV Fields inspection and Remote Control. *IEEE Transactions on industrial Electronics* 2015; 62(11): 7287-7296.

Aghayan SA, Sardari D, Mahdavi SRM, Mohammadi M. Enhancing the properties of beam forming bolus in hyperthermia: numerical simulation and empirical verification. *Australasian Physical and Engineering Sciences in Medicine* 2014; 37 (4): 691-703.

Agrawal A, Sharma AR, Tayal S. Assessment of regional climatic changes in the Eastern Himalayan region: a study using multi-satellite remote sensing data sets. *Environmental Monitoring and Assessment* 2014; 186 (10): 6521-6536.

Agrawal M, Pardasani KR, Adlakha N. Steady state temperature distribution in dermal regions of an irregular tapered shaped human limb with variable eccentricity. *Journal of Thermal Biology* 2014; 44 (1): 27-34.

Aguilar-Alberola JA, Mesquita-Joanes F. Breaking the temperature-size rule: Thermal effects on growth development and fecundity of a crustacean from temporary waters. *Journal of Thermal Biology* 2014; 42 (1) 15-24.

Ahmed H, Field W, Hayes MT, Lopez WOC, McDannold N, Mukundan S, Tierney TS. Evolution of Movement Disorders Surgery Leading to Contemporary Focused Ultrasound Therapy for Tremor. *Magnetic Resonance Imaging Clinics of North America* 2015; 23(4): 515

Ahmed IM, Aglan RF, Hamed MM. Removal of Arsenazo-III and Thorin from radioactive waste solutions by adsorption onto low-cost adsorbent. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 2253-2262.

Ahmed MM, Huda ASN, Isa NAM. Recursive construction of of output-context fuzzy systems for the condition monitoring of electrical hotspots based on Infrared thermography. *Engineering Applications of Artificial intelligence* 2015; 39: 120-131

Ahmed SA, Saad-Hussein A, El Feel A, Hamed MA. Time series trend of Bilharzial bladder cancer in Egyptand its relation to climate change: A study from 1995-2005. *International Journal of Pharmaceutical and Clinical Research* 2014; 6 (1) 46-53.

Ahnen L, Wolf M, Hagmann C, Sanchez S. Near-infrared image reconstruction of newborns' brains: Robustness to perturbations of the source/detector location. *Advances in Experimental Medicine and Biology* 2016; 876 377-382

Ahusborde E, Azaiez M, Ben Belgacem F, Del Barrio EP. Mercer's spectral decomposition for the characterization of thermal parameters. *Journal of Computational Physics* 2015; 294: 1-19

Ai SG, Fang DN, He RI, Pei YM. Effect of manufacturing defects on mechanical properties and failure features of 3D orthogonal woven C/C composites. *Composites Part B-Engineering* 2015; 71: 113-121

Aidi B, Philen MK, Case SW. Progressive damage assessment of centrally notched composite specimens in fatigue. *Composites Part A-Applied Science and Manufacturing* 2015; 74: 47-59

Ajayi OO, Adefenwa MA, Agaviezor BO, Ikeobi CON, Wheto M, Okpeku M, Amusan SA, Yakubu A, De Donato M, Peters SO, Imumorin IG. A novel Taql polymorphism in the coding region of the ovine TNXB gene in the MHC class III region: Morphostructural and physiological influences. *Biochemical Genetics* 2014; 52 (1-2) 1-14.

Ajmi H, Mabrouk S, Hassayoun S, Regaieg H, Tfifha M, Jalel C, Skouri H, Zouari N, Abroug S. Success of anti-CD20 monoclonal antibody treatment for severe autoimmune hemolytic anemia caused by warm-reactive immunoglobulin A, immunoglobulin G, and immunoglobulin M autoantibodies in a child: A case report. *Journal of Medical Case Reports* 2017, 11 (1), art. no. 321.

Akbari A, Rockel CP, Kumbhare DA, Noseworthy MD. Safe MRI-Compatible electrical muscle stimulation (EMS) system. *Journal of Magnetic Resonance Imaging* 2016; 44 (6) 1530-1538.

Akhalaya M, Maksimov GV, Rubin AB, Lademann J, Darvin ME. Molecular action mechanisms of solar infrared radiation and heat on human skin. *Ageing Research Reviews* 2014; 16 (1) 1-11.

Akhloufi MA, Guyon Y, Bendada A, Castanedo CI. Three-dimensional non-destructive testing (NDT) in the Infrared spectrum. in: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense - Thermal Infrared Applications XXXVII*, APR 20-23 2015, CL Baltimore MD 2015; pp. 948519-948519.

Akhloufi MA, Verney B Multimodal Registration and Fusion for 3D Thermal Imaging. *Mathematical Problems in Engineering* 2015, AR 450101.

Akins CD, Ruder CD, Price SJ, Harden LA, Gibbons JW, Dorcas ME. Factors affecting temperature variation and habitat use in free-ranging diamondback terrapins. *Journal of Thermal Biology* 2014; 44 (1) 63-69.

Akl ZF, Ali TA. A novel modified screen-printed electrode with triazole surfactant assembled on silver nanoparticles for potentiometric determination of uranium. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 1865-1875.

Akram J, Puli R, Kalvala PR, Misra M. Microstructural Studies on Friction Surfaced Coatings of Ni-Based Alloys. *Praktische Metallographie-Practical Metallography* 2015; 52(10): 590-606.

Aksoy F, Dogan R, Ozturan O, Eren SB, Veyseller B, Gedik O. Thermal effects of cold light sources used in otologic surgery. *European Archives of Oto-Rhino-Laryngology* 2014; 272 (10): 2679-2687.

Al Kindi AH, Al Kimyani N, Alameddine T, Al Abri Q, Balan B, Al Sabti H. "Open" approach to aortic arch aneurysm repair. *Journal of the Saudi Heart Association* 2014; 26 (3): 152-161.

Al Shakarchi J, Hodson J, Field M, Inston N. Novel use of infrared thermal imaging to predict arteriovenous fistula patency and maturation. *Journal of Vascular Access* 2017, 18 (4): 313-318.

Al Shehhi MR, Gherboudj I, Ghedira H. In situ spectral response of the Arabian Gulf and Sea of Oman coastal waters to bio-optical properties. *Journal of Photochemistry and Photobiology B: Biology* 2017, 175: 235-243.

Al Zaabi A, Rahmani AY, Souid A. Optimal temperature for whole-body hypothermia in the newborn: An in vitro study using foreskin mitochondrial oxygen consumption. *Journal of Neonatal- Perinatal Medicine* 2014; 7 (3) 179-183.

Alam K, Hassan E, Bahadur I. Experimental measurements of temperatures in ultrasonically assisted drilling of cortical bone. *Biotechnology & Biotechnological Equipment* 2015; 29(4): 753-757

Alam K, Khan M, Muhammad R, Qamar SZ, Silberschmidt VV. in-vitro experimental analysis and numerical study of temperature in bone drilling. *Technology and Health Care* 2015; 23(6): 775-783

Alam K, Khan M, Silberschmidt VV. 3D finite-element modelling of drilling cortical bone: Temperature analysis. *Journal of Medical and Biological Engineering* 2014; 34 (6): 618-623.

Alam K, Silberschmidt VV. Analysis of temperature in conventional and ultrasonically-assisted drilling of cortical bone with infrared thermography. *Technology and Health Care* 2014; 22 (2): 243-252.

- Alam K. Experimental measurements of temperatures in drilling cortical bone using thermocouples. *Scientia Iranica* 2015; 22(2): 487-492
- Alam K. Exploring thermal anisotropy of cortical bone using temperature measurements in drilling. *Bio- Medical Materials and Engineering* 2016; 27 (1) 39-48
- Al-Armaghany A, Tong K, Leung TS. Development of a hybrid microwave-optical thermoregulation monitor for the muscle. *Advances in Experimental Medicine and Biology* 2014; 812, 347-353.
- Albahloul KE, Hollingsworth DK. Observations of bubble shape and confinement in diabatic two-phase flow in a minichannel. *International Journal of Heat and Mass Transfer* 2015; 83: 200-211
- Al-Batayneh OB, Seow WK, Walsh LJ. Assessment of Er: YAG laser for cavity preparation in primary and permanent teeth: a scanning electron microscopy and thermographic study. *Pediatric dentistry* 2014; 36 (3): 90-94.
- Albatici R, Tonelli AM, Chiogna M. A comprehensive experimental approach for the validation of quantitative Infrared thermography in the evaluation of building thermal transmittance. *Applied Energy* 2015; 141: 218-228
- Alberti N, Buy X, Frulio N, Montaudon M, Canella M, Gangi A, Crombe A, Palussière J. Rare complications after lung percutaneous radiofrequency ablation: Incidence risk factors prevention and management. *European Journal of Radiology* 2016; 85 (6) 1181-1191
- Aldeguer Y, Oropello J. What is the impact on neurologic recovery of the first monitored rhythm after nontraumatic cardiac arrest treated with hypothermia? *Critical Care Medicine* 2014; 42 (10): 2303-2304.
- Aldoukhi AH, Ghani KR, Hall TL, Roberts WW. Thermal Response to High-Power Holmium Laser Lithotripsy. *Journal of Endourology* 2017, 31 (12): 1308-1312.
- Aldred A, Nogueira Batista B, Brioschi ML, Jacobsen Teixeira M. Infrared thermography in the preoperative planning of anterolateral thigh perforator free flap (extended abstract). *Thermology international* 2014; 24(1) 14
- Alegre LM, Hasler M, Wenger S, Nachbauer W, Csapo R. Does knee joint cooling change in vivo patellar tendon mechanical properties? *European Journal of Applied Physiology* 2016; 116 (10) 1921-1929
- Alencar J, Freire M, Cardoso R, Ferreira J. Thermographic changes in workers with shoulder disorders (extended abstract). *Thermology international* 2015, 25(3) 143.
- Alexandre D, Prieto M, Beaumont F, Taiar R, Polidori G. Wearing lead aprons in surgical operating rooms: ergonomic injuries evidenced by infrared thermography. *Journal of Surgical Research* 2017, 209: 227-233.
- Alexis C, Franck B, Didier D, Emmanuel A, Hangseok C. Evaluation of gluing of CFRP onto concrete structures by Infrared thermography coupled with thermal impedance. *Composites Part B-Engineering* 2015; 69: 350-358
- Alfaro SCA, Vargas JAR, de Carvalho GC, de Souza GG. Characterization of "Humping" in the GTA welding process using Infrared images. *Journal of Materials Processing Technology* 2015; 223: 216-224
- Alfieri FM, Massaro AR, Filippo TR, Portes LA, Battistella LR. Evaluation of body temperature in individuals with stroke. *NeuroRehabilitation* 2017, 40 (1): 119-128.
- Alfonsi P, Adam F, Bouhassira D. Thermoregulation and pain perception: Evidence for a homeostatic (interoceptive) dimension of pain. *European Journal of Pain (United Kingdom)* 2016; 20 (1) 138-148
- Alfonsi P, Passard A, Guignard B, Chauvin M, Sessler DI. Nefopam and meperidine are infra-additive on the shivering threshold in humans. *Anesthesia and Analgesia* 2014; 119 (1): 58-63.
- Alghamdi IG, Hussain II, Almalki SS, Alghamdi MS, Alghamdi MM, El-Sheemy MA. The pattern of Middle east respiratory syndrome coronavirus in Saudi Arabia: A descriptive epidemiological analysis of data from the Saudi Ministry of Health. *International Journal of General Medicine* 2014; 7: 417-423.
- Al-Habaibeh A, Meyerowitz B, Athresh A. The design and development of an innovative simulator for an open loop system for extracting energy from flooded coal mines. *Energy Procedia* 2015, 75, 1470-1476
- Ali ME, Nair NN, Retegan M, Neese F, Staemmler V, Marx D. The iron-sulfur core in Rieske proteins is not symmetric. *Journal of Biological Inorganic Chemistry* 2014; 19 (8): 1287-1293.
- Ali MM, Taha MH, Killa HM, Abd El Wanees S, El-Maadawy MM. Synergistic extraction of uranium from acidic sulfate leach liquor using D2EHPA mixed with TOPO. *Journal of Radioanalytical and Nuclear Chemistry* 2014; 300 (3): 963-967.
- Alimohamadi H, Sadeghy K. On the Use of Magnetic Fields for Controlling the Temperature of Hot Spots on Porous Plaques in Stenosis Arteries. *Nihon Reorogi Gakkaishi* 2015; 43 (5): 135-144
- Alinezhad S, Väänänen R-M, Lehmusvuori A, Karhunen U, Soukka T, Kähkönen E, Taimen P, Alanen K, Pettersson K. Lanthanide chelate complementation and hydrolysis enhanced luminescent chelate in real-time reverse transcription polymerase chain reaction assays for KLK3 transcripts. *Analytical Biochemistry* 2014; 444 (1) 1-7.
- Aljuboori AHR, Uemura Y, Osman NB, Yusup S. Production of a bioflocculant from *Aspergillus niger* using palm oil mill effluent as carbon source. *Bioresource Technology* 2014; 171, 66-70.
- Allegaert K, Casteels K, van Gorp I, Bogaert G. Tympanic infrared skin and temporal artery scan thermometers compared with rectal measurement in children: A real-life assessment. *Current Therapeutic Research - Clinical*

and Experimental 2014; 76: 34-38.

Allen J, Di Maria C, Anderson K. Study of the thermovascular characteristics in patients with Willis-Ekbom disease (extended abstract). *Thermology international* 2015, 25(3) 119.

Allen J, Howell K. Microvascular imaging: Techniques and opportunities for clinical physiological measurements. *Physiological Measurement* 2014; 35 (7) R91-R141.

Al-Maliky MA, Mahmood AS, Al-Karadaghi TS, Kurzmann C, Laky M, Franz A, Moritz A. The effects of CO₂ laser with or without nanohydroxyapatite paste in the occlusion of dentinal tubules. *Scientific World Journal* 2014; 2014, Art. No. 798732.

Almeida AKA, Monteiro MP, Dias JMM, Omena L, Da Silva AJ.C, Tonholo J, Mortimer RJ, Navarro M, Jacinto C, Ribeiro AS, De Oliveira IN. Synthesis and spectroscopic characterization of a fluorescent pyrrole derivative containing electron acceptor and donor groups. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy* 2014; 128: 812-818.

Almeida N, Mueller A, Hirschi S, Rakesh L. Rheological studies of polysaccharides for skin scaffolds. *Journal of Biomedical Materials Research - Part A* 2014; 102 (5): 1510-1517.

Al-Nuaimi Y, Sherratt MJ, Griffiths CEM. Skin health in older age. *Maturitas* 2014; 79 (3) 256-264.

Alon L, Deniz CM, Carluccio G, Brown R, Sodickson DK, Collins CM. Effects of anatomical differences on electromagnetic fields SAR, and temperature change. *Concepts in Magnetic Resonance Part B: Magnetic Resonance Engineering* 2016; 46 (1) 8-18

Alqahtani MF, Marsillio LE, Rozenfeld RA. A review of biomarkers and physiometers in pediatric sepsis. *Clinical Pediatric Emergency Medicine* 2014; 15 (2): 177-184.

Alreshidi MM, Dunstan RH, Gottfried J, Macdonald MM, Crompton MJ, Ang C-S, Williamson NA, Roberts TK. Changes in the cytoplasmic composition of amino acids and proteins observed in *Staphylococcus aureus* during growth under variable growth conditions representative of the human wound site. *PLoS ONE* 2016; 11 (7), art no e0159662

Alsaad M, Schaefer AL, Buscher W, Steiner A. The Role of Infrared Thermography as a Non-invasive Tool for the Detection of Lameness in Cattle. *Sensors* 2015; 15(6): 14513-14525

Alsaad M, Syring C, Dietrich J, Doherr MG, Gujan T, Steiner A. A field trial of infrared thermography as a non-invasive diagnostic tool for early detection of digital dermatitis in dairy cows. *Veterinary Journal* 2014; 199 (2): 281-285.

Alsaad M, Syring C, L Doherr MG, Steiner A. Effect of routine claw trimming on claw temperature in dairy cows measured by Infrared thermography. *Journal of Dairy Science* 2015; 98(4): 2381-2388

Alshaarawy O, Elbaz HA. Cannabis use and blood pressure levels: United States National Health and Nutrition Examination Survey 2016; 2005-2012. *Journal of Hypertension* 2016; 34 (8) 1507-1512

Alshimemeri A. Therapeutic hypothermia after cardiac arrest. *Annals of Cardiac Anaesthesia* 2014; 17(4) 285-291.

Altrichter S, Salow J, Ardelean E, Church MK, Werner A, Maurer M. Development of a standardized pulse-controlled ergometry test for diagnosing and investigating cholinergic urticarial. *Journal of Dermatological Science* 2014; 75 (2): 88-93.

Aluwong T, Sumanu VO, Ayo JO, Ocheja BO, Zakari FO, Minka NS. Daily rhythms of cloacal temperature in broiler chickens of different age groups administered with zinc gluconate and probiotic during the hot-dry season. *Physiological Reports* 2017, 5 (12), art. no. e13314.

Álvarez EV, Rodríguez MF, Pérez EV, Bayón MA. Reliability in the measurement of body temperature with a tympanic thermometer in geriatric patients [Fiabilidad en la medición de la temperatura corporal con un termómetro timpánico en pacientes geriátricos]. *Gerokomos* 2017, 28 (2): 68-72.

Alves MBR, de Arruda RP, Batissaco L, Florez-Rodriguez SA, de Oliveira BMM, Torres MA, Ravagnani GM, Lanconi R, de Almeida TG, Storillo VM, Vellone VS, Franci CR, Thome HE, Canella CL, De Andrade AFC, Celeghini ECC. Low-level laser therapy to recovery testicular degeneration in rams: effects on seminal characteristics scrotal temperature plasma testosterone concentration and testes histopathology. *Lasers in Medical Science* 2016; 31 (4) 695-704

Alwan OS, Rao KP. Dedicated real-time monitoring system for health care using ZigBee. *Healthcare Technology Letters* 2017, 4 (4): 142-144.

Amado Nonato I, Brioschi ML, Jacobsen Teixeira M. Thermometry skin in the diagnosis of chronic chest pain - a case report (extended abstract). *Thermology international* 2014; 24(1) 18

Amano T, Kai S, Nakajima M, Ichinose-Kuwahara T, Gerrett N, Kondo N, Inoue Y. Sweating responses to isometric hand-grip exercise and forearm muscle metaboreflex in prepubertal children and elderly. *Experimental Physiology* 2017, 102(2) 214-227.

Ameme DK, Afari EA, Nyarko KM, Malm KL, Sackey S, Wurapa F. Direct observation of outpatient management of malaria in a rural Ghanaian district. *Pan African Medical Journal* 2014; 19, art. no. 367.

Amendt J, Rodner S, Schuch C-P, Sprenger H, Weidlich L, Reckel F. Helicopter thermal imaging for detecting

insect infested cadavers. *Science and Justice* 2017, 57 (5): 366-372.

Amharar Y, Curtin V, Gallagher KH, Healy AM. Solubility of crystalline organic compounds in high and low molecular weight amorphous matrices above and below the glass transition by zero enthalpy extrapolation. *International Journal of Pharmaceutics* 2014; 472 (1-2): 241-247.

Amini N, Habibi S, Dekan J, Pavúk M, Novák P, Miglierini M. Mössbauer spectrometry analysis of Fe₇₈Si₉B₁₃ metallic glass prepared with different quenching wheel speed. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 2099-2111.

Ammer K, Formenti D. Does the type of skin temperature distribution matter? (editorial) *Thermology international* 2016, 26(2) 51-54

Ammer K. 13th Congress of the European Association of Thermology in Madrid (editorial). *Thermology international* 2015, 25(3) 89-90

Ammer K. Can the source of metabolic heat be seen by infrared thermal imaging? (extended abstract). *Thermology international* 2017; 27 (2) 69-70

Ammer K. Do thermography papers meet the standard requirements of reporting in biomedical journals? (extended abstract). *Thermology international* 2015, 25(2) 68-69.

Ammer K. Do we need reference data of local skin temperatures? (editorial) *Thermology international* 2015, 25(2) 45-47

Ammer K. Does the type of skin temperature distribution matter? (extended abstract). *Thermology international* 2016, 26 (Supplement) S6

Ammer K. Does thermology belong to complementary medicine? *Thermology International* 2017, 27 (1): 5-8.

Ammer K. Human Skin Temperature Measurement Based on Radiometry– A historical review (extended abstract). *Thermology international* 2015, 25(3) 109.

Ammer K. Medical Thermology 2016-A computer assisted literature review. *Thermology international* 2017, 27(1) 11-37

Ammer K. One step closer to evidence based infrared thermal imaging. *Thermology International* 2017, 27 (4): 125-126.

Ammer K. Policy statements, evidence based medicine and infrared thermal imaging (editorial). *Thermology international* 2015, 25(1) 5-6

Ammer K. Publication output of EAT board members between October 2015 and November 2016. *Thermology International* 2016; 26 (4) 117-122

Ammer K. Response to Aderito Seixas. *Thermology International* 2017, 27 (4): 140-141.

Ammer K. Response to Aleksandr Urakov. *Thermology International* 2017, 27 (2): 79-80.

Ammer K. Temperature measurements and thermography of the palmar surface of the human hand - An overview. *Thermology International* 2016; 26 (4) 107-116

Ammer K. The challenge of objective evaluation of infrared thermal images in health sciences. *Thermology International* 2017, 27 (3): 93-97.

Ammer K. The influence of colour scale on the accuracy of infrared thermal images. *Thermology international* 2014; 24(4) 141-146

Ammer K. The value of thermography in back pain patients (extended abstract). *Thermology international* 2014; 24(2) 55-56.

Ammer K. Thermography 2015 - A computer-assisted literature survey. *Thermology International* 2016; 26 (1) 5-42

Ammer K. Thermology 2013 - a computer- assisted literature survey. *Thermology international* 2014; 24(3) 93-130

Ammer K. Thermology 2014- a computer- assisted literature survey. *Thermology international* 2015, 25(4) 153-208

Amoury M, Bauerschlag D, Zeppernick F, Felbert V, Berges N, Fiore SD, Mintert I, Bleilevens A, Maass N, Bräutigam K, Meinhold-Heerlein I, Stickeler E, Barth S, Fischer R, Hussain AF. Photoimmunotheranostic agents for triple-negative breast cancer diagnosis and therapy that can be activated on demand.

Amri A, Pulko SH, Wilkinson AJ. Potentialities of steady-state and transient thermography in breast tumour depth detection: A numerical study. *Computer Methods and Programs in Biomedicine* 2016; 123 68-80

Amukele T.K, Hernandez J, Snozek CL, Wyatt R.G, Douglas M, Amini R, Street J. Drone Transport of Chemistry and Hematology Samples over Long Distances. *American Journal of Clinical Pathology* 2017, 148(5) 427-435

An YK, Yang J, Hwang S, Sohn H. Line laser lock-in thermography for instantaneous imaging of cracks in semiconductor chips. *Optics and Lasers in Engineering* 2015; 73: 128-136

Anandalakshmi V, Murugan E, Leng EGT, Ting LW, Chaurasia SS, Yamazaki T, Nagashima T, George BL, Peh GSL, Pervushin K, Lakshminarayanan R, Mehta JS Effect of position-specific single-point mutations and biophysical characterization of amyloidogenic peptide fragments identified from lattice corneal dystrophy patients. *Biochemical Journal* 2017, 474(10) 1705-1725).

- Anastasova S, Crewther B, Bembnowicz P, Curto V, Ip H.M, Rosa B, Yang G-Z A wearable multi sensing patch for continuous sweat monitoring. *Biosensors and Bioelectronics* 2017, 93: 139-145.
- Anaya J, Rossi S, Alomari M, Kohn E, Toth L, Pecz B, Kuball M. Thermal conductivity of ultrathin nano- crystalline diamond films determined by Raman thermography assisted by silicon nanowires. *Applied Physics Letters* 2015; 106(2) 223101
- Anbergen H, Ruhaak W, Frank J, Sass I. Numerical simulation of a freeze-thaw testing procedure for borehole heat exchanger grouts. *Canadian Geotechnical Journal* 2015; 52(8): 1087-1100
- and perceptual responses during acute exercise in the heat. *Applied Ergonomics* 2014; 45 (6): 1447-1453.
- Andelkovic AS, Gvozdenac-Urosevic B, Kliajic M, Ignjatovic MG. Experimental research of the thermal characteristics of a multi-storey naturally ventilated double skin facade. *Energy and Buildings* 2015; 86: 766-781
- Anderson KR, Oleson JJ, Anthony TR. Variability in coefficient of restitution in human facial skin. *Skin Research and Technology* 2014; 20 (3): 355-362.
- Andreasen AM, Linnet KE, Asghar S, Rothe C, Rosenstock CV, Lange KHW, Lundstrøm LH. "Eyeball test" of thermographic patterns for predicting a successful lateral infraclavicular block [L'évaluation 'à coup d'œil' des motifs thermographiques pour prédire la réussite d'un bloc infraclaviculaire latéral]. *Canadian Journal of Anesthesia* 2017, 64 (11): 1111-1118.
- Andruszkow H, Hildebrand F. Accidental hypothermia [Akzidentelle Hypothermie/schwere Unterkühlung 1]. *Notarzt* 2014; 30 (1): 7-15.
- Anfuso L. To the Editor— Esophageal thermal probes and esophageal lesions during cryoablation. *Heart Rhythm* 2017, 14 (10), p. e273.
- Ang C-Y, Yew AK-S, Tay DK-J, Chia S-L, Yeo S-J, Lo N-N, Chin P-L. Reducing allograft contamination and disease transmission: Intraosseous temperatures of femoral head allografts during autoclaving.
- Ang QY, Goh HJ, Cao Y, Li Y, Chan S-P, Swain JL, Henry CJ, Leow MK- S. A new method of infrared thermography for quantification of brown adipose tissue activation in healthy adults (TACTICAL): a randomized trial. *The Journal of Physiological Sciences: JPS* 2017, 67(3) 395-406.
- Angelino K, Edlund DA, Shah P Near-Infrared Imaging for Detecting Caries and Structural Deformities in Teeth. *IEEE Journal of Translational Engineering in Health and Medicine* 2017, 5 Article Number: 7904594.
- Annals of Occupational Hygiene* 2014; 59 (7): 922-931.
- Annborn M, Bro-Jeppesen J, Nielsen N, Ullén S, Kjaergaard J, Hassager C, Wanscher M, Hovdenes J, Pellis T, Pelosi P, Wise MP, Cronberg T, Erlinge D, Friberg H. The association of targeted temperature management at 33 and 36°C with outcome in patients with moderate shock on admission after out-of- hospital cardiac arrest: A post hoc analysis of the Target Temperature Management trial. *Intensive Care Medicine* 2014; 40 (9): 1210-1219.
- Anonymous. Antipyretic activity. *Progress in Drug Research* 2016; 71 113-115
- Anonymous. Top 5 fixes for itchy winter skin. A humidifier moisturizer and lukewarm water can help. *Harvard health letter / from Harvard Medical School* 2014; 39 (4), p. 4.
- Anonymous: Keeping the chain going. *Pharmaceutical Outsourcing* 2017, 18, art. no. 19.
- Anonymous: This Month in Aerospace Medicine History. *Aerospace Medicine and Human Performance* 2017, 88 (7), p. 705.
- Anosov AA, Balashov IS, Beliaev RV, Vilkov VA, Garskov RV, Kazanskiĭ, AS, Mansfel'd AD, Shcherbakov MI. [Acoustic thermometry of the patient brain with traumatic brain injury] *Biofizika* 2014; 59 (3): 545-551.
- Anosov AA, Belyaev RV, Vilkov VA, Zakaryan AV, Kazanskij AS, Mansfel'd AD, Subochev PV. Reconstruction of the deep temperature by the acoustothermometric method and with consideration for the heat conduction equation. *Journal of Communications Technology and Electronics* 2015; 60 (8): 919-927
- Anosov AA, Nemchenko OY, Less YA, Kazanskij AS, Mansfel'd AD. Possibilities of acoustic thermometry for controlling targeted drug delivery. *Acoustical Physics* 2015; 61(4): 488-493
- Antabak A, Šiško J, Romić, I, Papeš, D, Pasini M, Halužan D, Bogović, M, Medančić, SS, Čavar S, Luetić, T, Fuchs N, Andabak M, Prlić, I, Čurković, S. Frontal axillary and tympanic temperature measurements in children [Timpanična frontalna i aksilarna temperatura u djece]. *Lijecnicki Vjesnik* 2016; 138 (1-2) 30-33
- Antikainen T, Rohumaa A, Bulota M, Kotilahti T, Hughes M. Estimating birch veneer (*Betula pendula* Roth) moisture content using Infrared technology. *European Journal of Wood and Wood Products* 2015; 73 (5): 617-625
- Antonio-Rubio I, Madrid-Navarro CI, Salazar-Lopez E, Perez-Navarro MJ, Saez-Zea C, Gomez-Milan E, Minguez-Castellanos A, Escamilla-Sevilla F. Abnormal thermography in Parkinson's disease.
- Antosik-W ojczinska A.Z, Bzinkowska D, Swiecicki L, Bienkowski P. Post-ECT hyperthermia and rapid mood improvements: A case report. *Journal of Neuropsychiatry and Clinical Neurosciences* 2014; 26 (2): E21.
- Aoki K, Ogawa Y, Iwasaki K.-I. Blunted cutaneous vasoconstriction and increased frequency of presyncope during an orthostatic challenge under moderate heat stress in the morning. *European Journal of Applied Physiology* 2014;

114 (3): 629-638.

Aoyagi M, Hiraguri T, Ueno T. Applying Dynamic Thermography for Observation of Water Level in Column-Shaped Opaque Beverage Containers. *Packaging Technology and Science* 2015; 28(3): 205-215

Aoyagi M, Hiraguri T, Ueno T. Observation of powder and particles in a container by pulsed thermography. *Insight* 2015; 57(5): 269-275

Apanasevich P, Lucas D, Beyer M, Szalinski L. CFD based approach for modelling direct contact condensation heat transfer in two-phase turbulent stratified flows. *International Journal of Thermal Sciences* 2015; 95: 123-135

Arai N, Inaba M, Ichijyo T, Kagami H, Mine Y. Thyrotropin-producing pituitary adenoma simultaneously existing with Graves' disease: A case report. *Journal of Medical Case Reports* 2017, 11 (1), art. no. 9.

Arai S, Takeoka S, Ishiwata S, Sato H, Suzuki M. Micro-thermography in millimeter-scale animals by using orally-dosed fluorescent nanoparticle thermosensors. *Analyst* 2015; 140(2): 7534-7539

Arango M, Combariza JF. Fever after peripheral blood stem cell infusion in haploidentical transplantation with post-transplant cyclophosphamide. *Hematology/ Oncology and Stem Cell Therapy* 2017, 10 (2): 79-84.

Araújo MC, Souza RMCR, Lima RCF, Filho TMS. An interval prototype classifier based on a parameterized distance applied to breast thermographic images. *Medical and Biological Engineering and Computing* 2017, 55(6) 873-884.

Arav A, Natan Y, Levi-Setti PE, Menduni F, Patrizio P. New methods for cooling and storing oocytes and embryos in a clean environment of -196°C . *Reproductive BioMedicine Online* 2016; 33 (1) 71-78

Arda MS, Koçman AE, Söztutar E, Baksan B, Çetin C. A new apparatus for standardization of experimental burn models. *Burns* 2017, 43 (6): 1322-1329.

Arias-Gil G, Ohl FW, Takagaki K, Lippert MT. Measurement modeling and prediction of temperature rise due to optogenetic brain stimulation. *Neurophotonics* 2016; 3 (4), art no 045007

Arien-Zakay H, Gincberg G, Nagler A, Cohen G, Liraz-Zaltsman S, Trembovler V, Alexandrovich AG, Matok I, Galski H, Elchalal U, Lelkes PI, Lazarovici P, Shohami E. Neurotherapeutic effect of cord blood derived CD45+ hematopoietic cells in mice after traumatic brain injury. *Journal of Neurotrauma* 2014; 31 (16) 1405-1416.

Arimah BD, Ogunlowo OP, Adebayo MA, Jesumirhewe C. Identification of lactic acid bacteria isolated from selected Nigerian foods and comparison of their bacteriocins activities. *International Journal of Pharmaceutical and Clinical Research* 2014; 6 (1) 20-26.

Arimoto H, Yanai M, Egawa M. Analysis of absorption and spreading of moisturizer on the microscopic region of the skin surface with near-infrared imaging. *Skin Research and Technology* 2016; 22 (4) 505-512

Arinaga T, Komaki T, Miura S-I, Futami M, Morii J, Sugihara M, Saku K. A rare case of eosinophilic granulomatosis with polyangiitis complicated with progressive pericardial effusion. *Journal of Cardiology Cases* 2017, 15 (5): 163-166.

Armato SG, III, Blyth KG, Keating JJ, Katz S, Tsim S, Coolen J, Gudmundsson E, Opitz I, Nowak AK. Imaging in pleural mesothelioma: A review of the 13th International Conference of the International Mesothelioma Interest Group. *Lung Cancer* 2016; 101 48-58

Arora V, Siddiqui JA, Mulaveesala R, Muniyappa A. Pulse Compression Approach to Nonstationary Infrared Thermal Wave Imaging for Nondestructive Testing of Carbon Fiber Reinforced Polymers. *IEEE Sensors Journal* 2015; 15(2): 663-664

Arranja A, Schroder AP, Schmutz M, W aton G, Schosseler F, Mendes E. Cytotoxicity and internalization of Pluronic micelles stabilized by core cross-linking. *Journal of Controlled Release* 2014; 196, 87-95.

Arrazola PJ, Aristimuno P, Soler D, Childs T. Metal cutting experiments and modelling for improved determination of chip/tool contact temperature by Infrared thermography. *CIRP Annals-Manufacturing Technology* 2015; 64(1): 57-60

Artouzoul J, Lescahier C, Dudzinski D. Experimental and analytical combined thermal approach for local tribological understanding in metal cutting. *Applied Thermal Engineering* 2015; 89: 394-404

Arvidsson L, Lindgren S, Martinell L, Lundin S, Rylander C. Target temperature 34 vs. 36°C after out-of-hospital cardiac arrest – a retrospective observational study. *Acta Anaesthesiologica Scandinavica* 2017, 61 (9): 1176-1183.

Asadian S, Khatony A, Moradi G, Abdi A, Rezaei M. Accuracy and precision of four common peripheral temperature measurement methods in intensive care patients. *Medical Devices: Evidence and Research* 2016; 9 301-308

Ascione F, Bianco N, De Masi RF, De' Rossi F, Vanoli GP. Energy retrofit of an educational building in the ancient center of Benevento. Feasibility study of energy savings and respect of the historical value. *Energy and Buildings* 2015; 95: 172-183

Asfaram A, Ghaedi M, Ghezelbash GR, Pepe F. Application of experimental design and derivative spectrophotometry methods in optimization and analysis of biosorption of binary mixtures of basic dyes from

aqueous solutions. *Ecotoxicology and Environmental Safety* 2017, 139: 219-227.

Asghar S, Bjerregaard LS, Lundstrøm LH, Lund J, Jenstrup MT, Lange KHW. Distal infrared thermography and skin temperature after ultrasound-guided interscalene brachial plexus block: A prospective observational study. *European Journal of Anaesthesiology* 2014; 31 (11): 626-634.

Asghar S, Lundstrøm LH, Bjerregaard LS, Lange KHW. Ultrasound-guided lateral infraclavicular block evaluated by infrared thermography and distal skin temperature *Acta Anaesthesiologica Scandinavica* 2014; 58 (7): 867-874.

Ashok A, Brison M, LeTallec Y. Improving cold chain systems: Challenges and solutions. *Vaccine* 2017, 35 (17): 2217-2223.

Asiimwe SB, Okello S, Moore C.C. Frequency of vital signs monitoring and its association with mortality among adults with severe sepsis admitted to a general medical ward in Uganda. *PLoS ONE* 2014; 9 (2), art. no. e89879.

Astarita T, Cardone G, de Luca L, Carlomagno GM. Some Experimental investigations on Gas Turbine Cooling Performed with Infrared Thermography at Federico II. *International Journal of Rotating Machinery* 2015, 890414

Atallah L, Bongers E, Lamichhane B, Bambang-Oetomo S. Unobtrusive monitoring of neonatal brain temperature using a zero-heat-flux sensor matrix. *IEEE Journal of Biomedical and Health Informatics* 2016; 20 (1), art no 6994739

Atallah S, Mabardy A, Volpato AP, Chin T, Sneider J, Monson JRT. Surgery beyond the visible light spectrum: theoretical and applied methods for localization of the male urethra during transanal total mesorectal excision. *Techniques in Coloproctology* 2017, 21 (6): 413-424.

Atsina K-B, Sharan AD, Wu C, Evans JJ, Sperling MR, Skidmore CT, Gorniak RJ. Longitudinal qualitative characterization of mri features after laser interstitial thermal therapy in drug-resistant epilepsy. *American Journal of Roentgenology* 2017, 208 (1): 48-55.

Aubakir B, Nurimbetov B, Tursynbek I, Varol HA. Vital sign monitoring utilizing Eulerian video magnification and thermography. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS* 2016; 2016-October art no 7591489 3527-3530

Auboiroux V, Petrusca L, Viallon M, Muller A, Terraz S, Breguet R, Montet X, Becker CD, Salomir R. Respiratory-gated MRgHIFU in uer abdomen using an MR-compatible in-bore digital camera. *BioMed Research International* 2014; 2014, Art. No. 421726.

Auer V, Hildebrandt C, Müller L, Raschner C. Quantification of skin blood flow with medical infrared thermography following the application of a novel regenerative device. *Thermology International* 2017, 27 (2): 51-57.

Aughey RJ, Goodman CA, McKenna MJ. Greater chance of high core temperatures with modified pacing strategy during team sport in the heat. *Journal of Science and Medicine in Sport* 2014; 17 (1): 113-118.

Augustynek M, Korpas D, Penhaker M, Cvek J, Binarova A. Monitoring of CRT-D devices during radiation therapy in vitro. *BioMedical Engineering Online* 2016; 15 (1), art no 29

Austin DM, Sadler L, McLintock C, McArthur C, Masson V, Farquhar C, Rhodes S. Early detection of severe maternal morbidity: A retrospective assessment of the role of an Early Warning Score System. *Australian and New Zealand Journal of Obstetrics and Gynaecology* 2014; 54 (2): 152- 155.

Avachat AM, Oswal YM, Gujar KN, Shah RD. Preparation and characterization of rivastigmine loaded human serum albumin (Hsa) nanoparticles. *Current Drug Delivery* 2014; 11 (3) 359-370.

Avallone F, Greco CS, Schrijer FFJ, Cardone G. A low-computational-cost inverse heat transfer technique for convective heat transfer measurements in hypersonic flows. *Experiments in Fluids* 2015, 56(4) 86.

Avetisov SE, Novikov IA, Lutsevich EE, Reyn ES. Use of infrared thermography in ophthalmology. *Vestnik Oftalmologii* 2017, 133 (6): 99-104.

Avilés-Martínez KI, González-Cortés LF, Aguirre-Jáuregui O. Thermic difference between iliac fossae: Diagnosis and prediction of acute appendicitis [Diferencia térmica entre fosas iliacas: Diagnóstico y predicción de apendicitis aguda]. *Revista Mexicana de Pediatría* 2017, 84 (1): 5-9.

Awal S, Madabushi R, Agarwal A, Singla V. CRPS: Early lumbar sympathetic block is better compared to other interventions". *Pain Physician* 2016; 19 (2), p E363

Aydemir O, Soysaldi E, Kale Y, Kavurt S, Bas A.Y, Demirel N. Body temperature changes of newborns under fluorescent versus LED phototherapy. *Indian Journal of Pediatrics* 2014; 81 (8): 751-754.

Azharuddin M, Bera SK, Datta H, Dasgupta AK. Thermal fluctuation based study of aqueous deficient dry eyes by non-invasive thermal imaging. *Experimental Eye Research* 2014; 120, 97- 102.

Aziz N, Detels R, Quint JJ, Li Q, Gjertson D, Butch AW. Stability of cytokines chemokines and soluble activation markers in unprocessed blood stored under different conditions. *Cytokine* 2016; 84 17-24

Baart VM, Boonstra MC, Sier CFM. uPAR directed-imaging of head-and-neck cancer. *Oncotarget* 2017, 8 (13): 20519-20520.

Babin V, Shemer L, Barnea D. Local instantaneous heat transfer around a rising single Taylor bubble. *International Journal of Heat and Mass Transfer* 2015; 89: 884-893

Babourina-Brooks B, Wilson M, Arvanitis TN, Peet AC, Davies NP. MRS water resonance frequency in childhood brain tumours: A novel potential biomarker of temperature and tumour environment. *NMR in Biomedicine* 2014; 27 (10) 1222-1229.

Bach AJE, Stewart IB, Minett GM, Costello JT. Does the technique employed for skin temperature assessment alter outcomes? A systematic review. *Physiological Measurement* 2015; 36(9): R27-R51

Backe D, Balle F, Eifler D. Fatigue testing of CFRP in the Very High Cycle Fatigue (VHCF) regime at ultrasonic frequencies. *Composites Science and Technology* 2015; 106: 93-99

Baczkowski L, Jacquet JC, Jardel O, Gaquiere C, Moreau M, Carisetti D, Brunel L, Vouzelaud F, Mancuso Y. Thermal Characterization Using Optical Methods of AlGaIn/GaN HEMTs on SiC, Substrate in RF Operating Conditions. *IEEE Transactions On Electron Devices* 2015; 62(12): 3992-3998

Badea M-S, Vertan C, Florea C, Florea L, Bădoiu S. Severe burns assessment by joint color-thermal imagery and ensemble methods. 2016 IEEE 18th International Conference on e-Health Networking Applications and Services Healthcom 2016, art no 7749450

Bader MK, Laux C, Guanci MM, Figueroa SA, Francis KE, Livesay SL, Mathiesen C. Clinical Q and A: Translating Therapeutic Temperature Management from Theory to Practice. *Therapeutic Hypothermia and Temperature Management* 2016; 6 (1) 52-56

Bae S.-H, Kim G.-D, Kim K.-Y. Analgesic effect of transcranial direct current stimulation on central post- stroke pain. *Tohoku Journal of Experimental Medicine* 2014; 234 (3): 189-195.

Baffou G, Rigneault H, Marguet D, Jullien L. A critique of methods for temperature imaging in single cells. *Nature Methods* 2014; 11 (9): 899-901.

Bagavathiappan S, Lahiri BB, Suresh S, Philip J, Jayakumar T. Online monitoring of cutting tool temperature during micro-end milling using Infrared thermography. *Insight* 2015; 57(1): 9-17

Bagheri S, Zgrabik CM, Gissibl T, Tittl A, Sterl F, Walter R, De Zuani S, Berrier A, Stauden T, Richter G, Hu EL, Giessen H. Large-area fabrication of TiN nanoantenna arrays for refractory plasmonics in the mid- Infrared by femtosecond direct laser writing and Interference lithography. *Optical Materials Express* 2015; 5(11): 2625-2633

Bagheri ZS, Avval PT, Bougherara H, Aziz MSR, Schemitsch EH, Zdero R. Biomechanical analysis of a new carbon fiber/flax/epoxy bone fracture plate shows less stress shielding compared to a standard clinical metal plate *Journal of Biomechanical Engineering* 2014; 136 (9), art. no. 091002.

Bagheri ZS, El Sawi I, Bougherara H, Zdero R. Biomechanical fatigue analysis of an advanced new carbon fiber/flax/epoxy plate for bone fracture repair using conventional fatigue tests and thermography. *Journal of the Mechanical Behavior of Biomedical Materials* 2014; 35, 27-38.

Bai D-Y, Wang X, Zhao J-Y, Li L, Gao J, Wang N-L. Comparison of color fundus photography infrared fundus photography and optical coherence tomography in detecting retinal hamartoma in patients with tuberous sclerosis complex. *Chinese Medical Journal* 2016; 129 (10) 1229-1235

Bai L, Cirendunzhu Woodward A, Dawa Zhaxisangmu Chen B, Liu Q. Temperature hospital admissions and emergency room visits in Lhasa Tibet: A time-series analysis. *Science of the Total Environment* 2014; 490: 838-848.

Bai R, Di Biase L, Mohanty P, Trivedi C, Dello Russo A, Themistoclakis S, Casella M, Santarelli P, Fassini G, Santangeli P, Mohanty S, Rossillo A, Pelargonio G, Horton R, Sanchez J, Gallinhouse J, Burkhardt JD, Ma C-S, Tondo C, Natale A. Proven isolation of the pulmonary vein antrum with or without left atrial posterior wall isolation in patients with persistent atrial fibrillation. *Heart Rhythm* 2016; 13 (1) 132-140

Baic A, Kasprzyk T, Rzany M, Stanek A, Sieroń K, Suszyński K, Marcol W, Cholewka A Can we use thermal imaging to evaluate the effects of carpal tunnel syndrome surgical decompression? *Medicine (United States)* 2017, 96(39) Article Number: e7982.

Baier S, Rochet A, Hofmann G, Kraut M, Grunwaldt JD. Lithographically fabricated silicon microreactor for in situ characterization of heterogeneous catalysts enabling correlative characterization techniques.

Bailey PBS, Lafferty AD. Specimen gripping effects in composites fatigue testing -Concerns from initial investigation. *Express Polymer Letters* 2015; 9(5): 480-488

Baillet M, Le Bris S, Hue O. Fluid replacement strategy during a 27-Km trail run in hot and humid conditions. *International Journal of Sports Medicine* 2014; 35 (2) 147-152.

Bain AR, Morrison SA, Ainslie PN. Cerebral oxygenation and hyperthermia. *Frontiers in Physiology* 2014; Art. No. Article 92.

Bainbridge S, Berkelmans R. The use of climatologies and Bayesian models to link observations to outcomes; An example from the Torres Strait. *Environmental Sciences: Processes and Impacts* 2014; 16 (5): 1041-1049.

Bajwa SJS, Swati Perioperative hypothermia in pediatric patients: Diagnosis prevention and management. *Anaesthesia Pain and Intensive Care* 2014; 18 (1): 97-100.

Bak J, Kang HW. Temperature-monitored optical treatment for radial tissue expansion. *Lasers in Medical Science* 2017, 32 (5): 993-999.

- Bakker A, Kolff MW, Holman R, van Leeuwen CM, Korshuize-van Straten L, de Kroon-Oldenhof R, Rasch CRN, van Tienhoven G, Crezee H. Thermal Skin Damage During Reirradiation and Hyperthermia Is Time-Temperature Dependent. *International Journal of Radiation Oncology Biology Physics* 2017, 98 (2): 392-399.
- Baklouti M, Cristol AL, Desplanques Y, Elleuch R. Impact of the glass fibers addition on tribological behavior and braking performances of organic matrix composites for brake lining. *Wear* 2015; 330: 507- 514
- Balageas DL, Roche JM, Leroy FH, Liu WM, Gorbach AM. The thermographic signal reconstruction method: A powerful tool for the enhancement of transient thermographic images. *Biocybernetics and Biomedical Engineering* 2015; 35(1): 1-9
- Balandraud X, Barrera N, Biscari P, Grediac M, Zanzotto G. Strain Intermittency in shape-memory alloys. *Physical Review B* 2015; 91(17), 174111.
- Balasubramaniam SC, Pellegrini M, Staurengi G, Pulido JS. Infrared imaging of circumscribed choroidal hemangiomas. *Retina* 2017, 37 (6): 1134-1139.
- Balasubramaniam SC, Pellegrini M, Staurengi G, Pulido JS. INFRARED IMAGING OF CIRCUMSCRIBED CHOROIDAL HEMANGIOMAS. *Retina Article in Press*
- Balasubramaniam R, Cohen DA, Klerman EB, Pignatelli D, Hall JE, Dwyer AA, Czeisler CA, Pitteloud N, Crowley JR, WF. Absence of central circadian pacemaker abnormalities in humans with loss of function mutation in prokineticin 2. *Journal of Clinical Endocrinology and Metabolism* 2014; 99 (3): E561-E566.
- Balbin MM, Belotindos LP, Abes NS, Mingala CN. Caprine arthritis encephalitis virus detection in blood by loop-mediated isothermal amplification (LAMP) assay targeting the proviral gag region *Diagnostic Microbiology and Infectious Disease* 2014; 79 (1): 37-42.
- Balconi M, Pezard L, Nandrino J-L, Vanutelli ME Two is better than one: The effects of strategic cooperation on intra- and inter-brain connectivity by fNIRS. *PLoS ONE* 2017, 12(11) Article Number: e0187652.
- Baldinelli G, Bonafoni S, Anniballe R, Presciutti A, Gioli B, Magliulo V. Spaceborne detection of roof and impervious surface albedo: Potentialities and comparison with airborne thermography measurements. *Solar Energy* 2015; 113: 281-294
- Baldini A, Nota A, Cioffi C, Ballanti F, Cozza P. Infrared Thermographic Analysis of Craniofacial Muscles in Military Pilots Affected by Bruxism. *Aerospace Medicine and Human Performance* 2015; 86(4): 374-378
- Baldwin AL, Hammerschlag R. Biofield-based therapies: A systematic review of physiological effects on practitioners during healing. *Explore: The Journal of Science and Healing* 2014; 10 (3) 150-161.
- Balestrino A, Verissimo C, Tantbirojn D, García-Godoy F, Soares CJ, Versluis A. Heat generated during light-curing of restorative composites: Effect of curing light exotherm and experiment substrate. *American Journal of Dentistry* 2016; 29 (4) 234-240
- Balistreri LS, Mebane CA. Predicting the toxicity of metal mixtures. *Science of the Total Environment* 2014; 466-467, 788-799.
- Ballard-Croft C, Wang D, Rosenstein K, Wang J, Pollock R, Morris JA, Zwischenberger JB. Venovenous perfusion-induced systemic hyperthermia: Five-day sheep survival studies. *Journal of Thoracic and Cardiovascular Surgery* 2014; 148 (5) 2360-2366.
- Ban J, Huang L, Chen C, Guo Y, He MZ, Li T Integrating new indicators of predictors that shape the public's perception of local extreme temperature in China. *Science of the Total Environment* 2017, 579: 529-536.
- Ban MJ, Nam Y, Park JH. Detection of peritonsillar abscess using smartphone-based thermal imaging. *Pakistan Journal of Medical Sciences* 2017, 33 (2): 502-504.
- Bandara T, Nguyen NT, Rosengarten G. Slug flow heat transfer without phase change in microchannels: A review. *Chemical Engineering Science* 2015; 126: 283-295
- Bandeira F, Neves EB, de Moura MAM, Nohama P. The thermography in support for diagnosis of muscle injury in sport [A termografia no apoio ao diagnóstico de lesão muscular no esporte]. *Revista Brasileira de Medicina do Esporte* 2014; 20 (1): 59-64.
- Bandla A, Sundar R, Liao L-D, Tan SSH, Lee S-C, Thakor NV, Wilder-Smith EPV. Hypothermia for preventing chemotherapy-induced neuropathy - A pilot study on safety and tolerability in healthy controls. *Acta Oncologica* 2016; 55 (4) 430-436
- Banerjee C, Snelling B, Berger MH, Shah A, Ivan ME, Komotar RI. The role of magnetic resonance-guided laser ablation in neurooncology. *British Journal of Neurosurgery* 2015; 29(2): 192-196
- Banerjee D, Chattopadhyay SK, Chatterjee K, Tuli S, Jain N, Goyal I, Mukhopadhyay S. Non-destructive testing of jute-polypropylene composite using frequency-modulated thermal wave imaging. *Journal of Thermoplastic Composite Materials* 2015; 28(4): 548-557
- Banerjee S. Methylglyoxal administration induces modification of hemoglobin in experimental rats: An in vivo study. *Journal of Photochemistry and Photobiology B: Biology* 2017, 167: 82-88.
- Bang JW, Heo H, Choi J.-S, Park KR. Assessment of eye fatigue caused by 3D displays based on multimodal measurements. *Sensors (Basel Switzerland)* 2014; 14 (9): 16467-16485.

- Banos O, Villalonga C, Damas M, Gloesekoetter P, Pomares H, Rojas I. PhysioDroid: Combining Wearable Health Sensors and Mobile Devices for a Ubiquitous Continuous and Personal Monitoring. *Scientific World Journal* 2014; 2014, art. no. 490824.
- Bansal SC, Nimbalkar SM, Shah NA, Shrivastav RS, Phatak AG. Evaluation of knowledge and skills of home based newborn care among Accredited Social Health Activists (ASHA). *Indian Pediatrics* 2016; 53 (8) 689-691
- Barabino G, Klein JP, Porcheron J, Grichine A, Coll J-L, Cottier M. Reply to: Comments on 'Intraoperative near-infrared fluorescence imaging using indocyanine green in colorectal carcinomatosis surgery: Proof of concept'. *European Journal of Surgical Oncology* 2017, 43 (1): 242-243.
- Barabino G, Klein JP, Porcheron J, Grichine A, Coll J-L, Cottier M. Intraoperative Near-Infrared Fluorescence Imaging using indocyanine green in colorectal carcinomatosis surgery: Proof of concept. *European Journal of Surgical Oncology* 2016; 42 (12) 1931-1937
- Baraliya JD, Joshj HH. Spectroscopic and thermographic study of Ni-Zn ferrites. *Journal of Thermal Analysis and Calorimetry* 2015; 119(1): 85-90
- Baranowski P, Jedryczka M, Mazurek W, Babula-Skowronska D, Siedliska A, Kaczmarek J. Hyperspectral and Thermal Imaging of Oilseed Rape (*Brassica napus*) Response to Fungal Species of the Genus *Alternaria*. *PLOS ONE* 2015; 10 (3) e0122913.
- Barati D, Kader S, Pajoum Shariati SR, Moeinzadeh S, Sawyer RH, Jabbari E Synthesis and Characterization of Photo-Cross-Linkable Keratin Hydrogels for Stem Cell Encapsulation. *Biomacromolecules* 2017, 18(2) 398-412.
- Barbosa Pereira C, Yu X, Czaplík M, Blazek V, Venema B, Leonhardt S. Estimation of breathing rate in thermal imaging videos: a pilot study on healthy human subjects. *Journal of Clinical Monitoring and Computing* 1-14 Article in Press
- Barcat L, Decima P, Bodin E, Delanaud S, Stephan-Blanchard E, Leke A, Libert J-P, Tourneux P, Bach V. Distal skin vasodilation promotes rapid sleep onset in preterm neonates. *Journal of Sleep Research* 2017, 26(5) 572-577.
- Bardou M, Seng P, Meddeb L, Gaudart J, Honnorat E, Stein A. Modern approach to infectious disease management using infrared thermal camera scanning for fever in healthcare settings. *Journal of Infection* 2017, 74 (1): 95-97.
- Barin JS, Tischer B, Oliveira AS, Wagner R, Ben Costa A, Flores EMM. Infrared Thermal Imaging: A Tool for Simple Simultaneous and High-Throughput Enthalpimetric Analysis. *Analytical Chemistry* 2015; 87(2)4: 12065-12070
- Barizza A, Bison P, Boldrini S, Bortolin A, Cadelano G, Colla L, Ferrarini G. Comparison of the insulation property of an innovative material and a traditional one by Infrared thermography. in: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23 2015, CL Baltimore MD, 2015; pp. 948515-948515-15
- Barney CC, Hoch J, Byiers B, Dimian A, Symons FJ. A Case-controlled investigation of Pain Experience and Sensory Function in Neuronal Ceroid Lipofuscinosis. *Clinical Journal of Pain* 2015; 31(11): 998-1003
- Barolet D. Pulsed versus continuous wave low-level light therapy on osteoarticular signs and symptoms in limited scleroderma (CREST syndrome): A case report. *Journal of Biomedical Optics* 2014; 19 (11), art. no. 118001.
- Baron P, Deckers R, Bouwman JG, Bakker CJG, De Greef M, Viergever MA, Moonen CTW, Bartels LW. Influence of water and fat heterogeneity on fat-referenced MR thermometry. *Magnetic Resonance in Medicine* 2016; 75 (3) 1187-1197
- Baron P, Deckers R, De Greef M, Merckel LG, Bakker CJG, Bouwman JG, Bleys RLAW, Van Den Bosch MAAJ, Bartels LW. Correction of proton resonance frequency shift MR-thermometry errors caused by heat- induced magnetic susceptibility changes during high intensity focused ultrasound ablations in tissues containing fat. *Magnetic Resonance in Medicine* 2014; 72 (6) 1580-1589.
- Baron P, Ries M, Deckers R, De Greef M, Tanttu J, Köhler M, Viergever MA, Moonen CTW, Bartels LW. In vivo T2-based MR thermometry in adipose tissue layers for high-intensity focused ultrasound near-field monitoring. *Magnetic Resonance in Medicine* 2014; 72 (4) 1057-1064.
- Barra NG, Palanivel R, Denou E, Chew MV, Gillgrass A, Walker TD, Kong J, Richards CD, Jordana M, Collins SM, Trigatti BL, Holloway AC, Raha S, Steinberg GR, Ashkar AA. Interleukin- 15 modulates adipose tissue by altering mitochondrial mass and activity. *PLoS ONE* 2014; 9 (12) Art. No. e114799,
- Barreras J, Chang TP. Authors' Response. *JAVA - Journal of the Association for Vascular Access* 2017, 22(4) 163-164.
- Barreras J, Chang TP. Using a Near Infrared Device to Improve Successful Venous Access in Children with Special Health Care Needs. *JAVA - Journal of the Association for Vascular Access* 2017, 22 (2): 75-80.
- Barrese J, Sun XR, Patel N, Jethwa P, Danish SF. Endoscopic laser ablation of clival chordoma with magnetic resonance-guided laser induced thermal therapy. *Interdisciplinary Neurosurgery: Advanced Techniques and Case Management* 2014; 1 (4) 76-80.
- Barroso J, Renau J, Lozano A, Miralles J, Martín J, Sanchez F, Barreras F. Experimental determination of the heat

- transfer coefficient for the optimal design of the cooling system of a PEM fuel cell placed inside the fuselage of an UAV. *Applied Thermal Engineering* 2015; 89: 1-10
- Bartosz R, Agnieszka R, Boleslaw K, Francis R, Przemyslaw K, Andrzej T, Anna J. A study of heat loss in patients undergoing general anesthesia warmed with a heated mattress with esophageal temperature monitoring compared to facial infrared thermography. *Journal of Medical Imaging and Health Informatics* 2016; 6 (1) 141-145
- Barwood MJ, Corbett J, White DK. Spraying with 0.20% L-menthol does not enhance 5 km running performance in the heat in untrained runners. *The Journal of sports medicine and physical fitness* 2014; 54 (5): 595-604.
- Basheer M, Nithin PV, Ravindran P, Balasubramaniam K. A Thermographic Approach for Surface Crack Depth Evaluation through 3D, Finite Element Modeling. in: Chimenti DE, Bond LI, eds, 41st Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE) JUL 20-25, 2014, 2015; 1650: 1782-1789
- Basmaci R, Ilharreborde B, Bonacorsi S, Kahil M, Mallet C, Aupiais C, Doit C, Dugué, S, Lorrot M. Septic arthritis in children with normal initial C-reactive protein: Clinical and biological features [Arthrite septique de l'enfant à protéine C-réactive initialement normale: Description clinique et biologique]. *Archives de Pédiatrie* 2014; 21 (11): 1195-1199.
- Bastos-Pereira AL, Fraga D, Ott D, Simm B, Murgott J, Roth J, Zampronio AR. Involvement of brain cytokines in zymosan-induced febrile response. *Journal of Applied Physiology* 2014; 116 (9): 1220-1229.
- Bates JL, Karriker LA, Stock ML, Pertzborn KM, Baldwin LG, Wulf LW, Lee CJ, Wang C, Coetzee JF. Impact of transmammary-delivered meloxicam on biomarkers of pain and distress in piglets after castration and tail docking. *PLoS ONE* 2014; 9 (12) Art. No. e113678.
- Bats FD, Mathis T, MAUGET-FAÏSSE, M, Joubert F, Denis P, Kodjikian L. Prevalence of reticular pseudodrusen in age-related macular degeneration using multimodal imaging. *Retina* 2016; 36 (1) 46-52
- Batsale JC, Pradere C. Infrared image processing devoted to thermal non-contact characterization- Applications to Non-Destructive Evaluation, Microfluidics and 2D source term distribution for multispectral tomography. *Journal of Physics: Conference Series* 2015, 655(1), 012002.
- Batz NG, Mellors JS, Alarie JP, Ramsey JM. Chemical vapor deposition of aminopropyl silanes in microfluidic channels for highly efficient microchip capillary electrophoresis-electrospray ionization- mass spectrometry. *Analytical Chemistry* 2014; 86 (7): 3493-3500.
- Baucom RB, Phillips SE, Ehrenfeld JM, Holzman MD, Nealon WH, Sharp KW, Kaiser JL, Poulouse BK. Defining intraoperative hypothermia in ventral hernia repair. *Journal of Surgical Research* 2014; 190 (1): 385-390.
- Bauer J, Hahnel A, Blumtritt H, Deniz H, Zuschlag A, Breitenstein O. Do lomer dislocations spoil high performance of mc-Si solar cells? *Energy Procedia* 2015; 77: 565-571
- Bauer R, Martin E, Haegele-Link S, Kaegi G, von Specht M, W erner B. Noninvasive functional neurosurgery using transcranial MR imaging-guided focused ultrasound. *Parkinsonism and Related Disorders* 2014; 20 (Suppl.1): S197-S199.
- Baumbach SF, Lobo CM, Badyine I, Mutschler W, Kanz K.-G. Prepatellar and olecranon bursitis: Literature review and development of a treatment algorithm. *Archives of Orthopaedic and Trauma Surgery* 2014; 134 (3): 359-370.
- Baumgartner CF, Kolbitsch C, McClelland JR, Rueckert D, King AP. Autoadaptive motion modelling for MR-based respiratory motion estimation. *Medical Image Analysis* 2017, 35: 83-100.
- Bavis RW, Van Heerden ES, Brackett DG, Harmeling LH, Johnson SM, Blegen HJ, Logan S, Nguyen GN, Fallon SC. Postnatal development of eupneic ventilation and metabolism in rats chronically exposed to moderate hyperoxia. *Respiratory Physiology and Neurobiology* 2014; 198 (1) 1-12.
- Bayat M, Ballard JR, Ebbini ES. in Vivo Ultrasound Thermography in Presence of Temperature Heterogeneity and Natural Motions. *IEEE Transactions On Biomedical Engineering* 2015; 62(2): 450-457
- Bayhan C, Özsürekcı Y, Tekçam N, Güloğlu A, Ehliz G, Ceyhan M, Kara A. Comparison of infrared tympanic thermometer with non-contact infrared thermometer [Temassız Kızılötesi Termometre ile Timpanik Kızılötesi Termometre Karşılaştırması) *Cocuk Enfeksiyon Dergisi* 2014; 8 (2) 52-55.
- Bazrafshan B, Hübner F, Farshid P, Hammerstingl R, Paul J, Vogel V, Mäntele W, Vogl TJ. Temperature imaging of laser-induced thermotherapy (LITT) by MRI: Evaluation of different sequences in phantom.
- Bazyleu A, Kumar A. Incubation temperature osmolarity and salicylate affect the expression of resistance-nodulation-division efflux pumps and outer membrane porins in *Acinetobacter baumannii* ATCC19606T. *FEMS Microbiology Letters* 2014; 357 (2) 136-143.
- Beaumont F, Tairar R, Zaidi H, Abdi E, Polidori G. Numerical investigation of the human body skin temperature response using a radiative and convective heat transfer model. *Series on Biomechanics* 2017, 31 (1): 27-34.
- Bebell LM, Ngonzi J, Bazira J, Fajardo Y, Boatın AA, Siedner MJ, Bassett IV, Nyehangane D, Nanjebe D, Jacquemyn Y, Van Geertruyden J-P, Mwanga-Amumpaire J, Bangsberg DR, Riley LE, Boum Y, II. Antimicrobial-resistant infections among postpartum women at a Ugandan referral hospital. *PLoS ONE* 2017, 12 (4), art. no. e0175456.
- Becerra L, Aasted CM, Boas DA, George E, Yücel MA, Kussman BD, Kelsey P, Borsook D. Brain measures of

nociception using near-infrared spectroscopy in patients undergoing routine screening colonoscopy. *Pain* 2016; 157 (4) 840-848

Bechkit MA, Flageul S, Guerin R, Tabbagh A. Monitoring soil water content by vertical temperature variations. *Groundwater* 2014; 52 (4) 566-572.

Becker A, Felgentreff F, Schröder H, Meier B, Brattström A. The anxiolytic effects of a Valerian extract is based on Valerenic acid. *BMC Complementary and Alternative Medicine* 2014; 14, Art. No. 267.

Bedussi B, Van Der Wel NN, de Vos J, Van Veen H, Siebes M, VanBavel E, Bakker ENTP. Paravascular channels cisterns and the subarachnoid space in the rat brain: A single compartment with preferential pathways. *Journal of Cerebral Blood Flow and Metabolism* 2017, 37 (4): 1374-1385.

Beekman RB, Greer DM, Brooks DC, Maciel CB. Clinical reasoning: Prognostication after cardiac arrest: What do we really know? *Neurology* 2017, 89(20) e239-e244.

Beer F, Farmakis ETR, Kopic J, Kurzmann C, Moritz A. Temperature Development on the External Root Surface during Laser-Assisted Endodontic Treatment Applying a Microchopped Mode of a 980 nm Diode Laser. *Photomedicine and Laser Surgery* 2017, 35 (4): 206-212.

Behbahani M, Bagheri S, Amini MM, Sadeghi Abandansari H, Reza Moazami H, Bagheri A. Alication of a Beilin D. The role of regulation capacity in the development and treatment of neoplastic conditions (abstract). *Thermology international* 2015, 25(1) 23

Beilken K, Hancock MJ, Maher CG, Li Q, Steffens D. Acute low back pain? Do not blame the weather-A case-crossover study. *Pain Medicine (United States)* 2017, 18 (6): 1139-1144.

Bekele K, Markos D. Left-sided incarcerated Amyand's hernia with cecum and terminal ileum: A case report. *International Medical Case Reports Journal* 2017, 10: 349-352.

Belay RE, Huang GO, Shen JK-C, Ko EYK. Diagnosis of clinical and subclinical varicocele: How has it evolved? *Asian Journal of Andrology* 2016; 18 (2) 182-185

Belgrado J-P. Reply to "near-Infrared Fluorescence Lymphatic Imaging to Reconsider Occlusion Pressure of Superficial Lymphatic Collectors in Upper Extremities of Health Volunteers: Facts and/or Artifacts" by Pierre Bourgeois and Romain Barbieux. *Lymphatic Research and Biology* 2017, 15 (1): 109-113.

Belkacemi M, Stolz C, Aubreton O. 3D and NDT using scanning from heating. in: Meriaudeau F, Aubreton O, eds *Proceedings of SPIE 12th International Conference on Quality Control by Artificial Vision JUN 03- 05 2015*, 2015; 95341G-95341G-6.

Belkacemi M, Stolz C, Mathieu A, Lemaitre G, Massich J, Aubreton O. Nondestructive testing based on scanning-from-heating approach: application to nonthrough defect detection and fiber orientation assessment. *Journal of Electronic Imaging* 2015; 24(6), 061112-061112.

Belkin A, Abulafia A, Michaeli A, Ofir S, Assia El. Wound temperature profiles of coaxial mini-incision versus sleeveless microincision phacoemulsification. *Clinical and Experimental Ophthalmology* 2017, 45 (3): 247-253.

Belliveau RG, DeJong SA, Cassidy BM, Lu Z, Morgan SL, Myrick ML. Ridge patterns of blood-transferred simulated fingerprints observed on fabrics via steam thermography. *Forensic Chemistry* 2016; 1 74-77

Belloni M, Paz ICLA, Naas IA, Alves MCF, Garcia RG, Caldara FR, Seno LO. Productive Qualitative and Physiological Aspects of Layer Hens Fed, with Propolis. *Brazilian Journal of Poultry Science* 2015; 17(4):467-472

Belussi L, Danza L, Meroni I, Salamone F. Energy performance assessment with empirical methods: application of energy signature. *Opto-Electronics Review*. 2015; 23(1): 83-87

Benaarbia A, Chrysochoos A, Robert G. Fiber orientation effects on heat source distribution in reinforced polyamide 6.6 subjected to low cycle fatigue. *Journal of Engineering Mathematics* 2015; 90(1): 13-36

Benaarbia A, Chrysochoos A, Robert G. influence of relative humidity and loading frequency on the PA6.6 thermomechanical cyclic behavior: Part II. Energy aspects. *Polymer Testing* 2015; 41: 92-98

Bendada A, Sfarra S, Ibarra-Castanedo C, Akhloufi M, Caumes JP, Pradere C, Batsale JC, Maldague X. Subsurface imaging for panel paintings inspection: A comparative study of the ultraviolet the visible the Infrared and the terahertz spectra. *Opto-Electronics Review* 2015; 23(1): 88-99

Bendas ER, Abdelbary AA. Instantaneous enteric nano-encapsulation of omeprazole: Pharmaceutical and pharmacological evaluation. *International Journal of Pharmaceutics* 2014; 468 (1-2) 97-104.

Bene BJ, Taylor WA, Birnbaum ER, Sudowe R. Chromatographic separation of thulium from erbium for neutron capture cross section measurements—Part II: Preparative scale separation. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 311 (1): 155-163.

Benetos G, Toutouzias K, Drakopoulou M, Tolis E, Masoura C, Nikolaou C, Tsekoura D, Tsiamis E, Grassos H, Sioreas E, Stefanadis C, Tousoulis D. Bilateral Symmetry of Local inflammatory Activation in Human Carotid Atherosclerotic Plaques. *Hellenic Journal of Cardiology* 2015; 56(2): 118-124

Benetti C, Ana PA, Bachmann L, Zezell DM. Mid-Infrared Spectroscopy Analysis of the Effects of Erbium Chromium: Yttrium-Scandium-Gallium-Garnet (ErCr:YSGG) Laser Irradiation on Bone Mineral and Organic

Components. *Applied Spectroscopy* 2015; 69 (12): 1496-1504

Béni P, Chrétien D, Porceddu M, Yanicostas C, Rak M, Rustin P. An effective, versatile, and inexpensive device for oxygen uptake measurement. *Journal of Clinical Medicine* 2017, 6(6) Article Number: 58.

Bennett JR, Darragh KM, Walsh SJ, Allen DJ, Scott M, Stevenson M, Adgey JAA, Anderson JMCJ, Manoharan G. Low-tilt monophasic and biphasic waveforms compared with standard biphasic waveforms in the transvenous defibrillation of ventricular fibrillation. *PACE - Pacing and Clinical Electrophysiology* 2014; 37 (3) 279-289.

Bensghir M, Badou N, Houba A, Balkhi H, Haimeur C, Azendour H. Convulsions during cataract surgery under peribulbar anesthesia: A case report. *Journal of Medical Case Reports* 2014; 8 (1) Art. No. 218.

Benz SA, Bayer P, Blum P. Global patterns of shallow groundwater temperatures. *Environmental Research Letters* 2017, 12 (3), art. no. 034005.

Bergamo O, Campione G, Donadello S, Russo G. in-situ NDT testing procedure as an integral part of failure analysis of historical masonry arch bridges. *Engineering Failure Analysis* 2015; 57: 31-55

Berger MJ, Hubli M, Krassioukov AV. Sympathetic skin responses and autonomic dysfunction in spinal cord injury. *Journal of Neurotrauma* 2014; 31 (18) 1531-1539.

Bergstrand S, Källman U, Ek A-C, Lindberg L-G, Engström M, Sjöberg F, Lindgren M. Pressure- induced Vasodilation and Reactive Hyperemia at Different Depths in Sacral Tissue Under Clinically Relevant Conditions. *Microcirculation* 2014; 21 (8) 761-771.

Bernard S. Inducing hypothermia after out of hospital cardiac arrest. *BMJ (Online)* 2014; 348, Art. No. g2735.

Bernard V, Andrašina T, Mornstein V, Staffa E, Válek V. Infrared thermography as a tool for monitoring of radiofrequency tissue ablation inside of metal stent (extended abstract). *Thermology international* 2015, 25(3) 140.

Bernard V, Čan V, Staffa E, Farkašová M, Němcová M, Dostál M, Kala Z, Mornstein V. Infrared thermal imaging: a potential tool used in open colorectal surgery. *Minerva chirurgica* 2017, 72(5) 442-446.

Bertolin C, Luciani A, Valisi L, Camuffo D, Landi A, Del Curto D. Laboratory tests for the evaluation of the heat distribution efficiency of the Friendly-Heating heaters. *Energy and Buildings* 2015; 107: 319-328

Berz R, Berz JP. Survey and controlling of infrared irradiation local hyperthermia by thermographic system HeatControl (extended abstract). *Thermology international* 2015, 25(1) 25

Berz R, Berz JP. The standardized recording and evaluation procedure of MammoVision (extended abstract). *Thermology international* 2015, 25(1) 21-22

Berz R. German contributions to thermography and infrared imaging and to its medical use. (extended abstract). *Thermology international* 2015, 25(1) 14-16

Best S, Thompson M, Caillaud C, Holvik L, Fatseas G, Tammam A. Exercise-heat acclimation in young and older trained cyclists. *Journal of Science and Medicine in Sport* 2014; 17 (6) 677-682.

Beyaz A, Fan W, Carr PW, Schellinger AP. Instrument parameters controlling retention precision in gradient elution reversed-phase liquid chromatography. *Journal of Chromatography A* 2014; 1371, 90-105.

Bhargava A, Chanmugam A, Herman C. Heat transfer model for deep tissue injury: A step towards an early thermographic diagnostic capability. *Diagnostic Pathology* 2014; 9 (1) Art. No. 36.

Bhargava P, Singh M, Sreekanth V, Bajaj A. Nature of the charged headgroup determines the fusogenic potential and membrane properties of lithocholic acid phospholipids. *Journal of Physical Chemistry B* 2014; 118 (31) 9341-9348.

Bhat KJ, Pandita KK, Khajuria A, Wani SM. Visceral leishmaniasis (kalaazar) migrating West: A new autochthonous case from sub-Himalayas. *Indian Journal of Medical Microbiology* 2014; 32 (1) 94-95.

Bhattacharjee S, Guha N, Dutta G, Chakraborty M, Jana M, Paul S. Formulation and evaluation of sustained release matrix tablet of anti-amoebic drug by natural polymers. *Research Journal of Pharmacy and Technology* 2017, 10 (7): 2041-2046.

Bhattacharya J, Biswas G, Bhowmik A, Pal SR, Naskar S. Thermometric profile of term early neonates in a tertiary care institution in West Bengal India. *Biomedicine (India)* 2014; 34 (4) 464- 467.

Bhowmik A, Repaka R, Mishra SC. Thermographic evaluation of early melanoma within the vascularized skin using combined non-Newtonian blood flow and bioheat models. *Computers in Biology and Medicine* 2014; 53, 206-219.

Bicanic D, Streza M, Doka O, Valinger D, Luterotti S, Ajtony Z, Kurtanek Z, Dadarlat D. Non-destructive Measurement of Total Carotenoid Content in Processed Tomato Products: Infrared Lock-in Thermography Near-Infrared Spectroscopy/Chemometrics and Condensed Phase Laser-Based Photoacoustics-Pilot Study. *International Journal of Thermophysics* 2015; 36(9): 2380-2388

Bijur PE, Shah PD, Esses D. Temperature measurement in the adult emergency department: Oral tympanic membrane and temporal artery temperatures versus rectal temperature. *Emergency Medicine Journal* 2016; 33 (12) 843-847

Billah MM, Zaman K, Estivariz CF, Snider CJ, Anand A, Hampton LM, Bari TIA, Russell KL, Chai SJ. Cold-Chain

- Adaptability during Introduction of Inactivated Polio Vaccine in Bangladesh 2015. *Journal of Infectious Diseases* 2017, 216: S114-S121.
- Billet A, Froux L, Hanrahan JW, Becq F. Development of automated patch clamp technique to investigate CFTR chloride channel function. *Frontiers in Pharmacology* 2017, 8: art. no. 195.
- Billington EO, Horne A, Gamble GD, Maslowski K, House M, Reid IR. Effect of single-dose dexamethasone on acute phase response following zoledronic acid: a randomized controlled trial. *Osteoporosis International* 2017, 28 (6): 1867-1874.
- Bilodeau GA, Desgent S, Farah R, Duss S, Langlois JMP, Carmant L. Body temperature measurement of an animal by tracking in biomedical experiments. *Signal Image and Video Processing* 2015; 9(2): 251-259
- Bindu B, Bindra A, Rath G Temperature management under general anesthesia: Compulsion or option. *Journal of Anaesthesiology Clinical Pharmacology* 2017, 33(3) 306-316.
- Binek M, Drzazga Z, Pokora I. Thermal mapping of ski-runners during endurance training (abstract). *Thermology international* 2017; 27 (2) 76-77.
- Bing C, Staruch RM, Tillander M, Köhler MO, Mougnot C, Ylihautala M, Laetsch TW, Chopra R. Drift correction for accurate PRF-shift MR thermometry during mild hyperthermia treatments with MR-HIFU. *International Journal of Hyperthermia* 2016; 32 (6) 673-687
- Biondi F, Dornbusch PT, Sampaio M, Montiani-Ferreira F. Infrared ocular thermography in dogs with and without keratoconjunctivitis sicca. *Veterinary Ophthalmology* 2015; 18(1): 28-34
- Birk C, Langkammer C, Haybaeck J, Ernst C, Stollberger R, Fazekas F, Ropele S. Temperature- induced changes of magnetic resonance relaxation times in the human brain: A postmortem study. *Magnetic Resonance in Medicine* 2014;71 (4) 1575-1580.
- Birklein F, Drummond PD, Li W, Schlereth T, Albrecht N, Finch PM, Dawson LF, Clark JD, Kingery WS. Activation of cutaneous immune responses in complex regional pain syndrome. *Journal of Pain* 2014; 15 (5) 485-495.
- Birt MA, Guay K, Treiber K, Ramirez HR, Snyder D. The influence of a Soft Touch Therapy Flowtrition on Heart Rate Surface Temperature and Behavior in Horses. *Journal of Equine Veterinary Science* 2015; 35(8): 636-644
- Bischof JC. A01 plenary lecture: Challenges and opportunities in temperature and injury measurements during cryosurgery *Cryobiology* 2014; 69 (1): 184-199.
- Bison P, Clarelli F, Vannozzi A. Pulsed Thermography for Depth Profiling in Marble Sulfation. *International Journal of Thermophysics* 2015; 36(5-6), 1123-1130.
- Bitelli G, Conte P, Csoknyaj T, Franci F, Girelli VA, Mandanici E. Aerial Thermography for Energetic Modelling of Cities. *Remote Sensing* 2015; 7(2)2152-2170
- Bitton RR, Webb TD, Pauly KB, Ghanouni P. Improving thermal dose accuracy in magnetic resonance- guided focused ultrasound surgery: Long-term thermometry using a prior baseline as a reference. *Journal of Magnetic Resonance Imaging* 2016; 43 (1) 181-189
- Bixler JN, Hokr BH, Denton ML, Noojin GD, Shingledecker AD, Beier HT, Thomas RJ, Rockwell BA, Yakovlev VV. Assessment of tissue heating under tunable near-infrared radiation. *Journal of Biomedical Optics* 2014; 19 (7) Art. No. 070501.
- Bjelland TW, Klepstad P, Haugen BO, Nilsen T, Salvesen Ø, Dale O. Concentrations of remifentanyl propofol fentanyl and midazolam during rewarming from therapeutic hypothermia. *Acta Anaesthesiologica Scandinavica* 2014; 58 (6) 709-715.
- Bjurlin MA, Zhao LC, Kenigsberg AP, Mass AY, Taneja SS, Huang WC. Novel Use of Fluorescence Lymphangiography During Robotic Groin Dissection for Penile Cancer. *Urology* 2017, 107: 267.
- Bjursell M, Xu X, Admyre T, Böttcher G, Lundin S, Nilsson R, Stone VM, Morgan NG, Lam YY, Storlien LH, Lindén D, Smith DM, Mohammad B-Y, Oscarsson J. The beneficial effects of n-3 polyunsaturated fatty acids on diet induced obesity and impaired glucose control do not require Gpr120. *PLoS ONE* 2014; 9; (12) Art. No. e114942.
- Black B, Granja-Vazquez R, Johnston BR, Jones E, Romero-Ortega M. Anthropogenic radio-frequency electromagnetic fields elicit neuropathic pain in an amputation model. *PLoS ONE* 2016; 11 (1), art no e0144268
- Black-Maier E, Pokorney SD, Barnett AS, Zeitler EP, Sun AY, Jackson KP, Bahnson TD, Daubert JP, Piccini JP. Risk of atrioesophageal fistula formation with contact force-sensing catheters. *Heart Rhythm* 2017, 14 (9): 1328-1333.
- Blanche A, Chrysochoos A, Ranc N, Favier V. Dissipation Assessments During Dynamic Very High Cycle Fatigue Tests. *Experimental Mechanics*, 2015; 55(4): 699-709
- Blasco JM, Sanchis-Sanchez E, Martin JD, Sanchis E, Salvador-Palmer R, Cibrian R. Thermographic imaging tool for children fracture detection. 2016 Global Medical Engineering Physics Exchanges/Pan American Health Care Exchanges GMEPE/PAHCE 2016, art no 7504626
- Blazek V, Blanik N, Blazek CR, Paul M, Pereira C, Koeny M, Venema B, Leonhardt S. Active and Passive Optical Imaging Modality for Unobtrusive Cardiorespiratory Monitoring and Facial Expression Assessment. *Anesthesia and Analgesia* 2017, 124(1) 104-119.

- Bloch-Salisbury E, Zuzarte I, Indic P, Bednarek F, Paydarfar D. Kangaroo care: Cardio-respiratory relationships between the infant and caregiver. *Early Human Development* 2014; 90 (12) 843-850.
- Blockhaus C, Müller P, Vom Dahl S, Leonhardt S, Häussinger D, Gerguri S, Clasen L, Schmidt J, Kurt M, Brinkmeyer C, Kelm M, Shin D-I, Makimoto H. Low incidence of esophageal lesions after pulmonary vein isolation using contact-force sensing catheter without esophageal temperature probe. *International Heart Journal* 2017, 58 (6): 880-884.
- Blondin DP, Tingelstad HC, Mantha OL, Gosselin C, Haman F. Maintaining thermogenesis in cold exposed humans: relying on multiple metabolic pathways. *Comprehensive Physiology* 2014; 4 (4) 1383-1402.
- Blondin NA. Diagnosis and management of periodic hypothermia. *Neurology: Clinical Practice* 2014; 4 (1) 26-33.
- Bluemel S, Staehr R, Jaeschke P, Suttman O, Overmeyer L. Correlation of Internal and surface temperatures during laser cutting of epoxy-based carbon fibre reinforced plastics. *Journal of Reinforced Plastics and Composites* 2015; 34(8): 662-671
- Boatin AA, Wylie BJ, Goldfarb I, Azevedo R, Pittel E, Ng C, Haberer JE. Wireless Vital Sign Monitoring in Pregnant Women: A Functionality and Acceptability Study. *Telemedicine and e-Health* 2016; 22 (7) 564- 571
- Boccardi S, Boffa ND, Carlomagno GM, Maio L, Meola C, Ricci F. Infrared thermography and ultrasonics to evaluate composite materials, for aeronautical applications. *Journal of Physics Conference Series*. 2015; 658: 012007
- Boccardi S, Carlomagno GM, Meola C, Simeoli G, Russo P. Infrared thermography to evaluate thermoplastic composites under bending load. *Composite Structures* 2015, 134, 900-904.
- Bocci V, Chiodi G, Iacoangeli F, Nuccetelli M, Recchia L. The ArduSiPM a compact trasportable Software/Hardware Data Acquisition system for SiPM detector. (2014) 2014 IEEE Nuclear Science Symposium and Medical Imaging Conference NSS/MIC 2014, art no 7431252
- Bock G, Won J, Ji TW, Kim N. Feasibility Study on Active Infrared Thermographic investigation of Wooden Tablets. *International Conference on Power Electronics and Energy Engineering (PEEE) APR 19-20, 2015 Hong Kong, 2015: 160-163*
- Boddicker RL, Seibert JT, Johnson JS, Pearce SC, Selsby JT, Gabler NK, Lucy MC, Safranski TJ, Rhoads RP, Baumgard LH, Ross JW. Gestational heat stress alters postnatal offspring body composition indices and metabolic parameters in pigs. *PLoS ONE* 2014; 9 (11) Art. No. e110859.
- Bodkin RP, Acquisto NM, Zwart JM, Toussaint SP. Differences in noninvasive thermometer measurements in the adult emergency department. *American Journal of Emergency Medicine* 2014; 32 (9): 987-989.
- Boguszewski D, Adamczyk J, Slupik A, Bialoszewski D. Using thermovision in evaluation the effect of isometric and classical massage on selected physiological and biomechanical parameters of lower limbs (extended abstract). *Thermology international* 2015, 25(3) 129.
- Boixeda P, Feltes F, Santiago JL, Paoli J. Future Prospects in Dermatologic Applications of Lasers Nanotechnology and Other New Technologies [Perspectivas de futuro en láseres nuevas tecnologías y nanotecnología en dermatología]. *Actas Dermo-Sifilograficas*. Article in Press.
- Bojovic B, Petrov L, Matija L, Koruga D. Actual Diamond Engraving of a Fullerene Coated Glass Plate. *Fullerenes Nanotubes and Carbon Nanostructures* 2015; 23 (11): 947-955
- Bollo RJ. Surgical advancements in pediatric epilepsy surgery: From the mysterious to the minimally invasive. *Translational Pediatrics* 2016; 5 (3) 180-182
- Bond AE, Shah BB, Huss DS, Dallapiazza RF, Warren A, Harrison MB, Sperling SA, Wang X-Q, Gwinn R, Witt J, Ro S, Elias WJ. Safety and efficacy of focused ultrasound thalamotomy for patients with medication-refractory tremor-dominant Parkinson disease a randomized Clinical trial. *JAMA Neurology* 2017, 74 (12): 1412-1418.
- Bondarencu A, Körtner G, Geiser F. Hot bats: Extreme thermal tolerance in a desert heat wave. *Naturwissenschaften* 2014; 101 (8) 679-685.
- Bonmarin M, Le Gal FA. A lock-in thermal imaging setup for dermatological applications. *Skin Research and Technology* 2015; 21(3): 284-290
- Bonmarin M, Le Gal F-A. Lock-in thermal imaging for the early-stage detection of cutaneous melanoma: A feasibility study. *Computers in Biology and Medicine* 2014; 47 (1) 36-43.
- Bonmati-Carrion MA, Middleton B, Revell V, Skene DJ, Rol MA, Madrid JA. Circadian phase asesment by ambulatory monitoring in humans: Correlation with dim light melatonin onset *Chronobiology International* 2014; 31 (1): 37-51.
- Bonnemains L, Barbier T, Felblinger J. Metal wires should not be abandoned inside implantable cardioverter-defibrillators leads during heart transplantation! *Transplant International* 2016; 29 (10) 1136-1138
- Boogerd LSF, Handgraaf HJM, Lam H-D, Braat AE, Baranski AG, Swijnenburg R-J, Frangioni JV, Vahrmeijer AL, Ringers J. Application of near-infrared fluorescence imaging during modified associating liver partition and portal vein ligation for staged hepatectomy. *Surgery (United States)* 2016; 159 (5) 1481- 1482
- Boon MR, Bakker LEH, Van Der Linden RAD, Pereira Arias-Bouda L, Smit F, Verberne HJ, Van Marken

- Lichtenbelt WD, Jazet IM, Rensen P.CN. Supraclavicular skin temperature as a measure of 18F-FDG uptake by BAT in human subjects. *PLoS ONE* 2014; 9 (6), art. no. e98822.
- Booth S, Ballal M, Pillai A. Complex ankle arthrodesis with step-cut osteotomy in Charcot arthropathy with bone loss. *Foot and Ankle Surgery* 2017, 23 (1): e5-e7.
- Borazjani E, Spinello D, Neculescu DS. Determination of the modulation frequency for thermographic non-destructive testing. *NDT & E International* 2015; 70: 1-8
- Borchardt L, Michels NL, Nowak T, Mitchell S, Perez-Ramirez J. Structuring zeolite bodies for enhanced heat-transfer properties. *Microporous and Mesoporous Materials* 2015; 208: 196-202
- Bordignon S, Fürnkranz A, Dugo D, Perrotta L, Gunawardene M, Bode F, Klemm A, Nowak B, Schulte-Hahn B, Schmidt B, Chun KRJ. Author reply *Europace* 2014; 16 (11): 1698-1699.
- Bordonaro SF, McGillicuddy DC, Pompei F, Burmistrov D, Harding C, Sanchez LD. Human temperatures for syndromic surveillance in the emergency department: Data from the autumn wave of the 2009 swine flu (H1N1) pandemic and a seasonal influenza outbreak. *BMC Emergency Medicine* 2016; 16 (1), art no 16
- Borges BC, Rorato R, Torres Uchoa E, Marangon P, da Silva GSF, de Paula FJ, Branco LGS, Antunes-Rodrigues J, Kagohara Elias LL. High-fat diet induces site-specific unresponsiveness to LPS-stimulated STAT3 activation in the hypothalamus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 306 (1) R34-R44.
- Borisov VV, Lin D.C. Temperature fluctuations in the lower limbs of young and elderly individuals during activities of daily living. *Experimental Gerontology* 2015, 57: 243-249.
- Borman PTS, Bos C, De Boorder T, Raaymakers BW, Moonen CTW, Crijns SPM. Towards real-time thermometry using simultaneous multislice MRI. *Physics in Medicine and Biology* 2016; 61 (17) N461- N477
- Bortolami A, Fiore E, Ganesella M, Corro M, Catania S, Morgante M. Evaluation of the udder health status in subclinical mastitis affected dairy cows through bacteriological culture somatic cell count and thermographic imaging. *Polish Journal of Veterinary Sciences* 2015; 18(4): 799-805
- Bortolin A, Bison P, Cadelano G, Ferrarini G, Fortuna S. Measurement of thermophysical properties coupled with LCA assessment for the optimization of a historical building retrofit. *Journal of Physics: Conference Series* 2015, 655(1) 012011.
- Boryshpolets S, Sochorová, D, Rodina M, Linhart O, Dzyuba B. Cryopreservation of Carp (*Cyprinus carpio* L.) Sperm: Impact of Seeding and Freezing Rates on Post-Thaw Outputs. *Biopreservation and Biobanking* 2017, 15 (3): 234-240.
- Boskey AL, Donnelly E, Boskey E, Spevak L, Ma Y, Zhang W, Lappe J, Recker RR. Examining the Relationships between Bone Tissue Composition Compositional Heterogeneity and Fragility Fracture: A Matched Case-Controlled FTIRI Study. *Journal of Bone and Mineral Research* 2016; 31 (5) 1070-1081.
- Bosschem V, Mauws N, Heyneman A, Van Derjeught D, Hoste E, Decruyenaere J, Dewaele JJ. Intermittent axillary temperature measurement fails to detect fever in critically ill patients. *Minerva Anestesiologica* 2016; 82 (6) 721-722
- Böttcher A, Jowett N, Kucher S, Reimer R, Schumacher U, Knecht R, Wöllmer W, Münscher A, Dalchow CV. Use of a microsecond Er: YAG laser in laryngeal surgery reduces collateral thermal injury in comparison to superpulsed CO2 laser. *European Archives of Oto-Rhino-Laryngology* 2014; 271 (5) 1121-1128.
- Böttcher A, Kucher S, Knecht R, Jowett N, Krotz P, Reimer R, Schumacher U, Anders S, Münscher A, Dalchow CV, Müller RID. Reduction of thermocoagulative injury via use of a picosecond Infrared laser (PIRL) in laryngeal tissues. *European Archives of Oto-Rhino-Laryngology* 2015; 272(4): 941-948
- Bottoms L, Price M. The effect of arm training on thermoregulatory responses and calf volume during upper body exercise. *European Journal of Applied Physiology* 2014; 114 (6): 1113-1122.
- Bouchoux G, Shivashankar R, Abruzzo TA, Holland CK. In silico study of low-frequency transcranial ultrasound fields in acute ischemic stroke patients. *Ultrasound in Medicine and Biology* 2014; 40 (6) 1154- 1166.
- Boué Y, Payen J-F, Brun J, Thomas S, Levrat A, Blancher M, Debaty G, Bouzat P. Survival after avalanche-induced cardiac arrest. *Resuscitation* 2014; 85 (9): 1192-1196.
- Bouma BE, Villiger M, Otsuka K, Oh W-Y. Intravascular optical coherence tomography [Invited]. *Biomedical Optics Express* 2017, 8(5) 2660-2686.
- Bour P, Marquet F, Ozenne V, Toupin S, Dumont E, Aubry J-F, Lepetit-Coiffe M, Quesson B. Real-time monitoring of tissue displacement and temperature changes during MR-guided high intensity focused ultrasound. *Magnetic Resonance in Medicine* 2017, 78 (5): 1911-1921.
- Bousbaa H, Amhajji L. Case study of glomus tumor of the index finger [A propos d'une observation de tumeur glomique de l'index]. *Pan African Medical Journal* 2017, 26, art. no. 155.
- Bouzigon R, Arfaoui A, Grappe F, Ravier G, Jarlot B, Dugue B. Validation of a new whole-body cryotherapy chamber based on forced convection. *Journal of Thermal Biology* 2017, 65: 138-144.
- Bowman AS, Nolting JM, Workman JD, Cooper M, Fisher AE, Marsh B, Forshey T. The Inability to Screen

Exhibition Swine for Influenza A Virus Using Body Temperature. *Zoonoses and Public Health* 2016; 63 (1) 34-39

Boyce JM, Sullivan L, Vaughn D, Nuzzo J, Davis KA. A retrospective study of the accuracy of surgical care improvement project metrics for documenting normothermia. *Infection Control and Hospital Epidemiology* 2014; 35 (11): 1408-1410.

Boye G, Schmidt J, Beyrau F. Analysis of flow boiling heat transfer in narrow annular gaps applying the design of experiments method. *Advances in Mechanical Engineering* 2015; 7(6), 1687814015584544

Boyer RB, Hocking KM, Booth GS, Berry JM, Spain TW, Michaels DR, Sandberg WS, Pilla MA. An evaluation of induced failure modes in the belmont® rapid infuser. *Anesthesia and Analgesia* 2016; 122 (4) 1062-1069

Bozzoli F, Cattani L, Pagliarini G, Rainieri S., Infrared image filtering applied to the restoration of the convective heat transfer coefficient distribution in coiled tubes. *Opto-Electronics Review* 2015; 23(1): 107- 115

Brabrand M, Dahlin J, Fløjstrup M, Zwisler ST, Michelsen J, Nielsen LG, Sørensen JA. Use of infrared thermography in diagnosing necrotizing fasciitis in the emergency department: A case study. *European Journal of Case Reports in Internal Medicine* 2017, 4(10) Article Number: 6.

Brade C, Dawson B, Wallman K. Effects of different precooling techniques on repeat sprint ability in team sport athletes. *European Journal of Sport Science* 2014; 14 (SUL1) S84-S91.

Brändström H, Johansson G, Giesbrecht GG, Ångquist K.-A, Haney MF. Accidental cold-related injury leading to hospitalization in northern Sweden: An eight-year retrospective analysis. *Scandinavian Journal of Trauma Resuscitation and Emergency Medicine* 2014; 22 (1), art. no. 6.

Braun A, Kecsmar S, Krause F, Berthold M, Frentzen M, Frankenberger R, Schelle F. Effect of simulated pulpal fluid circulation on intrapulpal temperature following irradiation with an Nd: YVO4 laser. *Lasers in Medical Science*: 1-6. Article in Press.

Bray JE, Stub D, Bloom JE, Segan L, Mitra B, Smith K, Finn J, Bernard S. Changing target temperature from 33 °C to 36 °C in the ICU management of out-of-hospital cardiac arrest: A before and after study. *Resuscitation* 2017, 113: 39-43.

Brazaitis M, Eimantas N, Daniuseviciute L, Mickeviciene D, Steponaviciute R, Skurvydas A. Two strategies for response to 14°C cold-water immersion: Is there a difference in the response of motor cognitive immune and stress markers? *PLoS ONE* 2014; 9 (10), art. no. e109020.

Brazilian Journal of Physical Therapy 2015; 19 (2): 122-128

Brehar R, Vancea C, Oniga F, Negru M, Nedevschi S. A study of the impact of HOG and LBP based temporal association on far infrared pedestrian detection. *Proceedings - 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing ICCP 2016*, art no 7737157 263-268

Breitenstein O, Bauer J, Hinken D, Bothe K. The reliability of thermography-and luminescence-based series resistance and saturation current density imaging. *Solar Energy Materials and Solar Cells* 2015; 137: 50-60

Breitenstein O, Bauer J, Hinken D, Bothe K. Towards an improved Laplacian-based photoluminescence image evaluation method. *Solar Energy Materials and Solar Cells* 2015; 142: 92-101

Breitenstein O, Fertig F, Bauer J. An empirical method for imaging the short circuit current density in silicon solar cells based on dark lock-in thermography. *Solar Energy Materials and Solar Cells* 2015; 143: 406-410

Brendler M. Cryopreservation: The dream of frozen organs [Kryokonservierung: Der Traum vom Tiefkühlorgan]. *Pharmazeutische Zeitung* 2017, 162 (25).

Breslin TJ, Tenorio-Bernal MI, Marks BP, Booren AM, Ryser ET, Hall NO. Evaluation of Salmonella thermal inactivation model validity for slow cooking of whole-muscle meat roasts in a pilot-scale oven. *Journal of Food Protection* 2014; 77 (11): 1897-1903.

Brézillon S, Untereiner V, Lovergne L, Tadeo I, Noguera R, Maquart F-X, Wegrowski Y, Sockalingum GD. Glycosaminoglycan profiling in different cell types using infrared spectroscopy and imaging. *Analytical and Bioanalytical Chemistry* 2014; 406 (24) 5795-5803.

Bright FM, Winskog C, Tsokos M, Walker M, Byard RW. Issues in the diagnosis of hypothermia: A comparison of two geographically separate populations. *Journal of Forensic and Legal Medicine* 2014; 22: 30-32.

Brik MG, Kityk IV, Denysyuk NM, Khyzhun OY, Levkovets SI, Parasyuk OV, Fedorchuk AO, Myronchuk GL. Specific features of the electronic structure of a novel ternary TI 3PbI5 optoelectronic material. *Physical Chemistry Chemical Physics* 2014; 16 (25): 12838-12847.

Brindle R, Williams OM, Davies P, Harris T, Jarman H, Hay AD, Featherstone P. Adjunctive clindamycin for cellulitis: A clinical trial comparing flucloxacillin with or without clindamycin for the treatment of limb cellulitis. *BMJ Open* 2017, 7 (3), art. no. e013260.

Brinkman ACM, ten Tusscher BL, de Waard M.C, de Man FR, Girbes ARJ, Beishuizen A. Minimal effects on ex vivo coagulation during mild therapeutic hypothermia in post cardiac arrest patients. *Resuscitation* 2014; 85 (10): 1359-1363.

Brioschi ML, Jacobsen Teixeira M. Postural thermography assessment (extended abstract). *Thermology international* 2014; 24(1) 13

- Brioschi ML, Jacobsen Teixeira M. The “mantle sign”: how thermography can help to support the clinical diagnosis of fibromyalgia syndrome? (extended abstract) *Thermology international* 2014; 24(1) 12-13
- Brioschi ML, Neves EB, Reis VM, Reiserberger GG. Estimating the normal breast reference temperature in young women: a thermographic equation. (extended abstract). *Thermology international* 2015, 25(3) 102
- Brioschi ML, Neves EB, Reis VM, Reiserberger GG. Thermographic evaluation of risk factors for hip pain (extended abstract). *Thermology international* 2015, 25(3) 129.
- Brioschi ML, Neves EB, Reis VM, Reiserberger GG. Thermographic evaluation of lateral epicondylitis in patients with fibromyalgia syndrome (extended abstract). *Thermology international* 2015, 25(3) 130-131.
- Brioschi ML, Yeng LT, Jacobsen Teixeira M. Medical thermography: what is it? And its applications. *Pan American Journal of Medical Thermology* 2015; 2(1) 14-17
- Brioschi ML. Brazilian Current Studies of Medical Thermology. *Pan American Journal of Medical Thermology* 2015; 2(2) 86-89
- Brioschi ML. Introducing Brazilian Thermology Society, ICGMT, and PAJMT (editorial). *Pan American Journal of Medical Thermology* 2015; 2(2) 55-57
- Broberg P, Siodahl M, Runnemalm A. Comparison of NDT-methods for automatic inspection of weld defects. *International Journal of Materials & Product Technology* 2015; 50(1): 1-21
- Brocherie F, Girard O, Pezzoli A, Millet GP. Outdoor exercise performance in ambient heat: Time to overcome challenging factors? *International Journal of Hyperthermia* 2014; 30 (8): 547-549.
- Brodav EE, de Paula Xavier AA, de Oliveira R. Comparative analysis of methods for determining the clothing surface temperature (tcl) in order to provide a balance between man and the environment. *International Journal of Industrial Ergonomics* 2017, 57: 80-87.
- Brodin NP, Partanen A, Asp P, Branch CA, Guha C, Tomé, WA. A simple method for determining the coagulation threshold temperature of transparent tissue-mimicking thermal therapy gel phantoms: Validated by magnetic resonance imaging thermometry. *Medical Physics* 2016; 43 (3) 1167-1174
- Broeckhoven K, Desmet G. Considerations for the use of ultra-high pressures in liquid chromatography for 2.1 mm inner diameter columns. *Journal of Chromatography A* 2017, 1523: 183-192.
- Brotschi B, Gunny R, Rethmann C, Held U, Latal B, Hagmann C. Relationship between temperature variability and brain injury on magnetic resonance imaging in cooled newborn infants after perinatal asphyxia. *Journal of Perinatology* 2017, 37 (9): 1032-1037.
- Brown J, Chittineni SH. Comparison of lock-in and pulse-phase thermography for defect characterization in FRP composites applied to concrete. in: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23, 2015, CL Baltimore MD, 2015; pp. 94850B-94850B-8.
- Brown MJ, Curry TB, Hyder JA, Berbari EF, Truty MJ, Schroeder DR, Hanson AC, Kor DJ. Intraoperative Hypothermia and Surgical Site Infections in Patients with Class I/Clean Wounds: A Case-Control Study. *Journal of the American College of Surgeons* 2017, 224 (2): 160-171.
- Brown R, Deniz CM, Zhang B, Chang G, Sodickson DK, Wiggins G.C. Design and application of combined 8-channel transmit and 10-channel receive arrays and radiofrequency shimming for 7-t shoulder magnetic resonance imaging. *Investigative Radiology* 2014; 49 (1): 35-47.
- Brown-Joel ZO, Vidal NY, Wanat KA. Expanding purpura in a neutropenic patient. *JAMA Oncology* 2017, 3 (9): 1276-1277.
- Brož, P, Rajdl D, Racek J, Zeman V, Novák J, Trefil L. Relationship between cold water swimming and increased cardiac markers: A pilot study. *Klinicka Biochemie a Metabolismus* 2017, 25 (1): 27-31.
- Brubacher JW, Karg J, Weinstock P, Bae DS. A Novel Cast Removal Training Simulation to Improve Patient Safety. *Journal of Surgical Education* 2016; 73 (1) 7-11
- Bryan AW, Jr Qian Q, Kirby JE. Photo quiz: A man with fever and headache. *Journal of Clinical Microbiology* 2017, 55 (2), p. 351.
- Bu CW, Tang QJ, Liu YL, Jin XY, Sun ZH, Yan ZG. A theoretical study on vertical finite cracks detection using pulsed laser spot thermography (PLST). *INfrared Physics & Technology* 2015; 71: 475-480
- Buchenberg WB, Wassermann F, Grundmann S, Jung B, Simpson R. Acquisition of 3D temperature distributions in fluid flow using proton resonance frequency thermometry. *Magnetic Resonance in Medicine* 2016; 76 (1) 145-155
- Buchta P, Myrda K, Skrzypek M, Wojtaszczyk A, Budzyn B, Gąsior M The influence of ablation power reduction associated with oesophagus location on pulmonary vein isolation results in patients with paroxysmal atrial fibrillation: Six-month follow-up. *Kardiologia Polska* 2017, 75(11) 1171-1176
- Buckley D Re: The freeze–thaw cycle in cryosurgery. *Journal of the European Academy of Dermatology and Venereology* 2017, 31(9) e405-e406.

- Bucknor MD, Rieke V. MRgFUS for desmoid tumors within the thigh: Early clinical experiences. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 4.
- Buffa R, Mereu E, Marini E. Reply to the comment on "Lower lean mass and higher percent fat mass in patients with Alzheimer's disease". *Experimental Gerontology* 2015, 60, p. 166.
- Buffone C, Sefiane K, Minetti C, Mamalis D. Standing wave in evaporating meniscus detected by Infrared thermography. *Applied Physics Letters* 2015; 107(4) 041606
- Bui HK, Wasselynck G, Trichet D, Berthiau G. Performance Assessment of induction Thermography Technique Applied to Carbon-Fiber-Reinforced Polymer Material. *IEEE Transactions On Magnetics* 2015; 51 (3) 8001804
- Buitendijk GHS, Hooghart AJ, Brussee C, de Jong PTVM, Hofman A, Vingerling JR, Klaver CCW. Epidemiology of reticular pseudodrusen in age-related macular degeneration: The rotterdam study. *Investigative Ophthalmology and Visual Science* 2016; 57 (13) 5593-5601
- Bukowska DM, Wan SL, Chew AL, Chelva E, Tang I, Mackey DA, Chen FK. Fundus autofluorescence in rubella retinopathy: Correlation with photoreceptor structure and function. *Retina* 2017, 37 (1): 124-134.
- Buledi R, Butt ZA, Ahmed J, Alizai AA. Status of cold chain in routine immunisation centres of the expanded programme on immunisation in Quetta Pakistan. *Journal of the Pakistan Medical Association* 2017, 67 (5): 739-744.
- Büntjen L, Voges J, Heinze HJ, Hinrichs H, Schmitt FC. Stereotactic laser ablation: Technical concepts und clinical application [Stereotaktische Laserablation: Technische Konzepte und klinische Anwendungen]. *Zeitschrift für Epileptologie* 2017, 30 (2): 138-145.
- Buono MJ, Holloway B, Levine A, Rasmussen C, Kolkhorst FW. Effect of air temperature on the rectal temperature gradient at rest and during exercise. *International Journal of Physiology Pathophysiology and Pharmacology* 2014; 6 (1): 61-65.
- Burattini C, Nardecchia F, Bisegna F, Cellucci L, Gugliermetti F, Vollaro AD, Salata F, Golasi I. Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. *Sustainability* 2015; 7(8): 10428-10444
- Burghold EM, Frekers Y, Kneer R. Determination of time-dependent thermal contact conductance through IR-thermography. *International Journal of Thermal Sciences* 2015; 98: 148-155
- Burgholzer P. Thermodynamic Limits of Spatial Resolution in Active Thermography. *International Journal of Thermophysics* 2015; 36(9): 2328-2341
- Burkes SA, Patel M, Adams DM, Hammill AM, Eaton KP, Randall Wickett R, Visscher MO. Infantile hemangioma status by dynamic infrared thermography: A preliminary study. *International Journal of Dermatology* 2016; 55 (10) e522-e532
- Burke-Smith A, Collier J, Jones I. A comparison of non-invasive imaging modalities: Infrared thermography spectrophotometric intracutaneous analysis and laser Doppler imaging for the assessment of adult burns. *Burns* 2015; 41 (8): 1695-1707
- Burmeister DM, Cerna C, Becerra SC, Sloan M, Wilkink G, Christy RJ. Noninvasive Techniques for the Determination of Burn Severity in Real Time. *Journal of Burn Care and Research* 2017, (1): e180-e191.
- Burns TI, McCafferty DJ, Kennedy MW. Core and body surface temperatures of nesting leatherback turtles (*Dermochelys coriacea*). *Journal of Thermal Biology* 2015; 51: 15-22
- Bus SA. Innovations in plantar pressure and foot temperature measurements in diabetes. *Diabetes/Metabolism Research and Reviews* 2016; 32 221-226
- Busato CR, Utrabo CAL, Lipinski LC, de Lima KD, Filho MDG, Medeiros NB, Fagundes SB, Josviak W. Ischemia and reperfusion by retrograde flow: Experimental comparative study [Isquemia e reperfusão por circulação retrógrada: Estudo comparativo experimental]. *Jornal Vascular Brasileiro* 2017, 16 (3): 187-194.
- Buschschlüter S, Koch C, von Eicken J, Höh H. Computation of the temperature rise at the corneal endothelium during cataract surgery by modeling of heat generation inside the anterior chamber. *Ultrasound in Medicine and Biology* 2014; 40 (10) 2431-2444.
- Bushell J, Sherlock P, Mummery P, Bellin B, Zaccchia F. An investigation of pulsed phase thermography for detection of disbonds in HIP-bonded beryllium tiles in ITER normal heat flux first wall (NHF, FW) components. *Fusion Engineering and Design*, 98, 1244-1249
- Busnardo C, Tavares RF, Correa FMA. Angiotensinergic neurotransmission in the paraventricular nucleus of the hypothalamus modulates the pressor response to acute restraint stress in rats. *Neuroscience* 2014; 270, 12-19.
- Butler P, Fluhrer J. Thermal imaging and circulating tumour cells - windows on breast health (extended abstract). *Thermology international* 2015, 25(1) 16-17
- Büttner C. The Use of Infrared Thermography in the Arcadia Clinic for Integrative Medicine and Cancer Treatment (abstract). *Thermology international* 2015, 25(1) 23
- Byrne DT, Berry DP, Esmonde H, McHugh N. Temporal spatial inter-, and intra-cow repeatability of thermal

imaging. *Journal of Animal Science* 2017, 95 (2): 970-979.

Byun DJ, Wolchok JD, Rosenberg LM, Girotra M. Cancer immunotherapy-immune checkpoint blockade and associated endocrinopathies. *Nature Reviews Endocrinology* 2017, 13 (4): 195-207.

C. Local anesthetic sympathectomy restores fMRI cortical maps in CRPS I after upper extremity stellate blockade: A prospective case study. *Pain Physician* 2014; 17 (5): E637-E644.

Çabalar M, Ertaşoğlu Toydemir H, Özkaya A, Erdoğan HA, Yayla V A case of tongue swelling after intravenous recombinant tissue plasminogen activator administration for acute ischemic stroke. *Türk Beyin Damar Hastalıkları Dergisi* 2017, 23(2) 80-82.

Cadelano G, Bison P, Bortolin A, Ferrarini G, Peron F, Girotto M, Volinia M. Monitoring of historical frescoes by timed Infrared imaging analysis. *Opto-Electronics Review* 2015; 23(1): 100-106

Cai K, Yang R, Chen H, Huang Y, Wen X, Huang W, Ou S. Synchronization Design and Error Analysis of Near-Infrared Cameras in Surgical Navigation. *Journal of Medical Systems* 2016; 40 (1), art no 7 1-8

Calcagno C, Fayad ZA. Intraplaque and cellular distribution of dextran-coated iron oxide fluorescently labeled nanoparticles insights into atherothrombosis and plaque rupture. *Circulation: Cardiovascular Imaging* 2017, 10 (5), art. no. e006533.

Caldwell JN, Matsuda-Nakamura M, Taylor NAS. Three-dimensional interactions of mean body and local skin temperatures in the control of hand and foot blood flows. *European Journal of Applied Physiology* 2014; 114 (8): 1679-1689.

Caldwell JN, Taylor NAS. Water-displacement plethysmography: A technique for the simultaneous thermal

Califano R, Naddeo A, Vink P. The effect of human-mattress interface's temperature on perceived thermal comfort. *Applied Ergonomics* 2017, 58: 334-341.

Calin MA, Mologhianu G, Savastru R, Calin MR, Brailescu CM. A review of the effectiveness of thermal Infrared imaging in the diagnosis and monitoring of knee diseases. *Infrared Physics & Technology* 2015; 69: 19-25

Calixto J, Bärtschi BC. Comparison of GDP between Brazil, WHO and EMA international requirements and scenario concerning good distribution and transport practices. *Pharmazeutische Industrie* 2017, 79(2) 216-220.

Calkins H, Hindricks G, Cappato R, Kim Y-H, Saad EB, Aguinaga L, Akar JG, Badhwar V, Brugada J, Camm J, Chen P-S, Chen S-A, Chung MK, Nielsen JC, Curtis AB, Davies DW, Day JD, d'Avila A, de Groot NMSN, Di Biase L, Duytschaever M, Edgerton JR, Ellenbogen KA, Ellinor PT, Ernst S, Fenelon G, Gerstenfeld EP, Haines DE, Haisaguerre M, Helm RH, Hylek E, Jackman WM, Jalife J, Kalman JM, Kautzner J, Kottkamp H, Kuck KH, Kumagai K, Lee R, Lewalter T, Lindsay BD, Macle L, Mansour M, Marchlinski FE, Michaud GF, Nakagawa H, Natale A, Nattel S, Okumura K, Packer D, Pokushalov E, Reynolds MR, Sanders P, Scanavacca M, Schilling R, Tondo C, Tsao H-M, Verma A, Wilber DJ, Yamane T. 2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. *Heart Rhythm* 2017, 14 (10): e275-e444.

Calkosinski I, Dobrzynski M, Rosinczuk J, Dudek K, Chroszcz A, Fita K, Dymarek R. The Use of Infrared Thermography as a Rapid Quantitative and Noninvasive Method for Evaluation of Inflammation Response in Different Anatomical Regions of Rats. *Biomed Research International* 2015, 972535

Calvert AE, Dixon KL, Delorey MJ, Blair CD, Roehrig JT. Development of a small animal peripheral challenge model of Japanese encephalitis virus using interferon deficient AG129 mice and the SA14-14-2 vaccine virus strain. *Vaccine* 2014; 32 (2): 258-264.

Campos CM, Bourantas CV, Garcia-Garcia HM, Lemos PA, Serruys PW. How can the vulnerable plaque be identified? *Dialogues in Cardiovascular Medicine* 2014; 19 (1): 29-35.

Campos HO, Leite LHR, Drummond LR, Cunha DNQ, Coimbra C.C, Natali AJ, Prímola-Gomes TN. Temperature control of hypertensive rats during moderate exercise in warm environment. *Journal of Sports Science and Medicine* 2014; 13 (3): 695-701.

Campos PH, Noblet J, Jaguelin-Peyraud Y, Gilbert H, Mormède P, Donzele RF, Donzele JL, Renaudeau *Cancer Letters* 2016; 383 (2) 243-249

Cando D, Herranz B, Borderías AJ, Moreno HM. Different additives to enhance the gelation of surimi gel with reduced sodium content. *Food Chemistry* 2016; 196 791-799

Cao Z, Balasubramanian A, Marrelli SP. Pharmacologically induced hypothermia via TRPV1 channel agonism provides neuroprotection following ischemic stroke when initiated 90 min after reperfusion. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 306 (2): R149- R156.

Capitani G, Sehnem E, Rosa C, Matos F, Reis VM, Neves EB. Osgood-Schlatter disease diagnosis by algometry and infrared thermography. *Open Sports Sciences Journal* 2017, 10: 223-228.

Carcillo JA. A synopsis of 2007 ACCM clinical practice parameters for hemodynamic support of term newborn and infant septic shock. *Early Human Development* 2014; 90 (SUPPL.1): S45-S47.

Cardinale T, Valva R, Lucarelli M. The Integrated Survey For Excavated Architectures: The Complex of Casalnuovo District Within The World Heritage Site "Sassi" (Matera, Italy). *The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences* 2015, 40(5) 403-409.

- Cardone D, Merla A. New Frontiers for Applications of Thermal Infrared Imaging Devices: Computational Psychophysiology in the Neurosciences. *Sensors* (Basel, Switzerland) 2017, 17(5).
- Cardone D, Merla A. The thermal dimension of social interactions. (extended abstract). *Thermology international* 2015, 25(3) 1124-115.
- Cardoso CC, Peripolli V, Amador SA, Brandao EG, Esteves GIF, Sousa CMZ, Franca MFMS, Goncalves FG, Barbosa FA, Montalvao TC, Martins CF, Neto AMF, McManus C. Physiological and thermographic response to heat stress in zebu cattle. *Livestock Science* 2015; 182: 83-92
- Cardoso Freire F, Brioschi ML, Jacobsen Teixeira M. Case report: breast infrared thermography in a mammographic BI-RADS-3 (extended abstract). *Thermology international* 2014; 24(1) 16-17
- Carek AM, Inan OT. A temperature-controlled glove with non-invasive arterial pulse sensing for active neuro-vascular assessment. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS 2016; 2016-October art no 7590778* 619-622
- Caretti DM, Barker DJ. Effects of respirator ambient air cooling on thermophysiological responses and comfort sensations. *Journal of Occupational and Environmental Hygiene* 2014; 11 (5) 269- 281.
- Carey C. Climate change extinction risks and reproduction of terrestrial vertebrates. *Advances in Experimental Medicine and Biology* 2014; 753, 35-54.
- Carias M, Hynynen K. The evaluation of steerable ultrasonic catheters for minimally invasive MRI- guided cardiac ablation. *Magnetic Resonance in Medicine* 2014; 72 (2) 591-598.
- Carlson LA, Ferguson DP, Kenefick RW. Physiological strain of stock car drivers during competitive racing. *Journal of Thermal Biology* 2014; 44 (1) 20-26.
- Carneiro TA, Guiselini C, Pandorfi H, Lopes Neto JP, Loges V, de Souza RF. Primary thermal conditioning of rural installations by means of different types of cover. *Revista Brasileira de Engenharia Agrícola e Ambiental* 2015, 19(11), 1086-1092.
- Caron S, Roger M, Pernpeintner J. Transient Infrared thermography heat loss measurements on parabolic
- Carpagnano GE, Lacedonia D, Malerba M, Martinelli D, Cotugno G, Foschino-Barbaro MP. Exhaled breath temperature measurement: Influence of circadian rhythm. *Journal of Biological Regulators and Homeostatic Agents* 2017, 31 (1): 229-235.
- Carpagnano GE, Lacedonia D, Spanevello A, Martinelli D, Saliari V, Ruggieri C, Foschino- Barbaro MP. Exhaled breath temperature in NSCLC: Could be a new non-invasive marker? *Medical Oncology* 2014; 31 (5).
- Carpenter JS, Robillard R, Hermens DF, Naismith SL, Gordon C, Scott EM, Hickie IB. Sleep-wake profiles and circadian rhythms of core temperature and melatonin in young people with affective disorders. *Journal of Psychiatric Research* 2017, 94: 131-138.
- Carracedo G, Wang Z, Serramito-Blanco M, Martin-Gil A, Carballo-Alvarez J, Pintor J. Ocular Surface Temperature During Scleral Lens Wearing in Patients With Keratoconus. *Eye and Contact Lens Article in Press*
- Carruthers J, Fabi S, Weiss R. Monopolar radiofrequency for skin tightening: Our experience and a review of the literature. *Dermatologic Surgery* 2014; 40: S168-S173.
- Carson SD, Hafenstein S, Lee H. MOPS and coxsackievirus B3 stability. *Virology* 2017, 501: 183-187.
- Carstens AMG, Tambara EM, Colman D, Carstens MG, Matias JEF. Infrared image monitoring of local anesthetic poisoning in rats [Monitorização por imagem infravermelha da intoxicação por anestésico local em ratos]. *Brazilian Journal of Anesthesiology* 2016; 66 (6) 603-612
- Carter HH, Spence AL, Atkinson CL, Pugh CJA, Cable NT, Thijssen DHJ, Naylor LH, Green DJ. Distinct effects of blood flow and temperature on cutaneous microvascular adaptation. *Medicine and Science in Sports and Exercise* 2014; 46 (11): 2113-2121.
- Carter HH, Spence AL, Atkinson CL, Pugh CJA, Naylor LH, Green DJ. Repeated core temperature elevation induces conduit artery adaptation in humans. *European Journal of Applied Physiology* 2014; 114 (4): 859-865.
- Carter MR, Mcginn R, Barrera-Ramirez J, Sigal RJ, Kenny GP. Impairments in local heat loss in type 1 diabetes during exercise in the heat. *Medicine and Science in Sports and Exercise* 2014; 46 (12): 2224- 2233.
- Carvalho T, Augusto V, Rocha A, Lourenço NMT, Correia NT, Barreiros S, Vidinha P, Cabrita EJ, Dionísio Casa DJ, Hosokawa Y, Belval LN, Adams WM, Stearns RL. Preventing death from exertional heat stroke-the long road from evidence to policy. *Kinesiology Review* 2017, 6 (1): 99-109.
- Casanova I, Diaz A, Pinto S, De Carvalho M. Motor excitability measurements: The influence of gender body mass index age and temperature in healthy controls. *Neurophysiologie Clinique* 2014; 44 (2): 213- 218.
- Casanova JJ, O'Shaughnessy SA, Evett SR, Rush CM. Development of a wireless computer vision instrument to detect biotic stress in wheat. *Sensors* (Basel Switzerland) 2014; 14 (9): 17753-17769.
- Casavola C, Cazzato A, Moramarco V, Pappalettere C. influence of the clamps configuration on residual stresses field in friction stir welding process. *Journal of Strain Analysis for Engineering Design* 2015; 50(4): 232-242
- Cassey J, Salter J, Colyvas K, Burstal R, Stanger R. The effect of convective heating on evaporative heat loss in

anesthetized children. *Paediatric Anaesthesia* 2014; 24 (12): 1274-1280.

Cassiman C, Casteels I, Jacob J, Plasschaert E, Brems H, Dubron K, Keer KV, Legius E. Choroidal abnormalities in café-au-lait syndromes: a new differential diagnostic tool?. *Clinical Genetics* 2017, 91 (4): 529-535.

Castellani JW, Demes R, Endrusick TL, Cheuvront SN, Montain SJ. Heat removal using microclimate foot cooling: A thermal foot manikin study. *Aviation Space and Environmental Medicine* 2014; 85 (4): 445-448.

Castillo M. Cold and hot. *American Journal of Neuroradiology* 2014; 35 (3): 413-414.

Castoldi M, Zotarelli MF, Durigon A, Carciofi BAM, Laurindo JB. Production of tomato powder by refractance window drying. *Drying technology* 2015, 33(12), 1463-1473.

Castrodale V, Rinehart S. The golden hour improving the stabilization of the very low birth-weight infant. *Advances in Neonatal Care* 2014; 14 (1): 9-14.

Casula E, Asuni G.P, Sogos V, Fadda S, Delogu F, Cincotti A. Osmotic behaviour of human mesenchymal stem cells: Implications for cryopreservation. *PLoS ONE* 2017, 12:9 Article Number: e0184180.

Catenazzi A. Ecological implications of metabolic compensation at low temperatures in salamanders. *PeerJ* 2016; 2016 (24), art no e2072

Cauchy E, Leal S, Magnan M.-A, Nespoulet H. Portable hyperbaric chamber and management of hypothermia and frostbite: An evident utilization. *High Altitude Medicine and Biology* 2014; 15 (1): 95-96.

Cavaleiro AL, da Costa DT, de Menezes ALF, Pereira JM, de Carvalho EM. Thermographic analysis and autonomic response in the hands of patients with leprosy. *Anais Brasileiros de Dermatologia* 2016; 91 (3) 274-283

Cavalleri D, Murphy M, Seewald W, Drake J, Nanchen S. Two randomized controlled studies to assess the efficacy and safety of lotilaner (Credelio™) in preventing *Dermacentor reticulatus* transmission of *Babesia canis* to dogs. *Parasites and Vectors* 2017, 10 (1), art. no. 520.

Cech J, Pechman V, Hromadka M, Ruzicka J, Pospisil J, Durspek J, Rokyta R. Mild therapeutic hypothermia induced by intravenous ice cold saline: Comparison between forearm vein and external jugular vein access *Experimental and Clinical Cardiology* 2014; 20 (1): 19-24.

Celicanin Z Auboiron V, Bieri O, Petrusca L, Santini F, Viallon M, Scheffler K, Salomir R. Real-time method for motion-compensated MR thermometry and MRgHIFU treatment in abdominal organs. *Magnetic Resonance in Medicine* 2014; 72 (4) 1087-1095.

Celorrío R, Omella AJ, Mendioroz A, Oleaga A, Salazar A. Advances in Crack Characterization by Lock-in Infrared Thermography. *International Journal of Thermophysics* 2015; 36(5-6): 1202-1207

Cengiz E, Weinzimer SA, Sherr JL, Tichy EM, Carria L, Cappiello D, Steffen A, Tamborlane WV. Faster in and faster out: Accelerating insulin absorption and action by insulin infusion site warming. *Diabetes Technology and Therapeutics* 2014; 16 (1): 20-25.

Cernuschj F. Can TBC porosity be estimated by non-destructive Infrared techniques? A theoretical and experimental analysis. *Surface & Coatings Technology* 2015; 272: 387-394

Cha DG, Kim KS, Jeong JS, Kwon HM. The dose effect of ephedrine on the onset time and intubating conditions after cisatracurium administration. *Korean Journal of Anesthesiology* 2014; 67 (1): 26-31.

Chaâri N, Frikha M, Mezghanni N, Masmoudi L, Souissi N. Time-of-day and warm-up durations effects on thermoregulation and anaerobic performance in moderate conditions. *Biological Rhythm Research* 2014; 45 (4): 495-508.

Chae SY, Kim Y-S, Park MJ, Yang J, Park H, Namgung M-S, Rhim H, Lim HK. High-intensity focused ultrasound-induced localized mild hyperthermia to enhance anti-cancer efficacy of systemic doxorubicin: An experimental study. *Ultrasound in Medicine and Biology* 2014; 40 (7) 1554-1563.

Chaiamarit C, Balandraud X, Preechawuttipong I, Grediac M. Stress Network Analysis of 2D Non-Cohesive Polydisperse Granular Materials using Infrared Thermography. *Experimental Mechanics* 2015; 55(4): 761-769

Chaki S, Harizj W, Bourse G, Ourak M. Multi-technique approach for non destructive diagnostic of structural composite materials using bulk ultrasonic waves guided waves acoustic emission and Infrared thermography. *Composites Part A-Applied Science and Manufacturing* 2015; 78: 358-361

Chakraborty A, Sen K. Impact of pH and temperature on phase diagrams of different aqueous biphasic systems. *Journal of Chromatography A* 2016; 1433 41-55

Chakraborty M, Mukhopadhyay S, Dasgupta A, Banerjee S, Patsa S, Ray JG, Chaudhuri K. A new paradigm of oral cancer detection using digital infrared thermal imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9785, art no 97853I

Chalcraft KR, Kong J, Wasserman S, Jordana M, McCarry BE. Comprehensive metabolomic analysis of peanut-induced anaphylaxis in a murine model. *Metabolomics* 2014; 10 (3) 452-460.

Challan SB, Massoud A. Radiolabeling of graphene oxide by Technetium-99m for infection imaging in rats. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 2189-2199.

Chamani A, Mehta HP, McDermott MK, Djeflal M, Nayyar G, Patwardhan DV, Attaluri A, Topoleski LDT, Zhu L.

Theoretical simulation of temperature elevations in a joint wear simulator during rotations. *Journal of Biomechanical Engineering* 2014; 136 (2), art. no. 021027.

Chan AY, Tran DKT, Gill AS, Hsu FPK, Vadera S. Stereotactic robot-assisted MRI-guided laser thermal ablation of radiation necrosis in the posterior cranial fossa: Technical note. *Neurosurgical Focus* 2016; 41 (4), art no E5

Chan JYC, Lin HL, Tian LW. Meteorological factors and El Nino Southern Oscillation are associated with paediatric varicella infections in Hong Kong 2004-2010. *Epidemiology and Infection* 2014; 142 (7): 1384-1392.

Chan KH, Hirasuna K, Fried D. Analysis of enamel surface damage after selective laser ablation of composite from tooth surfaces. *Photonics and Lasers in Medicine* 2014; 3 (1): 37-45.

Chan M, Dennis K, Huang Y, Mougnot C, Chow E, DeAngelis C, Coccagna J, Sahgal A, Hynynen K, Czarnota G, Chu W. Magnetic Resonance-Guided High-Intensity-Focused Ultrasound for Palliation of Painful Skeletal Metastases: A Pilot Study. *Technology in Cancer Research and Treatment* 2017, 16 (5): 570-576.

Chan PS, Spertus JA. In reply. *JAMA - Journal of the American Medical Association* 2017, 317(6) 645

Chandler C Why Thermography? (extended abstract). *Thermology international* 2015, 25(3) 111.

Chandler C. The Use of Thermography in Elevated Body Temperature Screening. *Pan American Journal of Medical Thermology* 2015; 2(2) 58-62

Chandran D, Prasad B. Conjugate Heat Transfer Study of Combined Impingement and Showerhead Film Cooling Near NGV Leading Edge. *International Journal of Rotating Machinery* 2015, 315036

Chang DF, Mamalis N, Werner L. Precision Pulse Capsulotomy Preclinical Safety and Performance of a New Capsulotomy Technology. *Ophthalmology* 2016; 123 (2) 255-264

Chang K, Liu J, Lin H, Wang N, Zhao K, Zhang A, Jin F, Zhong Y, Hu X, Duan W, Zhang Q, Fu L, Xue Q- K, Chen X, Ji S-H. Discovery of robust in-plane ferroelectricity in atomic-thick SnTe. *Science* 2016; 353 (6296) 274-278

Chang K, Yoon S, Sheth N, Seidel M, Antalek M, Ahad J, Darlington T, Ikeda A, Kato GJ, Ackerman H, Gorbach AM. Rapid vs. delayed Infrared responses after ischemia reveal recruitment of different vascular beds. *Quantitative Infrared Thermography Journal* 2015; 12(2): 173-183

Chang M. The chiropractic scope of practice in the United States: A cross-sectional survey. *Journal of Manipulative and Physiological Therapeutics* 2014; 37 (6): 363-376.

Chang SW, Hwang PW, Chiang KF, Caj WL. Heat transfer of twin-fin piezofan at various orientations and buoyancy levels. *International Journal of Heat and Mass Transfer* 2015; 81: 512-530

Chani MTS, Karimov KhS, Asiri AM, Ahmed N, Bashir MM, Khan SB, Rub MA, Azum N. Temperature gradient measurements by using thermoelectric effect in CNTs-silicone adhesive composite. *PLoS ONE* 2014; 9 (4), art. no. e95287.

Chanmugam A, Langemo D, Thomason K, Haan J, Altenburger EA, Tippett A, Henderson L, Zortman TA. Relative Temperature Maximum in Wound Infection and Inflammation as Compared with a Control Subject Using Long-Wave Infrared Thermography. *Advances in Skin and Wound Care* 2017, 30 (9): 406-414.

Chao W, Kolski-Andreaco A. This Month in JoVE -Assessing Freezing Tolerance in Plants Patterning 2D Shapes with DNA, Studying Ischemia in Vitro Studying Social Cognition in Monkeys. *JoVE-Journal of Visualized Experiments* 2015(99) e5727

Chaplin V, Caskey CF. Multi-focal HIFU reduces cavitation in mild-hyperthermia. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 12.

Charafeddine L, Tamim H, Hassouna H, Akel R, Nabulsi M. Axillary and rectal thermometry in the newborn: Do they agree? *BMC Research Notes* 2014; 7 (1), art. no. 584.

Charbon E, Scandini M, Mata Pavia J, Wolf M. A dual backside-illuminated 800-cell multi-channel digital SiPM with 100 TDCs in 130nm 3D IC technology. (2014) 2014 IEEE Nuclear Science Symposium and Medical Imaging Conference NSS/MIC 2014, art no 7431246

Charkaluk E, Seghir R, Bodelot L, Witz JF, Dufrénoy P. Microplasticity in Polycrystals: A Thermomechanical Experimental Perspective. *Experimental Mechanics* 2015, 55(4), 741-752.

Charrier G, Pramsohler M, Charra-Vaskou K, Saudreau M, Ameglio T, Neuner G, Mayr S. Ultrasonic emissions during ice nucleation and propagation in plant xylem. *New Phytologist* 2015; 207(3): 570-578

Chatproedprai S, Heamawanachai K, Tempark T, Wanankul S. A comparative study of 3 different methods of temperature measurement in children. *Journal of the Medical Association of Thailand* 2016; 99 (2) 142-149

Chatzaraki V, Schweitzer W, Thali MJ, Ruder TD, Ampanozi G. Rectal thermometry signs in postmortem CT. *Journal of Forensic Radiology and Imaging* 2017, 9: 44-46.

Chauris N, Ayel V, Bertin Y, Romestant C. Evaporation of a liquid film deposited on a capillary heated tube: Experimental analysis by Infrared thermography of its thermal footprint. *International Journal of Heat and Mass Transfer* 2015; 86: 492-507

Chavanne X, Frangi J.-P. Presentation of a complex permittivity-meter with applications for sensing the moisture and salinity of a porous media. *Sensors (Basel Switzerland)* 2014; 14 (9): 15815-15835.

- Chebbout R, Newton RS, Walters M, Wrench IJ, Woolnough M. Does the addition of active body warming to in-line intravenous fluid warming prevent maternal hypothermia during elective caesarean section? A randomised controlled trial. *International Journal of Obstetric Anesthesia* 2017, 31: 37-44.
- Cheheltani R, Pichamuthu JE, Rao J, Weinbaum JS, Kiani MF, Vorp DA, Pleshko N. Fourier Transform Infrared Spectroscopic Imaging-Derived Collagen Content and Maturity Correlates with Stress in the Aortic Wall of Abdominal Aortic Aneurysm Patients. *Cardiovascular Engineering and Technology* 2017, 8 (1): 70-80.
- Chen B, Wang Z, Sun J, Song Q, He B, Zhang H, Wang X, Dai W, Zhang Q. A tenascin C targeted nanoliposome with navitoclax for specifically eradicating of cancer-associated fibroblasts. *Nanomedicine: Nanotechnology Biology and Medicine* 2016; 12 (1) 131-141
- Chen B, Yu L, Leng S, Kofler J, Favazza C, Vrieze T, McCollough C. Predicting detection performance with model observers: Fourier domain or spatial domain? *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9783, art no 978326
- Chen B-T, Shieh J, Huang C-W, Chen W.-S, Chen S.-R, Chen C-S. Ultrasound thermal mapping based on a hybrid method combining physical and statistical models. *Ultrasound in Medicine and Biology* 2014; 40 (1): 115-129.
- Chen CC. Determining the Leaf Emissivity of Three Crops by Infrared Thermometry. *Sensors* 2015; 15 (5): 11387-11401
- Chen CL, Jian BL. Infrared thermal facial image sequence registration analysis and verification. *Infrared Physics & Technology* 2015; 69: 1-6
- Chen C-Y, Weng Y-M, Chen J-C. Pneumocystis pneumonia infection in a survivor of paraquat intoxication. *Journal of Acute Medicine* 2017, 7 (2): 75-78.
- Chen CY, Yeh CH, Chang BR, Pan JM. 3D Reconstruction from IR Thermal Images and Reprojective Evaluations. *Mathematical Problems in Engineering* 2015, 520534
- Chen J, Feng ZL. IR-based Spot Weld NDT in Automotive Applications. in: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23, 2015, Baltimore MD, 2015, pp. 948513-948513-6*
- Chen J, Li W, Wang M, Guo X, Yang H, Zhu X, Lian K, Luo Y, Gu X. A novel Glycyrrhiza uralensis polysaccharide-glycinin conjugate synthesized by maillard reaction decreases the antigenicity of glycinin. *Biomedical Research (India)* 2017, 28 (2): 764-768.
- Chen J, Todd DM, Hocini M, Larsen TB, Bongiorni MG, Blomström-Lundqvist C. Current periprocedural management of ablation for atrial fibrillation in Europe: Results of the European Heart Rhythm Association survey. *Europace* 2014; 16 (3): 378-381.
- Chen J, Zhong B, Wang Y. Agranulocytosis induced by sinomenine hydrochloride. *American Journal of Case Reports* 2017, 18: 959-962.
- Chen K, Cui M Recent progress in the development of metal complexes as β -amyloid imaging probes in the brain. *MedChemComm* 2017, 8(7) 1393-1407.
- Chen K-C, Chu P. The Case: Hypomagnesemia with knee pain. *Kidney International* 2017, 91 (5): 1261-1262.
- Chen K-J, Chen T-H, Sue Y-M, Chen T-J, Cheng C-Y. High-volume plasma exchange in a patient with acute liver failure due to non-exertional heat stroke in a sauna. *Journal of Clinical Apheresis* 2014; 29 (5) 281-283.
- Chen M, Blumen HM, Izzetoglu M, Holtzer R. Spatial Coregistration of Functional Near-Infrared Spectroscopy to Brain MRI. *Journal of Neuroimaging* 2017, 27 (5): 453-460.
- Chen Q, Liang C, Sun X, Chen J, Yang Z, Zhao H, Feng L, Liu Z. H₂O₂-responsive liposomal nanoprobe for photoacoustic inflammation imaging and tumor theranostics via in vivo chromogenic assay. *Proceedings of the National Academy of Sciences of the United States of America* 2017, 114(21) 5343-5348.
- Chen Q, Shang W, Zeng C, Wang K, Liang X, Chi C, Liang X, Yang J, Fang C, Tian J. Theranostic imaging of liver cancer using targeted optical/MRI dual-modal probes. *Oncotarget* 2017, 8 (20): 32741-32751.
- Chen S. Research on potential pathological knee diagnosis for undergraduates by infrared image analysis. *Journal of Medical Imaging and Health Informatics* 2014; 4 (5) 793-796.
- Chen T-H, Chen W-P, Wang M-JJ. The effect of air permeability and water vapor permeability of cleanroom clothing on physiological responses and wear comfort. *Journal of Occupational and Environmental Hygiene* 2014; 11 (6): 366-376.
- Chen TYF, Kuo MH. Conversion of Infrared grey-level image into temperature field by polynomial curve fitting. in: Tan J, Wen X, eds, *Proceedings of SPIE 9th International Symposium on Precision Engineering Measurements and Instrumentation (ISPEMI) Aug 08-10-2014 Changsha, China, 2015; 94461B-94461B-4*
- Chen W, Druzak SA, Wang Y, Josephson CD, Hoffmeister KM, Ware J, Li R. Refrigeration-induced binding of von willebrand factor facilitates fast clearance of refrigerated platelets. *Arteriosclerosis Thrombosis and Vascular Biology* 2017, 37 (12): 2271-2279.
- Chen W-J, Huang F-YJ, Chang H-Y, Lee T-W, Chang C-W, Lo J-M. The novel preparation of 99mTc(I)- labeled

human serum albumin (HSA) nanoparticles as a SPECT imaging agent. *Journal of Radioanalytical and Nuclear Chemistry* 2016; 307 (1) 141-150

Chen X, Lee D, Yu S, Kim G, Lee S, Cho Y, Jeong H, Nam K.T, Yoon J. In vivo near-infrared imaging and phototherapy of tumors using a cathepsin B-activated fluorescent probe. *Biomaterials* 2017, 122: 130-140.

Chen X, Zhang J. Imaging informatics based on method of MR temperature measurement in high- intensity focused ultrasound. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 9039, Art.No. 90390S.

Chen Y, Islam A, Abraham P, Deuster P. Single-dose oral quercetin improves redox status but does not affect heat shock response in mice. *Nutrition Research* 2014; 34 (7) 623-629.

Chen Y, Kwok KW, Ge J, Hu Y, Fok M, Nilsson KR, Tse ZTH. Augmented reality for improving catheterization in magnetic resonance imaging-guided cardiac electrophysiology therapy. *Journal of Medical Devices, Transactions of the ASME* 2014, 8 (2) art. no. 020917 .

Chen Y-C, Hung M-S, Chang C-H, Liu C-Y, Chen P-C, Hsiao C-T, Yang Y-H. Major interventions are associated with survival of out of hospital cardiac arrest patients - A population based survey. *Signa Vitae* 2017, 13(2) 108-115.

Chen Y-C, Tu Y-K, Zhuang J-Y, Tsai Y-J, Yen C-Y, Hsiao C-K. Evaluation of the parameters affecting bone temperature during drilling using a three-dimensional dynamic elastoplastic finite element model. *Medical and Biological Engineering and Computing* 2017, 55(11) 1949-1957.

Cheng B, Zhang Y, Tong B, Yin H. Influence of Selenium on the Production of T-2 Toxin by *Fusarium poae*. *Biological Trace Element Research* 2017, 178 (1): 147-152.

Cheng C-C, Lee D. Smart sensors enable smart air conditioning control. *Sensors (Basel Switzerland)* 2014; 14 (6): 11179-11203.

Cheng H, Chi C, Shang W, Rengaowa S, Cui J, Ye J, Jiang S, Mao Y, Zeng C, Huo H, Chen L, Tian J. Precise integrin-targeting near-infrared imaging-guided surgical method increases surgical qualification of peritoneal carcinomatosis from gastric cancer in mice. *Oncotarget* 2017, 8 (4): 6258-6272.

Chernomordik V, Amyot F, Kenney K, Wassermann E, Diaz-Arrastia R, Gandjbakhche A. Abnormality of low frequency cerebral hemodynamics oscillations in TBI population. *Brain Research* 2016; 1639 194-199

Chernov G, Chernov V, Davila-Peralta C, Rodriguez-Carvajal R, Barboza Flores M. 3D infrared thermography system for biomedical applications (extended abstract). *Thermology international* 2015, 25(3) 98

Cheung VTF, Joshi D, Amin Z, Webster GJ. Fever and right upper quadrant pain in a 24-year-old male *Gut* 2014; 63 (10): 1606 and 1625.

Cheyuo C, Grand W, Balos LL. Near-Infrared Confocal Laser Reflectance Cytoarchitectural Imaging of the Substantia Nigra and Cerebellum in the Fresh Human Cadaver. *World Neurosurgery* 2017, 97: 465-470.

Chia W-L, Kuo K-N, Lin S-H. Synthesis and thermotropic studies of two novel series of kinked liquid crystals: 2-(4'-alkoxybiphen-4-yl)-6-methylquinolines and 2-(6-alkoxynaphthalen-2-yl)-6-methylquinolines. *International Journal of Molecular Sciences* 2014; 15 (5): 7579-7593.

Chiang M-C, Jong Y-J, Lin C-H. Therapeutic hypothermia for neonates with hypoxic ischemic encephalopathy. *Pediatrics and Neonatology* 2017, 58 (6): 475-483.

Chien L-C, Yu H-L. Impact of meteorological factors on the spatiotemporal patterns of dengue fever incidence. *Environment International* 2014; 73, 46-56.

Childs C, Wang L, Neoh BK, Goh HL, Zu MM, Aung PW, Yeo TT. Multi-parameter brain tissue microsensor and interface systems: Calibration reliability and user experiences of pressure and temperature sensors in the setting of neurointensive care. *Journal of Medical Engineering and Technology* 2014; 38 (7): 339-350.

Chin JL, Billia M, Relle J, Roethke MC, Popeneciu IV, Kuru TH, Hatiboglu G, Mueller-Wolf MB, Motsch J, Romagnoli C, Kassam Z, Harle CC, Hafron J, Nandalur KR, Chronik BA, Burtnyk M, Schlemmer H-P, Pahernik S. Magnetic Resonance Imaging-Guided Transurethral Ultrasound Ablation of Prostate Tissue in Patients with Localized Prostate Cancer: A Prospective Phase 1 Clinical Trial. *European Urology* 2016; 70 (3) 447-455

Chindarkar NS, Rentmeester LL, Ly BT, Fitzgerald RL. Black urine due to urobilinogen in a patient with alcoholic pellagra. *Clinical Biochemistry* 2014; 47 (12) 1132-1135.

Chirombo J, Lowe R, Kazembe L. Using structured additive regression models to estimate risk factors of malaria: Analysis of 2010 Malawi malaria indicator survey data. *PLoS ONE* 2014; 9 (7), art. no. e101116.

Chittawatanarat K, Morakul S, Thawitsri T, Permpikul C, Chaiwat O, Kongsayreepong S, Vorrakitpokatorn P, W ilaichone W, Bunburaphong T, Saengchote W, Morakul S, Thawitsri T, Sitthipan C, Sombunvibul W, Chatrkaw P, Poonyathawon S, W atanathum A, Fuengfoo P, Sataworn D, Wongsa A, Piyavechviratana K, Rungruanghiranya S, Pothirat C, Deesomchok A, Patjanasontorn B, Bhurayanontachai R, Champunut R, Chuachamsai N, Thongchai C. Non- cardiopulmonary monitoring in thai-ICU (ICU-RESOURCE I study). *Journal of the Medical Association of Thailand* 2014; 97 (1 SUPPL. 1): S31-S37.

Cho C-H, Wust P. Hyperthermia in gynaecological oncology [Hyperthermie in der gynäkologischen Onkologie].

Gynakologische Praxis 2014; 38 (1) 85-100.

Cho CW, Nahm FS, Choi E, Lee P-B, Jang I-K, Lee CJ, Kim YC, Lee SC. Multicenter study on the asymmetry of skin temperature in complex regional pain syndrome: An examination of temperature distribution and symptom duration. *Medicine (United States)* 2016; 95 (52), art no e5548

Cho Y, Julier SJ, Marquardt N, Bianchi-Berthouze N Robust tracking of respiratory rate in high dynamic range scenes using mobile thermal imaging. *Biomedical Optics Express* 2017, 8(10) 4480-4503.

Cho YK, Ham Y, Golpavar-Fard M. 3D as-is building energy modeling and diagnostics: A review of the state-of-the-art. *Advanced Engineering informatics* 2015; 29(2): 184-195

Cho YS, Choi YH. Comparison of three cooling methods for burn patients: A randomized clinical trial. *Burns* 2017, 43 (3): 502-508.

Choi HJ, Kim T-J, Lee Y-Y, Lee J-W, Kim B-G, Bae D-S. Time-lapse imaging of sentinel lymph node using indocyanine green with near-infrared fluorescence imaging in early endometrial cancer. *Journal of Gynecologic Oncology* 2016; 27 (3), art no e27 2016; 2 p

Choi J-H, Nam S-H, Song Y-S, Lee H-W, Lee H-J, Song K, Hong J-W, Kim G-C. Treatment with low- temperature atmospheric pressure plasma enhances cutaneous delivery of epidermal growth factor by regulating E-cadherin-mediated cell junctions. *Archives of Dermatological Research* 2014; 306 (7): 635-643.

Choi S, Birarda G. Protein Mixture Segregation at Coffee-Ring: Real-Time Imaging of Protein Ring Precipitation by FTIR Spectromicroscopy. *The Journal of Physical Chemistry. B* 2017, 121(30) 7359-7365.

Choi SH, Choi J, Kim JY. Nondestructive Testing System with Heat Transfer Characteristics in Composite Materials. *International Journal of Precision Engineering and Manufacturing* 2015; 16(7): 1583-1589

Choi SH, Han JH, Kim JY., Convergence non-destructive evaluation system for the parts and materials. *Materials Research innovations* 2015; 19(Supp. 5): 1219-1223

Choi SH, Kim JY. Convergence Non-Destructive Evaluation System Apply Infrared Thermography Technique. *Journal of Computational and Theoretical Nanoscience* 2015; 12 (5): 880-885

Choi TY, Denton ML, Noojin GD, Estlack LE, Shrestha R, Rockwell BA, Thomas R, Kim D. Thermal evaluation of laser exposures in an in vitro retinal model by microthermal sensing. *Journal of Biomedical Optics* 2014; 19 (9) Art. No. 097003.

Chojnowski M. Infrared thermal imaging in connective tissue diseases. *Reumatologia* 2017, 55 (1): 38-43.

Cholewka A, Kapek L, Szlag M, Wojcieszek P, Kellas-Sleczka S, Stanek A, Sieron-Stoltny K, Slosarek K, Biawas B, Cholewka A. The use of thermal imaging in evaluation of brachytherapy effects in basal cell carcinoma. *Thermology international* 2017; 27 (2) 72

Cholewka A, Stanek A, Kwiatek S, Cholewka A, Cieślak G, Straszak D, Gibińska J, Sieroń-Stoltny K. Proposal of thermal imaging application in photodynamic therapy-Preliminary report. *Photodiagnosis and Photodynamic Therapy* 2016; 14 34-39

Chopeř IV, Bratasiuk AM, Chopeř OI, Myhovych II, Hanynets' PP, Kanchi, VM, Bychko MM, Madi lulu. The value of transendoscopy thermometry of gastric mucosa in the evaluation of blood flow in patients with osteoarthritis and atherosclerosis by duplex ultrasound of extracranial brachiocephalic arteries

Christensen J, Matzen LH, Schou Sø, Væth M, Wenzel A. Is thermography useful for assessment of postoperative inflammation after surgical removal of mandibular third molars when methylprednisolone is administered and how does it correlate with patients' perception of swelling? *Journal of Oral and Maxillofacial Surgery* 2014; 72 (3): 463-469.

Chrobak L, Malinski M, Zakrzewski J. Simultaneous determination of the thermal diffusivity and a drum factor for CdSeMnTe crystals with the photoacoustic method. *Thermochimica acta* 2015; 606: 84-89

Chromy A, Klima O. A 3D scan model and thermal image data fusion algorithms for 3D thermography in medicine. *Journal of Healthcare Engineering* 2017, art. no. 5134021.

Chu W, Staruch RM, Pichardo S, Tillander M, Köhler MO, Huang Y, Ylihautala M, McGuffin M, Czarnota G, Hynynen K. Magnetic resonance-guided high-intensity focused ultrasound hyperthermia for recurrent rectal cancer: MR thermometry evaluation and preclinical validation. *International Journal of Radiation Oncology Biology Physics* 2016; 95 (4) 1259-1267

Chua EC-P, Yeo S-C, Lee IT-G, Tan L-C, Lau P, Cai S, Zhang X, Puvanendran K, Gooley JJ. Sustained attention performance during sleep deprivation associates with instability in behavior and physiologic measures at baseline. *Sleep* 2014; 37 (1): 27-39.

Chudecka M, Lubkowska A, Kempieńska-Podhorodecka A. Body surface temperature distribution in relation to body composition in obese women. *Journal of Thermal Biology* 2014; 43 (1): 1-6.

Chudecka M, Lubkowska A, Leznicka K, Krupecki K. The Use of Thermal Imaging in the Evaluation of the Symmetry of Muscle Activity in Various Types of Exercises (Symmetrical and Asymmetrical). *Journal of Human Kinetics* 2015; 49(1):141-147

Chudecka M, Lubkowska A. Thermal Imaging of Body Surface Temperature Distribution in Women with Anorexia

Nervosa. *European Eating Disorders Review* 2016; 24 (1) 57-61

Chudecka M, Lubkowska A. Thermal maps of young women and men. *Infrared Physics & Technology* 2015; 69: 81-87

Chudecka M, Zaborski D, Lubkowska A, Grzesiak W, Klimek A, Modrzejewski A. Temperature changes in selected areas of body surface induced by systemic cryostimulation. *Aviation Space and Environmental*

Chulkov AO, Gaverina L, Pradere C, Batsale JC, Vavilov VP. P, Water detection in honeycomb composite structures using terahertz thermography. *Russian Journal of Nondestructive Testing* 2015; 51 (8): 520-523

Chulkov AO, Vavilov VP. Comparing thermal stimulation techniques in Infrared thermographic inspection of corrosion in steel. in: *IOP Conference Series: Materials Science and Engineering*. IOP Publishing, 2015. pp. 012100.

Ciampa F, Angioni SL, Pinto F, Scarselli G, Almond DP, Meo M. Modeling of Thermal Wave Propagation in Damaged Composites with Internal Source. in Shull PJ, ed. *Proceedings of SPIE Conference on Structural Health Monitoring and inspection of Advanced Materials Aerospace and Civil Infrastructure, MAR 09-12 2015 San Diego CA, 2015; 9437- 943709*

Cichocki B, Dugat D, Payton M. Agreement of axillary and auricular temperature with rectal temperature in systemically healthy dogs undergoing surgery. *Journal of the American Animal Hospital Association* 2017, 53(6) 291-296.

Cikman O, Ozkan OF, Adam G, Tas S, Ademoglu S, Karaayvaz M. A rare reason of mechanical intestinal obstruction; phytobezoar images for clinicians [Mekanik barsak tıkanıklığının nadir bir nedeni: Fitobezoar]. *European Journal of General Medicine* 2014; 11 (4): 275-277.

Cimina S, Wang CL, Wang L, Niro A, Sunden B. Experimental study of pressure drop and heat transfer in a u-bend, channel with various guide vanes and ribs. *Journal of Enhanced Heat Transfer* 2015; 22 (1): 29- 45

Ciris PA, Cheng C-C, Mei C-S, Panych LP, Madore B. Dual-Pathway sequences for MR thermometry: When and where to use them. *Magnetic Resonance in Medicine* 2017, 77 (3): 1193-1200.

Ciris PA, Cheng C-C, Mei C-S, Panych LP, Madore B. Dual-Pathway sequences for MR thermometry: When and where to use them. *Magnetic Resonance in Medicine Article in Press*

Ciumas C, Schaeffers G, Bouvard S, Tailhades E, Perrin E, Comte J.-C, Canet-Soulas E, Bonnet C, Ibarrola D, Polo G, Moya J, Beuf O, Ryvlin P. A phantom and animal study of temperature changes during fMRI with intracerebral depth electrodes. *Epilepsy Research* 2014; 108 (1): 57-65.

Claoston N, Samsuri AW, Ahmad Husni MH, Mohd Amran MS. Effects of pyrolysis temperature on the physicochemical properties of empty fruit bunch and rice husk biochars. *Waste Management and Research* 2014; 32 (4): 331-339.

Clay-Warner J, Robinson DT. Infrared Thermography as a Measure of Emotion Response. *Emotion Review* 2015; 7 (2): 157-162

Cleary MA, Toy MG, Lopez RM. Thermoregulatory cardiovascular and perceptual responses to intermittent cooling during exercise in a hot humid outdoor environment. *Journal of Strength and Conditioning Research* 2014; 28 (3): 792-806.

Clemente M, Correia R, Coimbra D, Vardasca R, Gabriel J. The contribution of medical thermal imaging in the study of Temporomandibular disorders (TMD) disorders in clarinet players (extended abstract).

Clemente M, Correia R, Coimbra D, Vardasca R, Gabriel J. The contribution of medical thermal imaging in the study of Temporomandibular disorders (TMD) disorders in clarinet players (extended abstract). *Thermology international* 2015, 25(3) 115-116

Cloutier JM, Liu S, Hiebert B, Tam JW, Seifer CM. Relationship of Extreme Cold Weather and Implantable Cardioverter Defibrillator Shocks. *American Journal of Cardiology* 2017, 120 (6): 1002-1007.

Cluni F Costarelli D, Minotti AM, Vinti G. Enhancement of thermographic images as tool for structural analysis in earthquake engineering. *NDT & E International* 2015; 70: 60-72

Co MLF, Agdamag AC, Mateo RC, Williams KA. An easy miss: Aortic dissection in a 'healthy' male. *BMJ Case Reports* 2017, art. no. 221616.

Coate EA, Kocsis AG, Peters KN, Anderson PE, Ellersieck MR, Fine DM, Anderson DM. Remote monitoring of the progression of primary pneumonic plague in Brown Norway rats in high-capacity high- containment housing. *Pathogens and Disease* 2014; 71 (2): 263-273.

Çoban B, Dolgun A. A comparison of axillary with infrared tympanic and non-contact infrared thermometry [Koltukaltı vücut sıcaklığı ölçümü ile timpanik kızılötesi termometre ve temassız kızılötesi termometre ile ölçümlerinin karşılaştırılması]. *Cocuk Enfeksiyon Dergisi* 2016; 10 (3) 82-85

Cocchi MN, Boone MD, Giberson B, Giberson T, Farrell E, Salciccioli JD, Talmor D, Williams D, Donnino MW. Fever after rewarming: Incidence of pyrexia in postcardiac arrest patients who have undergone mild therapeutic hypothermia *Journal of Intensive Care Medicine* 2014; 29 (6): 365- 369.

Coffey RJ, Kalin R, Olsen JM. Magnetic resonance imaging conditionally safe neurostimulation leads: Investigation

of the maximum safe lead tip temperature. *Neurosurgery* 2014; 74 (2) 215- 224.

Cohen Y, Alchanatis V, Sela E, Saranga Y, Cohen S, Meron M, Bosak A, Tsipris J, Ostrovsky V, Orolov V, Levj A, Brikman R. Crop water status estimation using thermography: multi-year model development using ground-based thermal images. *Precision Agriculture* 2015; 16 (3): 311-329

Cole C, Turnbull C, Eardley W, Hunt P. Force protection in contingency operations: an evaluation of temperature monitoring in Sierra Leone. *Journal of the Royal Army Medical Corps* 2016; 162 (3) 176-179

Coleman WP. Commentary on Inexpensive Device and App for Monitoring Temperature of Neuromodulator Storage. *Dermatologic Surgery* 2017, 43 (3), p. 473.

Colen RR, Sahnouné I, Weinberg JS. Neurosurgical Applications of High-Intensity Focused Ultrasound with Magnetic Resonance Thermometry. *Neurosurgery Clinics of North America* 2017, 28 (4): 559-567.

Colodron AS, Moreira DG, Sillero-Quintana M. Effect of anti-inflammatory cream on soccer players skin temperature (abstract). *Thermology international* 2017; 27 (2) 76

Colombo C, Carrado A, Palkowski H, Vergani L. Impact behaviour of 3-layered metal-polymer-metal sandwich panels. *Composite Structures* 2015; 133: 140-147

Colvin J, Zaidi N, Berber E. The utility of indocyanine green fluorescence imaging during robotic adrenalectomy. *Journal of Surgical Oncology* 2016; 114 (2) 153-156

Composite Structures 2015; 127: 231-244

Concheiro M, Baumann MH, Scheidweiler KB, Rothman RB, Marrone GF, Huestis MA. Nonlinear pharmacokinetics of (\pm)3,4-methylenedioxymethamphetamine (MDMA) and its pharmacodynamic consequences in the rat. *Drug Metabolism and Disposition* 2014; 42 (1) 119-125.

Congratulations to Francis Ring. *Thermology international* 2015, 25(3) 218-221

Considine J, Jones D, Pilcher D, Currey J. Patient physiological status during emergency care and rapid response team or cardiac arrest team activation during early hospital admission. *European Journal of Emergency Medicine* 2017, 24 (5): 359-365.

Contou D, d'Ythurbide G, Messika J, Ridet C, Parrot A, Djibré, M, Hertig A, Rondeau E, Fartoukh M. Description and predictive factors of infection in patients with chronic kidney disease admitted to the critical care unit. *Journal of Infection* 2014; 68 (2): 105-115.

Contreras C, González-García I, Seoane-Collazo P, Martínez-Sánchez N, Liñares-Pose L, Rial-Pensado E, Fernø, J, Tena-Sempere M, Casals N, Diéguez C, Nogueiras R, López M. Reduction of hypothalamic endoplasmic reticulum stress activates browning of white fat and ameliorates obesity. *Diabetes* 2017, 66 (1): 87-99.

Conwell TD, Lind KE. Comparison of the Diagnostic Accuracy of Three Infrared Imaging Methods In Evaluating Patients With Presumptive Complex Regional Pain Syndrome, Type 1. *Thermology international* 2015, 25(2) 54-63

Conwell TD, Lind KE. Comparison of the Diagnostic Accuracy of Three Infrared Imaging Methods in Evaluating Patients with Presumptive CRPS (extended abstract). *Thermology international* 2015, 25(3) 123-124.

Cook NI, Chabot B, Luj T, Bench CI, Schaefer AL. Infrared thermography detects febrile and behavioural responses to vaccination of weaned piglets. *Animal* 2015; 9 (2): 339-346

Cooperstein R, Young M. Mapping intended spinal site of care from the upright to prone position: An interexaminer reliability study. *Chiropractic and Manual Therapies* 2014; 22 (1), art. no. 20.

Coppler PJ, Marill KA, Okonkwo DO, Shutter LA, Dezfulian C, Rittenberger JC, Callaway CW, Elmer J. Concordance of Brain and Core Temperature in Comatose Patients after Cardiac Arrest. *Therapeutic Hypothermia and Temperature Management* 2016; 6 (4) 194-197

Cordeiro LMS, Guimarães JB, Wanner SP, La Guardia RB, Miranda RM, Marubayashi U, Soares DD. Inhibition of tryptophan hydroxylase abolishes fatigue induced by central tryptophan in exercising rats. *Scandinavian Journal of Medicine and Science in Sports* 2014; 24 (1) 80-88.

Corigliano P, Crupj V, Fricke W, Friedrich N, Guglielmino E. Experimental and numerical analysis of fillet- welded joints under low-cycle fatigue loading by means of full-field techniques. *Proceedings of The Institution of Mechanical Engineers Part C-Journal of, Mechanical Engineering Science* 2015; 229 (7): 1327-1338

Corkrey R, McMeekin TA, Bowman JP, Ratkowsky DA, Olley J, Ross T. Protein thermodynamics can be predicted directly from biological growth rates. *PLoS ONE* 2014; 9 (5) Art. No. e96100.

Corrigendum: Referenceless MR thermometry - A comparison of five methods (2017 *Phys. Med. Biol.* 62 1-16). *Physics in Medicine and Biology* 62 (8): 3375-3377.

Corsi C, New frontiers for Infrared. *Opto-Electronics Review* 2015; 23 (1): 1-23

Cortés PA, Franco M, Moreno-Gómez FN, Barrientos K, Nespolo RF. Thermoregulatory capacities and torpor in the South American marsupial *Dromiciops gliroides*. *Journal of Thermal Biology* 2014; 45, 1-8.

Costa CMA, Sillero-Quintana M, Piñonosa Cano S, Moreira DG, Brito CJ, Fernandes AA, Pussieldi GA, Marins JCB. Daily oscillations of skin temperature in military personnel using thermography. *Journal of the Royal Army Medical Corps* 2016; 162 (5) 335-342

- Costa KA, Soares ADN, Wanner SP, Santos RG.C, Fernandes SOA, Martins FS, Nicoli JR, Coimbra C, Cardoso VN. L-arginine supplementation prevents increases in intestinal permeability and bacterial translocation in male swiss mice subjected to physical exercise under environmental heat stress. *Journal of Nutrition* 2014; 144 (2): 218-223.
- Costanzo A, Minasi M, Casula G, Musacchio M, Buongiorno MF. Combined Use of Terrestrial Laser Scanning and IR Thermography Applied to a Historical Building. *Sensors*, 2015; 15 (1): 194-213
- Costello JT, Donnelly AE, Karki A, Selfe J. Effects of whole body cryotherapy and cold water immersion on knee skin temperature. *International Journal of Sports Medicine* 2014; 35 (1): 35-40.
- Costello JT, Stewart KL, Stewart IB. Inside the 'Hurt Locker': The Combined Effects of Explosive Ordnance Disposal and Chemical Protective Clothing on Physiological Tolerance Time in Extreme Environments.
- Cotic P, Kolaric D, Bosilikov VB, Bosilikov V, Jaglicic Z. Determination of the applicability and limits of void and delamination detection in concrete structures using Infrared thermography. *NDT & E International* 2015; 74: 87-93
- Cotrim CC, Toscano L, Messias A, Jorge R, Siqueira RC. Intravitreal use of bone marrow mononuclear fraction containing CD34+ stem cells in patients with atrophic age-related macular degeneration. *Clinical Ophthalmology* 2017, 11: 931-938.
- Cotter JD, Tipton MJ. Moving in extreme environments: What's extreme and who decides? *Extreme Physiology and Medicine* 2014; 3 (1), art. no. 11.
- Cour M, Jahandiez V, Loufouat J, Ovize M, Argaud L. Minor Changes in Core Temperature Prior to Cardiac Arrest Influence Outcomes: An Experimental Study. *Journal of Cardiovascular Pharmacology and Therapeutics* 2014; 20 (4): 407-413.
- Courivaud F, Kazaryan AM, Lund A, Orszagh VC, Svindland A, Marangos IP, Halvorsen PS, Jebsen P, Fosse E, Hol PK, Edwin B. Thermal fixation of swine liver tissue after magnetic resonance-guided high- intensity focused ultrasound ablation. *Ultrasound in Medicine and Biology* 2014; 40 (7) 1564-1577.
- Cox J, Kaes L, Martinez M, Moles D. A Prospective Observational Study to Assess the Use of Thermography to Predict Progression of Discolored Intact Skin to Necrosis among Patients in Skilled Nursing Facilities. *Ostomy Wound Management* 2016; 62 (10) 14-33
- Crabtree DR, Chambers ES, Hardwick RM, Blannin AK. The effects of high-intensity exercise on neural responses to images of food 1-3. *American Journal of Clinical Nutrition* 2014; 99 (2): 258- 267.
- Crake C, Meral FC, Burgess MT, Papademetriou IT, McDannold NJ, Porter TM. Combined passive acoustic mapping and magnetic resonance thermometry for monitoring phase-shift nanoemulsion enhanced focused ultrasound therapy. *Physics in Medicine and Biology* 2017, 62 (15): 6144-6163.
- Cramer MN, Jay O. Selecting the correct exercise intensity for unbiased comparisons of thermoregulatory responses between groups of different mass and surface area. *Journal of Applied Physiology* 2014; 116 (9): 1123-1132.
- Crampton D, Egaña M, Donne B, Warmington SA. Including arm exercise during a cold water immersion recovery better assists restoration of sprint cycling performance. *Scandinavian Journal of Medicine and Science in Sports* 2014; 24 (4): e290-e298.
- Crawford BK, Duncan GT, West DE, Saric WS. Robust automated processing of IR thermography for quantitative boundary-layer transition measurements. *Experiments in Fluids* 2015; 56 (7) 1-11.
- Crisologo PA, Lavery LA. Remote home monitoring to identify and prevent diabetic foot ulceration. *Annals of Translational Medicine* 2017, 5 (21), art. no. 430.
- Crozier I, Daly M, Lim G, Roper G. Esophageal Infrared thermography during atrial fibrillation ablation. *Heart Rhythm* 2015; 12 (11): 2362-2363
- Crupi V, Epasto G, Guglielmino E, Risitano G. Analysis of temperature and fracture surface of AISI4140 steel in very high cycle fatigue regime. *Theoretical and Applied Fracture Mechanics* 2015; 80: 22-30
- Crupi V, Epasto G, Guglielmino E, Risitano G. Thermographic method for very high cycle fatigue design in transportation engineering. *Proceedings of The Institution of Mechanical Engineers Part C-Journal of Mechanical Engineering Science* 2015; 229 (7): 1260-1270
- Crupi V, Guglielmino E, Risitano G, Tavilla F. Experimental analyses of SFRP material under static and fatigue loading by means of thermographic and DIC techniques. *Composites Part B-Engineering* 2015; 77: 268-277
- Cruz A, Marín P, Magan N, González-Jaén MT. Combined effects of benomyl and environmental factors on growth and expression of the fumonisin biosynthetic genes FUM1 and FUM19 by *Fusarium verticillioides*. *International Journal of Food Microbiology* 2014; 191, 17-23.
- Cruz CA jr, Lucci CM, Peripolli V, Silva AF, Menezes AM, Morais SRL, Araujo MS, Ribeiro LMCS, Mattos RC. Effects of testicle insulation on seminal traits in rams: Preliminary study. *Small Ruminant Research* 2015; 130: 157-165
- Cruz CA jr, Lucci CM, Peripolli V, Tanure CB, Ribeiro LMCS, Barbosa TM, Ramos AF, Louvandini H, McManus C. Laser and thermographic Infrared temperatures associated with heat tolerance in adult rams. *Small Ruminant*

Research 2015; 132: 86-91

Cryobiology 2014; 69 (2): 323-332.

Cuaderes E, DeShea L, Lyndon Lamb W. Weight-bearing exercise and foot health in native. *Americans Care Management Journals* 2014; 15 (4): 184-195.

Cuddy JS, Hailes WS, Ruby B.C. A reduced core to skin temperature gradient not a critical core temperature affects aerobic capacity in the heat. *Journal of Thermal Biology* 2014; 43 (1): 7-12.

Cui F, Dong S, Shi X, Zhao X, Zhang X-H. Overexpression and characterization of a novel thermostable β -agarase YM01-3, from marine bacterium *Catenovulum agarivorans* YM01T. *Marine Drugs* 2014; 12 (5) 2731-2747.

Cui ZQ, Yang HW, Wang WX, Yan ZF, Ma ZZ, Xu BS, Xu HY. Research on fatigue crack growth behavior of AZ31B magnesium alloy electron beam welded joints based on temperature distribution around the crack tip. *Engineering Fracture Mechanics* 2015; 133: 14-23.

Cunha BA, Apostolopoulou A, Gian J. Fever of unknown origin (FUO) due to miliary BCG: The diagnostic importance of morning temperature spikes and highly elevated ferritin levels. *Heart and Lung: Journal of Acute and Critical Care* 2017, 46 (3): 205-207.

Cunniffe B, Ellison M, Loosemore M, Cardinale M. Warm-up practices in elite boxing athletes: Impact On power output. *Journal of Strength and Conditioning Research* 2017, 31 (1): 95-105.

Cunningham F, Dean K, Hanson-Dorr K, Harr K, Healy K, Horak K, Link J, Shriner S, Bursian S, Dorr B. Development of methods for avian oil toxicity studies using the double crested cormorant (*Phalacrocorax auritus*). *Ecotoxicology and Environmental Safety* 2017, 141: 199-208.

Curkovic S, Antabak A, Haluzan D, Luetic T, Prlic I, Sisko J. Medical thermography (Digital Infrared Thermal Imaging -DITI) in paediatric forearm fractures -A pilot study. *Iniury* 2015; 46: S36-S39

Cutolo M, Ruaro B, Pizzorni C, Ravera F, Smith V, Zampogna G, Paolino S, Serio B, Cimmino M, Sulli A. Longterm treatment with endothelin receptor antagonist bosentan and iloprost improves fingertip blood perfusion in systemic sclerosis. *Journal of Rheumatology* 2014; 41 (5): 881-886.

Cutti AG. Assessment of lower limb prosthesis through wearable sensors and thermography. *Sensors (Basel Switzerland)* 2014; 14 (3): 5041-5055.

Cwynar P, Kolacz R, Czerski A. Effect of heat stress on physiological parameters and blood composition in Polish Merino rams. *Berliner und Münchener tierärztliche Wochenschrift* 2014; 127 (5-6) 177-182.

Czapla N, Łokaj M, Falkowski A, Prowans P. The use of thermography to design tissue flaps- experimental studies on animals. *Wideochirurgia I Inne Techniki Maloinwazyjne* 2014; 9 (3): 319- 328.

D. Thermoregulatory responses during thermal acclimation in pigs divergently selected for residual feed intake. *International Journal of Biometeorology* 2014; 58 (7) 1545- 1557.

D. Tissue hemoglobin monitoring is unable to follow variations of arterial hemoglobin during transitions from pulsatile to constant flow in cardiac surgery. *Journal of Cardiothoracic and Vascular Anesthesia* 2014; 28 (3) 668-673.

D'Arbo Alves ML, Gabarra MHC. Comparison of power doppler and thermography for the selection of thyroid nodules in which fine-needle aspiration biopsy is indicated [Comparação entre power Doppler e termografia na seleção de nódulos tireoidianos com indicação de punção aspirativa]. *Radiologia Brasileira* 2016; 49 (5) 311-315

Da Matta Sellani GFR, Valois C, Pereira WCD, Machado CB. Thermographic Analysis of Block and Cylindrical Bone Phantoms and in Vitro Human Bone Samples after Therapeutic Ultrasound Stimulation. In: 6th European Conference of the International Federation for Medical and Biological Engineering 2015, pp. 192-195

Da Silva LB, Karshenas A, Bach FW, Rasmussen S, Arendt-Nielsen L, Gazerani P. Blockade of glutamate release by botulinum neurotoxin type A in humans: A dermal microdialysis study. *Pain Research and Management* 2014; 19 (3): 126-132.

Da Silva TPN, Pandorfj H, Guiselini C. Energy balance in the poultry-shed system and its influence on broiler performance. *Engenharia agricola* 2015; 35 (4): 613-624

da Silveira Ferrão VH, Brioschi ML, Jacobsen Teixeira M. Cutaneous infrared thermography and its applicability in chronic pain originating in the abdominal wall after laparotomy and hernioplastias (inguinodinia): cases report (extended abstract). *Thermology international* 2014; 24(1) 21-22

Dadakova T, Gellermann J, Voigt O, Korvink JG, Pavlina JM, Hennig J, Bock M. Fast PRF-based MR thermometry using double-echo EPI: in vivo comparison in a clinical hyperthermia setting. *Magnetic Resonance Materials in Physics Biology and Medicine* 2015; 28 (4): 305-314

Dadarlat D, Streza M, Onija O, Prejmerean C, Silaghi-Dumitrescu L, Cobirzan N, Strzalkowski K. Complementary photothermal techniques for complete thermal characterization of porous and semi-transparent solids. *Journal of Thermal Analysis and Calorimetry* 2015; 119 (1): 301-308

Dadpay M, Ghayoumi Zadeh H, Danaeian M, Namdari F, Rezakhaniha B. Evaluation of thermal imaging system of the scrotum in patients with varicocele. *Iranian Journal of Public Health* 2017, 46 (12): 1742-1743.

Daffara C, Parisotto S, Mariotti PI. [Mid-Infrared thermal imaging for an effective mapping of surface materials and](#)

- sub-surface detachments in mural paintings: integration of thermography and thermal quasi- reflectography. In: Pezzati L, Targowski P, eds, Proceedings of SPIE Conference on Optics for Arts Architecture and Archaeology V, JUN 24-25, 2015, Munich Germany, 2015; 9527
- Dagher J, Reese T, Bilgin A. High-resolution large dynamic range field map estimation. *Magnetic Resonance in Medicine* 2014; 71 (1): 105-117.
- Dahyot-Fizelier C, Lamarche S, Kerforne T, Bénard T, Giraud B, Bellier R, Carise E, Frasca D, Mimoz O. Accuracy of Zero-Heat-Flux Cutaneous Temperature in Intensive Care Adults. *Critical Care Medicine* 2017, 45 (7): e715-e717.
- Dai F, Cogi NH, Heinzl EUL, Dalla Costa E, Canali E, Minero M. Validation of a fear test in sport horses using infrared thermography. *Journal of Veterinary Behavior-Clinical Applications and Research* 2015; 10 (2): 128-136
- Dai Q, Liang Q, Hu Y, Meng F, Li J, Hou L, Zhou H, Chu K, Hu X, Tang R, Wang W, Hu J, Huang H, Li Z, Yang S, Zhu F. The early-onset febrile reaction following vaccination and associated factors: An exploratory sub-study based on the Ebola vaccine clinical trial. *Human Vaccines and Immunotherapeutics* 2017, 13 (6): 1441-1446.
- Dakappa PH, Prasad K, Rao SB, Bolumbu G, Bhat GK, Mahabala C. A Predictive Model to Classify Undifferentiated Fever Cases Based on Twenty-Four-Hour Continuous Tympanic Temperature Recording. *Journal of Healthcare Engineering* 2017, art. no. 5707162.
- Dal Corso A, Neri D Linker stability influences the anti-tumor activity of acetazolamide-drug conjugates for the therapy of renal cell carcinoma. *Journal of Controlled Release* 2017, 246: 39-45.
- Dallapiazza R, Khaled M, Eames M, Snell J, Lopes MB, Wintermark M, Elias WJ. Feasibility and Safety of MR-Guided Focused Ultrasound Lesioning in the Setting of Deep Brain Stimulation. *Stereotactic and Functional Neurosurgery* 2015; 93 (2): 140-146
- Dalmaso Neto C, Brioschi ML, Jacobsen Teixeira M. Cutaneous infrared thermometry in aid to differential diagnosis of chronic pain and neurogenic pain - case report (extended abstract). *Thermology international* 2014; 24(1) 15
- Dalmau A, Catanese B, Rafel O, Rodriguez P, Fuentes C, Llonch P, Mainau E, Velarde A, Ramon J, Taberner E, Lopez-Bejar M, Piles M. Effect of high temperatures on breeding rabbit behaviour. *Animal Production Science* 2015; 55 (9): 1207-1214
- Damaggio AS, Gorman MR. Circadian phase determines effects of repeated ethanol vapor exposure and withdrawal on body temperature and activity rhythms of male mice. *Alcoholism: Clinical and Experimental*
- D'Amato G, Vitale C, Rosario N, Neto HJC, Chong-Silva DC, Mendonça F, Perini J, Landgraf L, Solé, D, Sánchez-Borges M, Anotegui I, D'Amato M. Climate change allergy and asthma and the role of tropical forests. *World Allergy Organization Journal* 2017, 10 (1), art. no. 11.
- Dananché, C, Bénet T, Vanhems P. Ebola: Fever definitions might delay detection in non- epidemic areas *The Lancet* 2014; 384 (9956), p. 1743.
- Dang BN, Dowell CH. Factors associated with heat strain among workers at an aluminum smelter in Texas *Journal of Occupational and Environmental Medicine* 2014; 56 (3): 313-318.
- Daniels B, Schmidt S, King T, Israel-Ballard K, Mansen K.A, Coutoudis A. The effect of simulated flash-heat pasteurization on immune components of human milk. *Nutrients* 2017, 9(2) Article Number: 178.
- Danielski I, Fröling M. Diagnosis of Buildings' Thermal Performance-A Quantitative Method Using Thermography Under Non-Steady State Heat Flow. *Energy Procedia* 2015, 83, 320-329.
- Danish M, Khanday WA, Hashim R, Sulaiman NSB, Akhtar MN, Nizami M. Application of optimized large surface area date stone (*Phoenix dactylifera*) activated carbon for rhodamin B removal from aqueous solution: Box- Behnken design approach. *Ecotoxicology and Environmental Safety* 2017, 139: 280-290.
- Darocho T, Majkowski J, Sanak T, Podsiadło P, Kosiński S, Sałapa K, Mazur P, Ziętkiewicz M, Gałązkowski R, Krzych Ł, Drwiła R. Measuring core temperature using the proprietary application and thermo-smartphone adapter. *Journal of Clinical Monitoring and Computing* 2017, 31 (6): 1299-1304.
- Darocho T, Majkowski J, Sanak T, Podsiadło P, Kosiński S, Sałapa K, Mazur P, Ziętkiewicz M, Gałązkowski R, Krzych Ł, Drwiła R. Measuring core temperature using the proprietary application and thermo-smartphone adapter. *Journal of Clinical Monitoring and Computing* 1-6 Article in Press
- Darvall J, Vijayakumar R, Leslie K. Prewarming neurosurgical patients to minimize hypotension on induction of anesthesia: a randomized trial [Réchauffement préopératoire des patients neurochirurgicaux pour minimiser l'hypotension lors de l'induction de l'anesthésie: une étude randomisée]. *Canadian Journal of Anesthesia* 2016; 63 (5) 577-583
- Das J, Kumar S, Khanna S, Mehta Y. Re: Mani Menon Akshay Sood Mahendra Bhandari et al. Robotic kidney transplantation with regional hypothermia: A step-by-step description of the vattikuti urology institute-medanta technique (IDEAL Phase 2a). *Eur Urol* 2014; 65:991-1000. *European Urology* 2014; 65 (6): e87.
- Das Neves LMS, De Oliveira Guirro EC, De Almeida Albuquerque FL, Marcolino AM. Effects of high- voltage electrical stimulation in improving the viability of musculocutaneous flaps in rats. *Annals of Plastic Surgery* 2016; 77 (4) e50-e54

- Daskin JH, Bell S.C, Schwarzkopf L, Alford RA. Cool temperatures reduce antifungal activity of symbiotic bacteria of threatened amphibians - Implications for disease management and patterns of decline. *PLOS One* 2014; 9 (6), art. no. e100378.
- Datta NR, Ordonez SG, Gaipal US, Paulides MM, Crezee H, Gellermann J, Marder D, Puric E, Bodis S. Local hyperthermia combined with radiotherapy and/or chemotherapy: Recent advances and promises for the future. *Cancer Treatment Reviews* 2015; 41 (9): 742-753
- Datta NR, Pestalozzi B, Clavien P-A, Siebenhüner A, Puric E, Khan S, Mamot C, Riesterer O, Knuchel J, Reiner CS, Bodis S, Oliveira MD, Petrowsky H, Winder T, Guckenberger M, Lang S, Bauerfeind P, Bode B, Tschalèr O, Marder D, Roeren T, Grobholz R, Seifert B. 'HEATPAC' - A phase II randomized study of concurrent thermochemoradiotherapy versus chemoradiotherapy alone in locally advanced pancreatic cancer. *Radiation Oncology* 2017, 12 (1), art. no. 183.
- Datta NR, Rogers S, Ordóñez SG, Puric E, Bodis S. Hyperthermia and radiotherapy in the management of head and neck cancers: A systematic review and meta-analysis. *International Journal of Hyperthermia* 2016; 32 (1) 31-40
- Datta V. Therapeutic Hypothermia for Birth Asphyxia in Neonates. *Indian Journal of Pediatrics* 2017, 84(3) 219-226.
- Daud D, Arsad NFM, Ismail A, Tawang A. Anti-pyretic action of caulerpa lentillifera hibiscus rosa-sinensis and piper sarmentosum aqueous extract in mice. *Asian Journal of Pharmaceutical and Clinical Research* 2016; 9 (1) 145-147
- Davies DJ, Clancy M, Lighter D, Balanos GM, Lucas SJE, Dehghani H, Su Z, Forcione M, Belli A. Frequency-domain vs continuous-wave near-infrared spectroscopy devices: a comparison of clinically viable monitors in controlled hypoxia. *Journal of Clinical Monitoring and Computing* 2017, 31 (5): 967-974.
- Davin T, Wang X, Chabane A, Pawelko R, Guida G, Serio B, Herve P. Thermal imaging method to visualize a hidden painting thermally excited by far Infrared radiations. In: Pezzati L, Targowski P, eds *Proceedings of SPIE Conference on Optics for Arts Architecture and Archaeology V*, JUN 24-25, 2015 Munich Germany, 2015; pp. 95270T-95270T-8.
- Davis LWL, Kelly PF, King RSP, Bleay SM. Visualisation of latent fingermarks on polymer banknotes using copper vacuum metal deposition: A preliminary study. *Forensic Science International* 2016; 266 e86-e92
- Davis RM, Zhou Z, Chung H, Warren WS. Multi-spin echo spatial encoding provides three-fold improvement of temperature precision during intermolecular zero quantum thermometry. *Magnetic Resonance in Medicine* 2016; 75 (5) 1958-1966
- Dayawansa S, Wang EW, Liu W, Markman JD, Gelbard HA, Huang JH. Allografted DRG neurons or Schwann cells affect functional recovery in a rodent model of sciatic nerve injury. *Neurological Research* 2014; 36 (11): 1020-1027.
- de Almeida Ferreira J, Herculano dos Santos B, de Araújo Silva Y, de Oliveira UF. Thermographic analysis of the effect of different modalities of exercise: Aerobic and eccentric exercise (extended abstract). *Thermology international* 2015, 25(3) 144
- de Almeida Ferreira, de Oliveira UF, Caldas Araújo L, Herculano dos Santos B. Thermographic profile of the hamstring muscles during static stretching (extended abstract). *Thermology international* 2015, 25(3) 143-144.
- De Andrade Fernandes A, Dos Santos Amorim PR, Brito CJ, De Moura AG, Moreira DG, Costa CMA, Sillero-Quintana M, Marins JCB. Measuring skin temperature before during and after exercise: A comparison of thermocouples and infrared thermography. *Physiological Measurement* 2014; 35 (2) 189-203.
- de Andrade Fernandes A, Pimenta EM, Moreira DG, Sillero-Quintana M, Marins JCB, Morandi RF, Kanope T, Garcia ES Skin temperature changes of under-20 soccer players after two consecutive matches. *Sport Sciences for Health* 2017; 13 (3): 635-643
- de Araújo MA, de Albuquerque VB, Deschk M, Trein TA, Frazílio FO, dos Santos PSP. Effects of continuous rate infusion of butorphanol in isoflurane-anesthetized calves. *Acta Cirurgica Brasileira* 2014; 29 (7): 465-471.
- De Barros Fernandez Nogueira C, Vicari Nogueira C, Brioschi M, Ribeiro N. Case Studies – How Thermography Can Assist Clinical Examination in Various Stages Following Trauma (extended abstract). *Thermology international* 2015, 25(3) 144-145
- De Barros Fernandez Nogueira C, Vicari Nogueira C, Brioschi ML, Maestro N. Case Report: Thermal Anatomic Aspects in Facial Palsy and Use of Thermography As A Healing Evaluation Method (extended abstract). *Thermology international* 2015, 25(3) 138-139.
- De Bever J, Todd N, Payne A, Christensen DA, Roemer RB. Adaptive model-predictive controller for magnetic resonance guided focused ultrasound therapy. *International Journal of Hyperthermia* 2014; 2014; 30 (7) 456-470.
- de Bever JT, Odéen H, Todd N, Farrer AI, Parker DL. Evaluation of a three-dimensional MR acoustic radiation force imaging pulse sequence using a novel unbalanced bipolar motion encoding gradient. *Magnetic Resonance in Medicine* 2016; 76 (3) 803-813
- De Bruyne B, Adjedj J, Xaplanteris P, Ferrara A, Mo Y, Penicka M, Floré, V, Pellicano M, Toth G, Barbato E,

Duncker DJ, Pijls NHJ. Saline-Induced Coronary Hyperemia. *Circulation: Cardiovascular Interventions* 2017, 10 (4), art. no. e004719.

De Carvalho Barbosa M, Kosturakis AK, Eng C, Wendelschafer-Crabb G, Kennedy WR, Simone DA, de Carvalho CF, Brioschi ML, Jacobsen Teixeira M. Prevention of breast cancer assisted by medical infrared imaging (extended abstract). *Thermology international* 2014; 24(1) 15

de Carvalho CF, Brioschi ML, Jacobsen Teixeira M. Uso da Termografia na Avaliação da Ozonioterapia como Tratamento da Epicondilitis Lateral. *Pan American Journal of Medical Thermology* 2015; 2(2) 90-93

De D, Mukherjee A, Sau A, Bhakta I. Design of smart neonatal health monitoring system using SMCC. *Healthcare Technology Letters* 2017, 4 (1): 13-19.

De Finis R, Palumbo D, Ancona F, Galietti U. Fatigue limit evaluation of various martensitic stainless steels with new robust thermographic data analysis. *International Journal of Fatigue* 2015; 74: 88-96

de Jalon AG, Perez D, Benito P, Zaversky F. Inspection receiver tubes device for CSP plants. *Energy Procedia* 2015; 69: 1868-1876

de Jesus Guirro RR, Oliveira Lima Leite Vaz MM, das Neves LMS, Dibai-Filho AV, Carrara HHA, de Oliveira Guirro EC. Accuracy and Reliability of Infrared Thermography in Assessment of the Breasts of Women Affected by Cancer. *Journal of Medical Systems* 2017, 41 (5), art. no. 87.

De Leeuw F, Breuskin I, Abbaci M, Casiraghi O, Mirghani H, Ben Lakhdar A, Laplace-Builhé, C, Hartl D. Intraoperative Near-infrared Imaging for Parathyroid Gland Identification by Auto-fluorescence: A Feasibility Study. *World Journal of Surgery* 2016; 40 (9) 2131-2138

De Lima JLMP, Abrantes JRBC, Silva VP, De Lima MIP, Montenegro AAA. Mapping soil surface macropores using infrared thermography: An exploratory laboratory study. *Scientific World Journal* 2014; 2014, art. no. 845460.

de Lima JLMP, Silva VP, de Lima MIP, Abrantes JRBC, Montenegro AAA. Revisiting simple methods to estimate drop size distributions: a novel approach based on Infrared thermography. *Journal of Hydrology and Hydromechanics* 2015; 63 (3): 220-227

de Lima RLP, Abrantes JRBC, de Lima JLMP, de Lima MIP. Using thermal tracers to estimate flow velocities of shallow flows: laboratory and field experiments. *Journal of Hydrology and Hydromechanics* 2015; 63 (3): 255-262

de Medeiros CR, Brioschi ML, de Souza SN, Teixeira MJ. Infrared thermography to diagnose and manage venomous animal bites and stings. *Revista da Sociedade Brasileira de Medicina Tropical* 2017, 50 (2): 260-264.

de Médicis É. From visualizing nerves to visualizing blocks: a natural trend? [De la visualisation des nerfs à la visualisation des blocs : une évolution naturelle ?]. *Canadian Journal of Anesthesia* 2017, 64 (11): 1098-1100.

De Mey G, Felczak M, Wiecek B. Modelling and IR measurement of the electronic substrate thermal conductivity. *Microelectronics Reliability* 2015; 55 (1): 138-142

De Oliveira CRAC, Zanin F, Cassoni A, Rodrigues JA, Silveira L, Jr Pacheco MT, Brugnera A. Analysis of Human Tooth Pulp Chamber Temperature after 670 nm Laser Irradiation: In Vitro Study. *Photomedicine and Laser Surgery* 2017, 35 (10): 515-519.

De Oliveira HV, Salles-Cunha SX. Digital traumatic fistula and arteriovenous malformation in a patient with ulnar nerve compression syndrome. *Journal for Vascular Ultrasound* 2017, 41 (1): 18-23.

de Oliveira Pereira, LP, Silva SB, Brioschi ML, Jacobsen Teixeira M. Case report: myofascial pain syndrome in patient with neuromuscular scoliosis - use of thermography in diagnostic and therapy evaluation (extended abstract). *Thermology international* 2014; 24(1) 20

De Pauw R, Choikhet K, Desmet G, Broeckhoven K. Temperature effects in supercritical fluid chromatography: A trade-off between viscous heating and decompression cooling. *Journal of Chromatography A* 2014; 1365: 212-218.

De Podesta M, Sutton G, Edwards G, Stanger L, Preece H. Practical acoustic thermometry with twin-tube and single-tube sensors. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465575

De Rosa S, De Cal M, Joannidis M, Villa G, Pacheco JLS, Virzi GM, Samoni S, D'Ippoliti F, Marcante S, Visconti F, Lampariello A, Zannato M, Marafon S, Bonato R, Ronco C. The effect of whole-body cooling on renal function in post-cardiac arrest patients. *BMC Nephrology* 2017, 18(1) Article Number: 376

De Sousa J, Cheatham C, Wittbrodt M. The effects of a moisture-wicking fabric shirt on the physiological

De Sousa NTA, Guirro ECDO, Caliό, JG, De Queluz MC, Guirro RRDJ. Application of shortwave diathermy to lower limb increases arterial blood flow velocity and skin temperature in women: a randomized controlled trial. *Brazilian Journal of Physical Therapy* 2017, 21 (2): 127-137.

De Souza MA, Krefer AG, Benvenuti Borba G, Vizinoni E Silva GJ, Franco APGO, Gamba HR. Generation of 3D thermal models for dentistry applications. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS* 2016; 2016-October art no 7590969 1397-1400

de Souza RC, Pansini M, Arruda G, Valente C, Brioschi ML. Laser acupuncture causes thermal changes in small intestine meridian pathway. *Lasers in Medical Science* 2016; 31 (8) 1645-1649

de Trotta J, Ulbricht L. Termografia no Diagnóstico Complementar de Doenças Músculo Esqueléticas [Thermography in Complementary Diagnostic of Musculoskeletal Diseases. Pan American Journal of Medical Thermology 2015, 2(1) 7-13

De Vasconcelos JTM, Filho SDSA, Atié, J, Maciel W, De Souza OF, Benchimol Saad E, Kalil CA, De Castro Mendonca R, Araujo N, Pisani CF, Scanavacca MI. Atrial-oesophageal fistula following percutaneous radiofrequency catheter ablation of atrial fibrillation: The risk still persists. *Europace* 2017, 19 (2): 250-258.

De Vita C, Brun J, Reynard-Carette C, Carette M, Amharrak H, Lyoussi A, Fourmentel D, Villard JF. Study of the influence of heat sources on the out-of-pile calibration curve of calorimetric cells used for nuclear energy deposition quantification. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465593

de Vries J, Ren N, Chaos M. Temperature measurements on solid surfaces in rack-storage fires using IR thermography. In: Hsieh SI, Zalameda JN, eds, Proceedings of SPIE Conference on Thermosense - Thermal Infrared Applications XXXVII, APR 20-23, 2015, Baltimore MD, 2015; pp. 94850H-94850H-10.

De Weerd L, Weum S, Mercer JB. Detection of perforators using thermal imaging. *Plastic and Reconstructive Surgery* 2014; 134 (5): 850e-851e.

De Weerd L, Weum S, Mercer JB. Locating perforator vessels by dynamic infrared imaging and flow doppler with no thermal cold challenge. *Annals of Plastic Surgery* 2014; 72 (2), p. 261.

De Wijk RA, He W, Mensink MGJ, Verhoeven RHG, De Graaf C. ANS responses and facial expressions differentiate between the taste of commercial breakfast drinks. *PLoS ONE* 2014; 9 (4), art. no. e93823.

Deckers R, Sprinkhuizen SM, Crielaard BJ, Iel JH, Boelens R, Bakker CJG, Storm G, Lammers T, Bartels LW. Absolute MR thermometry using nanocarriers. *Contrast Media and Molecular Imaging* 2014; 9 (4) 283- 290.

Decorato JW, Chen B, Sierra R. Subcutaneous adipose tissue response to a non-invasive hyperthermic treatment using a 1,060 nm laser. *Lasers in Surgery and Medicine* 2017, 49 (5): 480-489.

DeCoursey TE. CrossTalk proposal: Proton permeation through H(V)1 requires transient protonation of a conserved aspartate in the S1 transmembrane helix. *Journal of Physiology* 2017, 595(22) 6793-6795.

Dede O, Bosch P, Bowles AJ, Ward WT, Roach JW. Clinical decision making in early wound drainage following posterior spine surgery in pediatric patients. *Spine Deformity* 2014; 2 (2): 104- 109.

Dehkharghani S, Fleischer CC, Qiu D, Yepes M, Tong F. Cerebral temperature dysregulation: MR thermographic monitoring in a nonhuman primate study of acute ischemic stroke. *American Journal of Neuroradiology* 2017, 38 (4): 712-720.

Dejarnac R, Stangeby PC, Goldston RI, Gauthier E, Horacek J, Hron M, Kocan M, Komm M, Panek R, Pitts RA, Vondracek P. Understanding Narrow SOL Power Flux Component I COMPASS Limiter Plasmas By Use of Langmuir Probes. *Journal of Nuclear Materials* 2015; 463: 381-384

Del Coso J, González C, Abian-Vicen J, Salinero Martín JJ, Soriano L, Areces F, Ruiz D, Gallo C, Lara B, Calleja-González J. Relationship between physiological parameters and performance during a half- ironman triathlon in the heat. *Journal of Sports Sciences* 2014. Article in Press.

del Estal A, Brito C-J, Galindo V-E, Lopez Diaz de Durana A, Franchini E, Sillero-Quintana M Thermal asymmetries in striking combat sports athletes measured by infrared thermography [Asymétries thermiques en sport de combat mesurées par thermographie infrarouge]. *Science and Sports* 2017; 32 (2): e61-e67

del Estal A, Brito C-J, Galindo V-E, Lopez Diaz de Durana A, Franchini E, Sillero-Quintana M. Thermal asymmetries in striking combat sports athletes measured by infrared thermography. *Science and Sports* Article in Press

Delaney MM, Maji P, Kalita T, Kara N, Rana D, Kumar K, Masoinneuve J, Cousens S, Gawande AA, Kumar V, Kodkany B, Sharma N, Saurastri R, Singh VP, Hirschhorn LR, Semrau KEA, Firestone R. Improving adherence to essential birth practices using the WHO safe childbirth checklistwith peer coaching: Experience from 60 public health facilities in Uttar Pradesh India. *Global Health Science and Practice* 2017, 5 (2): 217-231.

Delanthabettu S, Menaka M, Venkatraman B, Raj B. Defect depth quantification using lock-in thermography. *Quantitative Infrared Thermography Journal* 2015; 12 (1): 37-52

Delchambre E, van Houtte D, Courtois X, Aumeunier MH, Bucalossi J. RAMI approach as guidance for optimizing the design of the WEST machine protection system using IR thermography measurements. *Fusion Engineering and Design*, 96: 772-776.

Dellavalle B, Kirchhoff J, Maretty L, Castberg F.C, Kurtzhals JAL. Implementation of minimally invasive and objective humane endpoints in the study of murine Plasmodium infections. *Parasitology* 2014; 141 (12): 1621-1627.

Delobelle V, Favier D, Louche H, Connesson N. Determination of Local Thermophysical Properties and Heat of Transition from Thermal Fields Measurement During Drop Calorimetric Experiment. *Experimental Mechanics* 2015; 55 (4): 711-723

Demiańczyk A, Michaluk K. Evaluation of the effectiveness of selected natural fertility symptoms used for contraception: Estimation of the Pearl index of Lady-Comp Pearly and Daysy cycle computers based on 10 years

of observation in the Polish market. *Ginekologia Polska* 2016; 87 (12) 793-797

Demina AG, Bregovskiy VB, Karpova IA. Criteria of immobilization duration of the affected foot in diabetic Charcot neuro-osteoarthropathy. *Diabetes Mellitus* 2014; 2014 (4): 60-65.

Demir T, Ugurlucan M, Bahceci F, Demir HB, Sezer S. Coronary artery bypass grafting in a patient with myasthenia gravis. *Heart Surgery Forum* 2014; 17 (5): E239-E241.

Demirel H, Bahar A, Gokgoz N, Arslan M, Dane S. Right-sided lateralization of skin temperature in healthy young persons. *Clinical and Investigative Medicine* 2016; 39 (6) S121-S124

Den Uil CA, Lagrand WK, Van Der Ent M, Nieman K, Struijs A, Jewbali LSD, Constantinescu AA, Spronk PE, Simoons ML. Conventional hemodynamic resuscitation may fail to optimize tissue perfusion: An observational study on the effects of dobutamine enoximone and norepinephrine in patients with acute myocardial infarction complicated by cardiogenic shock. *PLoS ONE* 2014; 9 (8), art. no. e103978.

Deneke T, Schade A, Diegeler A, Nentwich K. Esophago-pericardial fistula complicating atrial fibrillation ablation using a novel irrigated radiofrequency multipolar ablation catheter. *Journal of Cardiovascular Electrophysiology* 2014; 25 (4): 442-443.

Deng FG, Tang Q, Zeng GQ, Wu H, Zhang NF, Zhong NS. Effectiveness of digital Infrared thermal imaging in detecting lower extremity deep venous thrombosis. *Medical Physics* 2015; 42 (5): 2242-2248

Deniz CM, Carluccio G, Collins C. Parallel transmission RF pulse design with strict temperature constraints. *NMR in Biomedicine* 2017, 30 (5), art. no. e3694.

Deren TM, Coris EE, Casa DJ, Demartini JK, Bain AR, Walz SM, Jay O. Maximum heat loss potential is lower in football linemen during an NCAA summer training camp because of lower self-generated air flow. *Journal of Strength and Conditioning Research* 2014; 28 (6): 1656-1663.

Derusova DA, Vavilov VP, Pawar SS. Evaluation of equivalent defect heat generation in carbon epoxy composite under powerful ultrasonic stimulation by using infrared thermography. In: *IOP Conference Series: Materials Science and Engineering* 2015, 81(1) p. 012084 84

Des Marais AM. Detection of cadaveric remains by thermal imaging cameras. *Journal of Forensic Identification* 2014; 64 (5): 489-512.

Desebbe O, Faulcon C, Henaine R, Tran L, Koffel C, Delannoy B, Lehot J-J, Bastien O, Maucourt- Boulch

Desmarest M, Aupiais C, Le Gal J, Tourteau L, Le Coz J, de Paepe E, Titomanlio L, Faye A. Value of procalcitonin for infants with bronchiolitis in an emergency department [Dosage de la procalcitonine et bronchiolites vues dans un service d'accueil des urgences pédiatriques]. *Archives de Pédiatrie* 2017, 24 (11): 1060-1066.

Desmedt B, Ates G, Courselle P, De Beer JO, Rogiers V, Hendrickx B, Deconinck E, De Paepe K. In vitro Dermal Absorption of Hydroquinone: Protocol Validation and Applicability on Illegal Skin-Whitening Cosmetics. *Skin Pharmacology and Physiology* 2017, 29 (6): 300-308.

Destefano Z, Abi-Jaoudeh N, Li M, Wood BJ, Summers RM, Yao J. CT thermometry for cone-beam CT guided ablation. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9786, art no 978615

Devereaux PJ, Biccari BM, Chan MTV. High-sensitivity troponin levels ischemia and mortality-reply. *JAMA - Journal of the American Medical Association* 2017, 318 (9) 865.

Dhandhukia JP, Li Z, Peddi S, Kakan S, Mehta A, Tyrpak D, Despanie J, MacKay JA. Berunda polypeptides: Multi-headed fusion proteins promote subcutaneous administration of rapamycin to breast cancer in vivo. *Theranostics* 2017, 7 (16), art. no. 19981.

Dharmadhikari S, James JR, Nyenhuis J, Bansal N. Evaluation of radiofrequency safety by high temperature resolution MR thermometry using a paramagnetic lanthanide complex. *Magnetic Resonance in Medicine* 2016; 75 (5) 2121-2129

D'Huys K, Saeyns W, De Ketelaere B. Detection of seal contamination in heat sealed food packaging based on active Infrared thermography. In: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense - Thermal Infrared Applications XXXVII*, APR 20-23, 2015, Baltimore MD, 2015; 94851G- 94851G-13.

Di Carlo A, Elia F, Desiderio F, Catricalà, C, Solivetti FM, Laino L. Can video thermography improve differential diagnosis and therapy between basal cell carcinoma and actinic keratosis? *Dermatologic Therapy* 2014; 27 (5) 290-297.

Di Giacinto A, Brunetti M, Sepede G, Ferretti A, Merla A. Thermal signature of fear conditioning in mild post traumatic stress disorder. *Neuroscience* 2014; 266: 216-223.

Di Leo G, Trimboli RM, Sella T, Sardanelli F. Optical imaging of the breast: Basic principles and clinical applications. *American Journal of Roentgenology* 2017, 209 (1): 230-238.

Di Maio R, Piegari E, Mancini C, Chiapparino A. Quantitative analysis of pulse thermography data for degradation assessment of historical buildings. *European Physical Journal Plus* 2015; 130(6), 1-8

Di Maria C, Allen J, Dickinson J, Neoh C. Analysis of thermal images to quantify inflammation in Graves' orbitopathy. (extended abstract). *Thermology international* 2015, 25(3) 112.

Di Maria C, Hainsworth P, Allen J. [Microvascular imaging for the intra-operative evaluation of bowel perfusion](#)

(extended abstract). *Thermology international* 2015, 25(3) 104

Di Tuccio MC, Ludwig N, Gargano M, Bernardi A. Thermographic inspection of cracks in the mixed materials statue: Ratto delle Sabine. *Heritage Science* 2015; 3: 10

Diaham S, Belijar G, Locatelli ML, Lebey T. Thermal runaway in polyimide at high electric field probed by infrared thermography. *Applied Physics Letters* 2015; 106 (12) 122903

Diakite M, Odéen H, Todd N, Payne A, Parker DL. Toward real-time temperature monitoring in fat and aqueous tissue during magnetic resonance-guided high-intensity focused ultrasound using a three-dimensional proton resonance frequency T1 method. *Magnetic Resonance in Medicine* 2014; 72 (1): 178-187.

Díaz LE, Valero MF. Polyurethanes obtained from castor oil modified with triethanolamine: Synthesis mechanical properties biodegradation and biocompatibility. *Journal of Biomaterials and Tissue Engineering* 2017, 7 (9): 901-909.

Dibai AV, Guirro RRD. Evaluation of myofascial trigger points using infrared thermography: a critical review of the literature. *Journal of Manipulative and Physiological Therapeutics* 2015; 38 (1): 86-92

Dibai-Filho AV, Guirro ECO, Ferreira VTK, Brandino HE, Vaz MMOLL, Guirro RRI. Reliability of different methodologies of Infrared image analysis of myofascial trigger points in the upper trapezius muscle.

Dibai-Filho AV, Packer AC, de Souza Costa AC, Rodrigues-Bigaton D. The chronicity of myogenous temporomandibular disorder changes the skin temperature over the anterior temporalis muscle. *Journal of Bodywork and Movement Therapies* 2014; 18 (3): 430-434.

Dibaji SAR, Wansapura J, Myers MR, Banerjee RK. In vivo monitoring of HIFU induced temperature rise in porcine liver using magnetic resonance thermometry. *Journal of Medical Devices Transactions of the ASME* 2014; 8 (3), art. no. 030937.

DiBernardo BE, DiBernardo G, Pozner JN. Subsurface Laser and Radiofrequency for Face and Body Rejuvenation. *Clinics in Plastic Surgery* 2016; 43 (3) 527-533

Dicheva BM, Koning GA. Targeted thermosensitive liposomes: An attractive novel approach for increased drug delivery to solid tumors. *Expert Opinion on Drug Delivery* 2014; 11 (1) 83-100.

Dickson MJ, Yakub R, Cheung K. There must be more to surgical wound infection prevention than antibiotic prophylaxis alone. *BJOG: An International Journal of Obstetrics and Gynaecology* 2014; 121 (12): 1575-1576.

Diesner SC, Bannert C, Gruber S, Dehlink E, Eiwegger T, Szeffalusi Z. The mydriaticum cyclopentolate induces severe allergy in a 5-year-old child. *Klinische Padiatrie* 2014; 226 (4): 252- 253.

Dietrichs ES, Kondratiev T, Tveita T. Milrinone ameliorates cardiac mechanical dysfunction after hypothermia in an intact rat model. *Cryobiology* 2014; 69 (3): 361-366.

Dijkstra-Tiekstra MJ, Setroikromo A.C, Kraan M, Gkoumassi E, De W ildt-Eggen J. Optimization of the freezing process for hematopoietic progenitor cells: Effect of precooling initial dimethyl sulfoxide concentration freezing program and storage in vapor-phase or liquid nitrogen on in vitro white blood cell quality *Transfusion* 2014; 54 (12): 3155-3163.

Dikic G, Tomic L, Damnjanovic V, Milanovic B. Characterization of periodic cylindrical subsurface defects by pulsed, flash thermography. *Surface Review and Letters* 2015; 22 (2) 1550032

DiLeo T, Roberge RJ, Kim J-H. Effect of wearing an N95 filtering facepiece respirator on superomedial orbital infrared indirect brain temperature measurements. *Journal of Clinical Monitoring and Computing* 2017, 31 (1): 67-73.

Dillon CR, Borasi G, Payne A. Analytical estimation of ultrasound properties thermal diffusivity and perfusion using magnetic resonance-guided focused ultrasound temperature data. *Physics in Medicine and Biology* 2016; 61 (2) 923-936

Dillon CR, Payne A, Christensen DA, Roemer RB. The accuracy and precision of two non-invasive magnetic resonance-guided focused ultrasound-based thermal diffusivity estimation methods. *International Journal of Hyperthermia* 2014; 2014; 30 (6) 362-371.

Dima V, Demetrian M, Dima C, Nica A. The use of infrared thermography in neonatology (abstract). *Thermology international* 2014; 24(2) 65.

Dimitrijevic IM, Kocic MN, Lazovic MP, Mancic DD, Marinkovic OK, Zlatanovic DS. Correlation of thermal deficit with clinical parameters and functional status in patients with unilateral lumbosacral radiculopathy. *Hong Kong Medical Journal* 2016; 22 (4) 320-326

Diñer M, Çıtlak G, Akıncı M. A rare cause of acute abdomen in adults: Intestinal malrotation [Erişkinde nadir bir akut karın nedeni: İntestinal malrotasyon]. *Haseki Tip Bulteni* 2017, 55 (2): 151-153.

Dine S, Aid S, Ouaras K, Malard V, Odorico M, Herlin-Boime N, Habert A, Gerbil-Margueron A, Grisolia C, Chene J, Pieters G, Rousseau B, Vrel D. Synthesis of tungsten nanopowders: Comparison of milling SHS, MASHS and milling-induced chemical processes. *Advanced Powder Technology* 2015; 26 (5): 1300-1305

Ding D, Miao Z.-H, Wang Z, Fang W.-J, Wang H.-B. Identification of cleavage site in hinge region of monoclonal antibody A in liquid formulation. *Chinese Journal of New Drugs* 2014; 23 (20): 2442-2445 and 2449.

Ding H, Liang C, Sun K, Wang H, Hiltunen JK, Chen Z Shen J. Dithiothreitol-caed fluorescent gold nanoclusters: An efficient probe for detection of coer(II) ions in aqueous solution. *Biosensors and Bioelectronics* 2014; 59, 216-220. Dobson G. The August Krogh principle: Seeking unity in diversity. *Shock* 2014; 42 (5) P 480.

Ding X, Nguyen MM, James IB, Marra KG, Rubin JP, Leers SA, Kim K. Improved Estimation of Ultrasound Thermal Strain Using Pulse Inversion Harmonic Imaging. *Ultrasound in Medicine and Biology* 2016; 42 (5) 1182-1192

Ding Z, Liu P, Hu D, Sheng Z, Yi H, Gao G, Wu Y, Zhang P, Ling S, Cai L. Redox-responsive dextran based theranostic nanoparticles for near-infrared/magnetic resonance imaging and magnetically targeted photodynamic therapy. *Biomaterials Science* 2017, 5(4) 762-771.

Diouf I, Rodriguez-Fonseca B, Deme A, Caminade C, Morse AP, Cisse M, Sy I, Dia I, Ermer V, Ndione J-A, Gaye AT. Comparison of malaria simulations driven by meteorological observations and reanalysis products in Senegal. *International Journal of Environmental Research and Public Health* 2017, 14 (10), art. no. 1119.

Ditcham TG, Wotherspoon A, Kirkbride KP, Lenehan CE, Popelka-Filcoff RS. Thermal decomposition of Australian uranium ore concentrates: characterisation of speciation and morphological changes following thermogravimetric analysis. *Journal of Radioanalytical and Nuclear Chemistry* 2016; 310 (2) 725-732

Divo E, Saad H, Boetcher S, Brown J, Kassab A. Inverse vof meshless method for efficient nondestructive thermographic evaluation. *Computational Thermal Sciences* 2015; 7 (2): 105-121

Docherty T, Montalto M, Leslie J, King K, Niblett S, Garrett T. Temperature profiles of antibiotic-containing elastomeric infusion devices used by ambulatory care patients. *American Journal of Health-System Pharmacy* 2017, 74 (13): 992-1001.

Dolz-Marco R, Gal-Or O, Freund KB. Choroidal thickness influences near-infrared reflectance intensity in eyes with geographic atrophy due to age-related macular degeneration. *Investigative Ophthalmology and Visual Science* 2016; 57 (14) 6440-6446

Dong HL, Zheng BY, Chen FF. Infrared sequence transformation technique for in situ measurement of thermal diffusivity and monitoring of thermal diffusion. *Infrared Physics & Technology* 2015; 73: 130-140

Dong Y, Ng WK, Hu J, Shen S, Tan RBH. Clay as a matrix former for spray drying of drug nanosuspensions. *International Journal of Pharmaceutics* 2014; 465 (1-2): 83-89.

Donnelly J, Czosnyka M. The thermodynamic brain. *Critical Care* 2014; 18 (1), art. no. 693.

Dore R, Levata L, Gachkar S, Jöhren O, Mittag J, Lehnert H, Schulz C. The thermogenic effect of nesfatin-1 requires recruitment of the melanocortin system. *Journal of Endocrinology* 2017, 235 (2): 111-122.

Dorn H, Schmid G, Eggert T, Sauter C, Bolz T, Danker-Hopfe H. Experimental investigation of possible warmth perception from a head exposure system for human provocation studies with TETRA handset-like signals. *Bioelectromagnetics* 2014; 35 (6): 452-458.

Dornseifer U, Fichter AM, Von Isenburg S, Stergioula S, Rondak I-C, Ninkovic M. Impact of active thermoregulation on the microcirculation of free flaps. *Microsurgery* 2016; 36 (3) 216-224

dos Santo EB, Bianco HT, Brioschi ML. Thermography in Assessing Cardiovascular Risk. *Pan American Journal of Medical Thermology* 2015; 2(1) 23-25

dos Santos EB, Bonasso C, Brioschi ML, Bianco HT, Fernandes Raposo Filho JJ. Diferença entre Gêneros no Teste de Reatividade Vascular com Termografia por Radiação Infravermelha. *Pan American Journal of Medical Thermology* 2015; 2(2) 78-85

Dostalova T, Kroulikova V, Podzimek S, Jelinková, H. Low-Level Laser Therapy after Wisdom Teeth Surgery: Evaluation of Immunologic Markers (Secretory Immunoglobulin A and Lysozyme Levels) and Thermographic Examination: Placebo Controlled Study. *Photomedicine and Laser Surgery* 2017, 35 (11): 616-621.

Dou J-P, Yu J, Cheng Z-G, Han Z-Y, Liu F-Y, Yu X-L, Liang P. Ultrasound-Guided Percutaneous Microwave Ablation for Hepatocellular Carcinoma in the Caudate Lobe. *Ultrasound in Medicine and Biology* 2016; 42 (8) 1825-1833

Dou J-P, Yu J, Han Z-Y, Liu F-Y, Cheng Z-G, Liang P. Microwave ablation for hepatocellular carcinoma associated with Budd–Chiari syndrome after transarterial chemoembolization: an analysis of ten cases. *Abdominal Radiology* 2017, 42 (3): 962-968.

Dou Y, Hynynen K, Allen C To heat or not to heat: Challenges with clinical translation of thermosensitive liposomes. *Journal of Controlled Release* 2017, 249: 63-73.

Doughty A, Hasanjee A, Pettitt A, Silk K, Liu H, Chen WR, Zhou F. Temperature distribution in target tumor tissue and photothermal tissue destruction during laser immunotherapy. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9709

Douglas PK, Pisani M, Reid R, Head A, Lau E, Mirakhor E, Bramen J, Gordon B, Anderson A, Kerr WT, Cheong C, Cohen MS. Method for simultaneous fMRI/EEG data collection during a focused attention suggestion for differential thermal sensation. *Journal of Visualized Experiments* (83), art. no. e3298.

Dow J, Simkhovich BZ, Hale SL, Kay G, Kloner RA. Capsaicin-induced cardioprotection. Is hypothermia or the

salvage kinase pathway involved? Cardiovascular drugs and therapy / sponsored by the International Society of Cardiovascular Pharmacotherapy 2014; 28 (4): 295-301.

Downham RP, Brewer ER, King RSP, Luscombe AM, Sears VG. Fingermark visualisation on uncirculated £5 (Bank of England) polymer notes: Initial process comparison studies. Forensic Science International 2017, 275: 30-43.

Drake-Brockman TFE, Hegarty M, Chambers NA, Von Ungernsternberg BS. Monitoring temperature in children undergoing anaesthesia: A comparison of methods. Anaesthesia and Intensive Care 2014; 42 (3): 315-320.

Dritsakou K, Liosis G, Valsami G, Polychronopoulos E, Skouroliakou M. Improved outcomes of feeding low birth weight infants with predominantly raw human milk versus donor banked milk and formula. Journal of Maternal-Fetal and Neonatal Medicine 2016; 29 (7) 1131-1138

Drury P, Levi C, D'Este C, Mcelduff P, Mcinnes E, Hardy J, Dale S, Cheung NW, Grimshaw JM, Quinn C, Ward J, Evans M, Cadilhac D, Griffiths R, Middleton S. Quality in Acute Stroke Care (QASC): Process evaluation of an intervention to improve the management of fever hyperglycemia and swallowing dysfunction following acute stroke. International Journal of Stroke 2014; 9 (6): 766-776.

Drzazga Z, Cholewka A, Ciszek W, Czuba MC, Poprzecki S. TI Body Temperature Depression to Training Exercise in Normobaric Hypoxia - Primary Studies. In: Lackovic I, Vasic D, eds, ProceedingsCT 6th European Conference of the International-Federation-for-Medical-and-Biological-Engineering (MBEC) SEP 07-11 2014, Dubrovnik CROATIA, 2015; 45: 232-235

Du B, Gu X, Zhao W, Liu Z, Li D, Wang E, Wang J. Hybrid of gold nanostar and indocyanine green for targeted imaging-guided diagnosis and phototherapy using low-density laser irradiation. Journal of Materials Chemistry B 2016; 4 (35) 5842-5849

Du B-X, Xiang M-R, Fu Y-P, Jiang H-Q, Gong L-L, Rong R. Structural characterization of Glehniae Radix polysaccharides using partial acid hydrolysis-hydrophilic interaction liquid chromatography-mass spectrometry. Zhongguo Zhongyao Zazhi 2017, 42 (24): 4814-4818.

Du Pont-Thibodeau G, Joyal J.-S, Lacroix J. Management of neonatal sepsis in term newborns. F1000Prime Reports 2014; 6, art. no. 67.

Du X, Li B, Liu H, Yang D, Yu W, Liao J, Huang Z, Xia K. The response of human thermal sensation and its prediction to temperature step-change (cool-neutral-cool). PLoS ONE 2014; 9 (8), art. no. e104320.

Du Y, Zhang H, Feng X. Continuous renal replacement therapy and mild hypothermia for acute left heart failure after cardiovascular surgery. Journal of Thoracic and Cardiovascular Surgery 2014; 148 (1): e137- e139.

Dua G, Mulaveesala R, Siddique JA. Effect of spectral shaping on defect detection in frequency modulated thermal wave imaging. Journal of Optics 2015; 17 (2) 025604

Dua G, Mulaveesala R. Infrared thermography for detection and evaluation of bone density variations by non-stationary thermal wave imaging. Biomedical Physics and Engineering Express 2017, 3(1) Article Number: 017006.

Duarte I, Veseniak M, Krstulovic-Opara L, Anzel I, Ferreira JMF. Manufacturing and bending behaviour of in situ foam-filled aluminium alloy tubes. Materials & Design 2015; 66: 532-544

Duarte I, Veseniak M, Krstulovic-Opara L, Ren ZR. Static and dynamic axial crush performance of in-situ foam-filled tubes. Composite Structures 2015; 124: 128-139

Dudek M, Romanowska J, Witula T, Trylska J. Interactions of amikacin with the RNA model of the ribosomal A-site: Computational spectroscopic and calorimetric studies. Biochimie 2014; 102 (1) 188-202.

Dudley PN, Bonazza R, Jones TT, Wyneken J, Porter WP. Leatherbacks swimming in silico: Modeling and verifying their momentum and heat balance using computational fluid dynamics. PLoS ONE 2014; 9 (10), art. no. e110701.

Dudzik S. Two-stage neural algorithm for defect detection and characterization uses an active thermography. Infrared Physics & Technology 2015; 71: 187-197

Dula AN, Virostko J, Shellock FG. Reply to "Assessment of MRI issues at 7 T". American Journal of Roentgenology 2014; 203 (5), p. W 561.

Dultsev FN, Kurus NN. Temperature dependence of unwinding forces between complementary oligonucleotides. Journal of Microbiological Methods 2017, 143: 94-97.

Dulz S, Wagenfeld L, Nickel M, Richard G, Schwartz R, Bartsch U, Kohlschütter A, Schulz A. Novel morphological macular findings in juvenile CLN3 disease. British Journal of Ophthalmology 2016; 100 (6) 824-828

Duman Atilla O, Yesilaras M. Headache blurred vision and seizure in hemodialysis patient. Turkiye Acil Tip Dergisi 2014; 14 (2), p. 45.

Duman FD, Erkisa M, Khodadust R, Ari F, Ulukaya E, Acar HY. Folic acid-conjugated cationic Ag₂S quantum dots for optical imaging and selective doxorubicin delivery to HeLa cells. Nanomedicine 2017, 12 (19): 2319-2333.

Dumm G, Fallon JB, Williams CE, Shivdasani MN. Virtual electrodes by current steering in retinal prostheses. Investigative Ophthalmology and Visual Science 2014; 55 (12): 8077-8085.

- Dumoulin J, Criniere A, Averty R. Outdoor thermal monitoring of large scale structures by Infrared thermography integrated in an ICT based architecture. In: Meriaudeau F, Aubreton O, eds Proceedings of SPIE 12th International Conference on Quality Control by Artificial Vision JUN 03-05, 2015, Le Creusot France, 2015; pp. 95341H-95341H-7
- Dunbar RL, Goel H, Tuteja S, Song W-L, Nathanson G, Babar Z, Lalic D, Gelfand JM, Rader DJ, Grove GL. Measuring niacin-associated skin toxicity (NASTy) stigmata along with symptoms to aid development of niacin mimetics. *Journal of Lipid Research* 2017; 58(4) 783-797.
- Duncan AE, Torgerson-White LL, Allard SM, Schneider T. An evaluation of infrared thermography for detection of bumblefoot (pododermatitis) in penguins. *Journal of Zoo and Wildlife Medicine* 2016; 47 (2) 474-485
- Duong T, Li X, Yang B, Schumann C, Albarqi HA, Taratula O, Taratula O. Phototheranostic nanoplatform based on a single cyanine dye for image-guided combinatorial phototherapy. *Nanomedicine: Nanotechnology Biology and Medicine* 2017; 13 (3): 955-963.
- Duquesne M, Godin A, del Barrio EP, Daranlot J. Experimental analysis of heterogeneous nucleation in undercooled melts by Infrared thermography. *Quantitative Infrared Thermography Journal* 2015; 12 (1): 112-126
- Durán-Lobato M, Martín-Banderas L, Lopes R, Gonçalves LMD, Fernández-Arévalo M, Almeida AJ. Lipid nanoparticles as an emerging platform for cannabinoid delivery: Physicochemical optimization and biocompatibility. *Drug Development and Industrial Pharmacy* 2016; 42 (2) 190-198
- Durnovo EA, Potekhina YP, Marochkina MS, Yanova NA, Sahakyan M.Y, Ryzhevsky DV. Diagnostic capabilities of infrared thermography in the examination of patients with diseases of maxillofacial area. *Sovremennyye Tehnologii v Medicine* 2014; 6 (2): 61-65.
- Duschka RL, Wojtczyk H, Panagiotopoulos N, Haegele J, Bringout G, Buzug TM, Barkhausen J, Vogt FM. Safety measurements for heating of instruments for cardiovascular interventions in magnetic particle imaging (MPI) - First experiences. *Journal of Healthcare Engineering* 2014; 5 (1): 79-94.
- Duymus M, Orman G, Özben S, Hüseyinoğlu N, Ulaşlı AM. The association between bifid median nerve and carpal tunnel syndrome: Is it really a risk factor? *Archives of Rheumatology* 2014; 29 (2): 105-109.
- Dymek K, Dejmek P, Galindo FG, Wisniewski M. Influence of vacuum impregnation and pulsed electric field on the freezing temperature and ice propagation rates of spinach leaves. *LWT-Food Science and Technology* 2015; 64 (1): 497-502
- e Côte ACR, Hernandez AJ. Application of medical infrared thermography to sports medicine [Termografia médica infravermelha aplicada à medicina do esporte] [Termografía médica infrarroja aplicada a la medicina deportiva]. *Revista Brasileira de Medicina do Esporte* 2016; 22 (4) 315-319
- Eain MMG, Egan V, Punch J. Local Nusselt number enhancements in liquid-liquid Taylor flows. *International Journal of Heat and Mass Transfer* 2015; 80: 85-97
- Earhart EL, Weiss EP, Rahman R, Kelly PV. Effects of oral sodium supplementation on indices of thermoregulation in trained endurance athletes. *Journal of Sports Science and Medicine* 2014; 14 (1): 172- 178.
- Ebrahimpour L, Morteza A, Akhlaghpour S. Management of intravenous contrast extravasations with ultrasonography: A case report. *Journal of Medical Imaging and Radiation Sciences* 2014; 45 (3) 327-329.
- Eder C, Valente V, Donaldson N, Demosthenous A. A CMOS smart temperature and humidity sensor with combined readout. *Sensors (Basel Switzerland)* 2014; 14 (9): 17192-17211.
- Edis E, Flores-Colen I, De Brito J. Time-Dependent Passive Building Thermography for Detecting Delamination of Adhered Ceramic Cladding. *Journal of Nondestructive Evaluation* 2015, 34(3), 1-16.
- Edner A, Lindberg LG, Brostrom H, Bergh A. Does a magnetic blanket induce changes in muscular blood flow skin temperature and muscular tension in horses? *Equine Veterinary Journal* 2015; 47 (3): 302-307
- Eeman M, Olofsson G, Sparr E, Nasir MN, Nylander T, Deleu M. Interaction of fengycin with stratum corneum mimicking model membranes: A calorimetry study. *Colloids and Surfaces B: Biointerfaces* 2014; 121, 27-35.
- Effatparvar M, Jamshidi N, Karimian A. Bone temperature reduction during drilling via alcohol: Brief report. *Tehran University Medical Journal* 2016; 74 (8) 597-600
- Efstathiou P, Kouskouni E, Manolidou Z, Tseroni M, Karageorgou K, Maltezou HC, Chalkias A, Papanikolaou S, Efstathiou A, Logothetis E. Copper-coated thermometer for the prevention of cross- infections: Preliminary results. *American Journal of Emergency Medicine* 2016; 34 (3) 653-656
- Ehara N, Hirose T, Shiozaki T, Wakai A, Nishimura T, Mori N, Ohnishi M, Sadamitsu D, Shimazu T. The relationship between cerebral regional oxygen saturation during extracorporeal cardiopulmonary resuscitation and the neurological outcome in a retrospective analysis of 16 cases. *Journal of Intensive Care* 2017, 5 (1), art. no. 20.
- Eiamsa-ard S, Nanan K, Wongcharee K. Heat transfer visualization of co/counter-dual swirling impinging jets by thermochromic liquid crystal method. *International Journal of Heat and Mass Transfer* 2015; 86: 600-621
- Eijsvogels TM, Bongers C.C, Veltmeijer MT, Moen MH, Hopman M. Cooling during exercise in temperate conditions: impact on performance and thermoregulation. *International Journal of Sports Medicine* 2014; 35 (10): 840-846.

- Ektate K, Kapoor A, Maples D, Tuysuzoglu A, Van Osdol J, Ramasami S, Ranjan A. Motion compensated ultrasound imaging allows thermometry and image guided drug delivery monitoring from echogenic liposomes. *Theranostics* 2016; 6 (11) 1963-1974
- El Bitar N, Pollin B, Karroum E, Pinedé, I, Mouraux A, Le Bars D. Thermoregulatory vasomotor tone of the rat tail and paws in thermoneutral conditions and its impact on a behavioral model of acute pain. *Journal of Neurophysiology* 2014; 112 (9): 2185-2198.
- El Bitar N, Pollin B, Le Bars D. "On-" and "off-" cells in the rostral ventromedial medulla of rats held in thermoneutral conditions: Are they involved in thermoregulation? *Journal of Neurophysiology* 2014; 112 (9) 2199-2217.
- El Hadi H, Frascati A, Granzotto M, Silvestrin V, Ferlini E, Vettor R, Rossato M. Infrared thermography for indirect assessment of activation of brown adipose tissue in lean and obese male subjects. *Physiological Measurement* 2016; 37 (12), art no N118 N118-N128
- El Hadi H, Vettor R, Rossato M. Functional imaging of brown adipose tissue in human. *Hormone Molecular Biology and Clinical Investigation* 2017, 31 (1), art. no. 20170009.
- El Mezouar I, Abourazzak F.Z, Mansouri S, Harzy T. Septic arthritis of the pubic symphysis: A case report. *Pan African Medical Journal* 2014; 18, art. no. 149.
- El Yagoubi J, Lamon J, Batsale JC, Dhote J, Le Flem M. Multiscale Thermal Characterization of Mechanically Loaded Ceramic Matrix Composite. *Experimental Mechanics* 2015; 55 (4): 783-794
- ElBardisi H, Arafa M, Rengan AK, Durairajanayagam D, AlSaid SS, Khalafalla K, AlRumaihi K, Majzoub A, Agarwal A. Varicocele among infertile men in Qatar. *Andrologia* 2017, 49 (4), art. no. e12637.
- Elbes D, Denost Q, Robert B, Köhler MO, Tanter M, Bruno Q. Magnetic resonance imaging for the exploitation of bubble-enhanced heating by high-intensity focused ultrasound: A feasibility study in ex vivo liver. *Ultrasound in Medicine and Biology* 2014;40 (5) 956-964.
- Elghoul Y, Frikha M, Abdelmlak S, Chtourou H, Dammak K, Chamari K, Souissi N. Time-of-day effect on dart-throwing performance and the perception of the difficulty of the task in 9-10 year-old boys *Biological Rhythm Research* 2014; 45 (4): 523-532.
- Elliott GD, Wang S, Fuller BJ. Cryoprotectants: A review of the actions and applications of cryoprotective solutes that modulate cell recovery from ultra-low temperatures. *Cryobiology* 2017, 76: 74-91.
- Ellis-Hutchings RG, Moore NP, Marshall VA, Rasoulpour RJ, Carney EW. Disposition of glycolic acid into rat and rabbit embryos in vitro. *Reproductive Toxicology* 2014; 46: 46-55.
- Ellul C, Formosa C, Gatt A, Hamadani AA, Armstrong DG. The Effectiveness of Calf Muscle Electrostimulation on Vascular Perfusion and Walking Capacity in Patients Living with Type 2 Diabetes Mellitus and Peripheral Artery Disease. *International Journal of Lower Extremity Wounds* 2017, 16 (2): 122-128.
- Elstad M, Vanggaard L, Lossius AH, Walløe L, Kristin Bergersen T. Responses in acral and non- acral skin vasomotion and temperature during lowering of ambient temperature. *Journal of Thermal Biology* 2014; 45: 168-174.
- Elzein F, Mohammed N, Ali N, Bahloul A, Albadani A, Alsherbeeni N. Pulmonary manifestation of Plasmodium falciparum malaria: Case reports and review of the literature. *Respiratory Medicine Case Reports* 2017, 22: 83-86.
- Endo K, Norimatsu K, Nakamura T, Setoya T, Nakamae K. Thermoreflectance mapping observation of Power MOSFET under UIS, avalanche breakdown condition. *Microelectronics Reliability* 2015; 55(9)-10: 1628-1633
- Eng CC, Ibrahim NA, Zainuddin N, Ariffin H, Yunus WZW. Impact strength and flexural properties enhancement of methacrylate silane treated oil palm mesocarp fiber reinforced biodegradable hybrid composites. *Scientific World Journal* 2014; 2014.
- Eng JW-L, Reed CB, Kokolus KM, Repasky EA. Housing temperature influences the pattern of heat shock protein induction in mice following mild whole body hyperthermia. *International Journal of Hyperthermia* 2014; 2014; 30 (8) 540-546.
- Engin B, Keçici AS, Yilmaz S, Kutlubay Z, Serdaroğlu S, Tüzün Y. Infrared imaging in diagnosis of dysplastic nevi and malignant melanoma [Kızılötesi ışık ile atipik nevus ve malign melanom tesbiti]. *Türkiye Klinikleri Journal of Medical Sciences* 2016; 36 (1) 14-21
- Englisz B, Cholewka A, Firganek E, Baic A, Knefel G, Lizka G, Kawecki M; Nowak M. Effect of hyperbaric oxygen therapy on delayed wound healing evaluated by thermal imaging and planimetry. *Thermology international* 2017; 27 (2) 72
- Engorn BM, Kahntroff SL, Frank KM, Singh S, Harvey HA, Barkulis CT, Barnett AM, Olambiwonnu OO, Heitmiller ES, Greenberg RS. Perioperative hypothermia in neonatal intensive care unit patients: effectiveness of a thermoregulation intervention and associated risk factors. *Paediatric Anaesthesia* 2017, 27 (2): 196-204.
- Ensom MHH, Décarie D. Stability of extemporaneously compounded clonidine in glass and plastic bottles and plastic syringes. *Canadian Journal of Hospital Pharmacy* 2014; 67 (4): 308-310.
- Environmental Research Letters* 2016; 11 (6), art no 064004
- Eppard E, Homann T, De La Fuente A, Essler M, Rosch F. Optimization of labeling PSMABED with ethanol-

postprocessed 68ga and its quality control systems. *Journal of Nuclear Medicine* 2017, 58 (3): 432-437.

Epperla CP, Chen OY, Chang H-C. Gold/diamond nanohybrids may reveal how hyperlocalized hyperthermia kills cancer cells. *Nanomedicine* 2016; 11 (5) 443-445

Eppeleston J, Begg DJ, Dhand NK, W att B, Whittington RJ. Environmental survival of *Mycobacterium avium* subsp. paratuberculosis in different climatic zones of eastern Australia. *Applied and Environmental Microbiology* 2014; 80 (8): 2337-2342.

Erbay C, Carreon-Bautista S, Sanchez-Sinencio E, Han A. High performance monolithic power management system with dynamic maximum power point tracking for microbial fuel cells. *Environmental Science and Technology* 2014; 48 (23): 13992-13999.

Erel VK, Özkan HS. Thermal camera as a pain monitor. *Journal of Pain Research* 2017, 10: 2827-2832.

Erelli R, Saha AK, Panigrahy PK. K, influence of turn geometry on turbulent fluid flow and heat transfer in a stationary two-pass square duct. *International Journal of Heat and Mass Transfer* 2015; 89: 667-684

Ergin M, Erdogan S, Akturk O, Erel O. The effects of transport by car on coagulation tests. *Clinical Chemistry and Laboratory Medicine* 2017, 55 (12): 1943-1947.

Eristow Nogueira F, Brioschi ML Jacobsen Teixeira M. Acupuncture induced thermographic alterations (extended abstract). *Thermology international* 2014; 24(1) 17

Erlinge D, Götberg M, Lang I, Holzer M, Noc M, Clemmensen P, Jensen U, Metzler B, James S, Bötter HE, Omerovic E, Engblom H, Carlsson M, Arheden H, Östlund O, Wallentin L, Harenek J, Olivecrona GK. Rapid endovascular catheter core cooling combined with cold saline as an adjunct to percutaneous coronary intervention for the treatment of acute myocardial infarction: The CHILL- MI trial: A randomized controlled study of the use of central venous catheter core cooling combined with cold saline as an adjunct to percutaneous coronary intervention for the treatment of acute myocardial infarction. *Journal of the American College of Cardiology* 2014; 63 (18): 1857- 1865.

Eronina TB, Chebotareva NA, Sluchanko NN, Mikhaylova VV, Makeeva VF, Roman SG, Kleymenov SY, Kurganov BI. Dual effect of arginine on aggregation of phosphorylase kinase. *International Journal of Biological Macromolecules* 2014; 68, 225-232.

Eronina TB, Chebotareva NA, Sluchanko NN, Mikhaylova VV, Makeeva VF, Roman SG, Kleymenov S.Y, Kurganov BI. Dual effect of arginine on aggregation of phosphorylase kinase *International Journal of Biological Macromolecules* 2014; 68: 225-232.

Erratum: Comparison of rectal and aural core body temperature thermometry in hyperthermic exercising individuals: A meta-analysis (*Journal of Athletic Training* 49:1 (138) DOI: 10.4085/1062- 6050-49.1.10)) *Journal of Athletic Training* 2014; 49 (1), p. 138.

Ertürk MA, Hegde SS, Bottomley PA. Radiofrequency ablation MR thermometry and high-spatial- resolution MR parametric imaging with a single minimally invasive device. *Radiology* 2016; 281 (3) 927- 932

Escamilla-Galindo VL, Estal-Martínez A, Adamczyk JG, Brito CJ, Arnaiz-Lastras J, Sillero-Quintana M. Skin temperature response to unilateral training measured with infrared thermography. *Journal of Exercise Rehabilitation* 2017, 13 (5): 526-534.

Esenaliev RO. Optoacoustic monitoring of physiologic variables. *Frontiers in Physiology* 2017, 8: art. no. 1030.

Esfahani AJ, Mahdavi SR, Shiran MB, Khoei S The role of radiofrequency hyperthermia in the radiosensitization of a human prostate cancer cell line. *Cell Journal* 2017, 19 (Supplement 1) 86-95.

Eshraghi Y, Nasr V, Parra-Sanchez I, Van Duren A, Botham M, Santoscoy T, Sessler DI. An evaluation of a zero-heat-flux cutaneous thermometer in cardiac surgical patients. *Anesthesia and Analgesia* 2014; 119 (3): 543-549.

Esposito E, Ebner M, Ziemann U, Poli S. In cold blood: Intraarterial cold infusions for selective brain cooling in stroke. *Journal of Cerebral Blood Flow and Metabolism* 2014; 34 (5): 743-752.

Esposito G, Nakazawa J, Ogawa S, Stival R, Kawashima A, Putnick DL, Bornstein MH. Baby you light-up my face: Culture-general physiological responses to infants and culture-specific cognitive judgements of adults. *PLoS ONE* 2014; 9 (10), art. no. e106705.

Esposito G, Nakazawa J, Ogawa S, Stival R, Putnick DL, Bornstein MH. Using Infrared thermography to assess emotional responses to infants. *Early Child Development and Care* 2015; 185 (3): 438-447

Estes III NAM. EP news: Clinical. *Heart Rhythm* 2014; 11 (4), p. 743.

Ettrich U, Konrad B, Prate K, Seifert J, Krummenauer F. Mild whole body hyperthermia in combination with inpatient multimodal oriented pain therapy Evaluation in patients with chronic unspecific lumbar back pain [Milde Ganzkörperhyperthermie in Kombination mit stationärer multimodal orientierter Schmerztherapie: Evaluation bei Patienten mit chronischem unspezifischem lumbalem Rückenschmerz]. 2014; *Orthopäde* 43 (2) 165-174.

European Archives of Oto-Rhino-Laryngology 2014; 271 (6): 1477- 1483.

European Archives of Oto-Rhino-Laryngology 2016; 273 (9) 2659-2667

European Journal of Applied Physiology 2014; 114 (1): 93-103.

European Journal of Pharmaceutics and Biopharmaceutics 2014; 87 (2) 329- 337.

European Journal of Pharmacology 2014; 737, 47-56.

Evron S, Weissman A, Toivis V, Shahaf DB, You J, Sessler DI, Ezri T. Evaluation of the temple touch pro a novel noninvasive coreerature monitoring system. *Anesthesia and Analgesia* 2017, 125 (1): 103-109.

Exarchos DA, Dalla PT, Tragazikis IK, Matikas TE. The effect of CNTs reinforcement on thermal and electrical properties of cement based materials. In: Peters KI, ed, *Proceedings of SPIE, Conference on Smart Sensor Phenomena Technology Networks and Systems integration*, MAR 09-10 2015 San Diego CA, 2015; pp. 94360E-94360E-7.

Exarchos DA, Tragazikis I, Psarobas I, Matikas TE. Characterization of Phononic Heterostructures by Infrared Thermography. In: Hsieh SI, Zalameda JN, eds *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23 2015 Baltimore MD, 2015; pp. 94850Y- 94850Y-8.

Experimental Biology 2014; 217 (7) 1072-1078.

Eyvazzadeh N, Shakeri-Zadeh A, Fekrazad R, Amini E, Ghaznavi H, Kamran Kamrava S. Gold-coated magnetic nanoparticle as a nanotheranostic agent for magnetic resonance imaging and photothermal therapy of cancer. *Lasers in Medical Science* 2017, 32 (7): 1469-1477.

F. A 2 kfps Sub-mu W/Pix Uncooled-PbSe Digital Imager with 10 Bit DR, Adjustment and FPN Correction for High-Speed and Low-Cost MWIR, Applications. *IEEE Journal of Solid-State Circuits* 2015; 50 (10): 2394-2405

Facchinetti M, Florin P, Doudard C, Calloch S. Identification of Self-Heating Phenomena Under Cyclic Loadings Using Full-Field Thermal and Kinematic Measurements: Application to High-Cycle Fatigue of Seam Weld Joints. *Experimental Mechanics* 2015; 55 (4): 681-698

Faibish D, Gomes A, Boivin G, Binderman I, Boskey A. Erratum: Corrigendum to "Infrared imaging of calcified tissue in bone biopsies from adults with osteomalacia" (*Bone* (2005) 36(1) (6–12) (S8756328204003412) (101016/jbone200408019)). *Bone* 2016; 93, p 237

Faisal M, Shahab U, Alatar AA, Ahmad S. Preferential recognition of auto-antibodies against 4-hydroxynonenal modified DNA in the cancer patients. *Journal of Clinical Laboratory Analysis* 2017, 31 (6), art. no. e22130.

Faizi M, Farrier AJ, Venkatesan M, Thomas C, Uzoigwe CE, Balasubramanian S, Smith RP. Is body temperature an independent predictor of mortality in hip fracture patients? *Injury* 2014; 45 (12): 1942-1945.

Falkenstein F, Gutknecht N, Franzen R. Analysis of laser transmission and thermal effects on the inner root surface during periodontal treatment with a 940-nm diode laser in an in vitro pocket model. *Journal of Biomedical Optics* 2014; 19 (12), art. no. 128002.

Fallucco MA, Snell CP, Desai AR. DIEP flap customization using Fluobeam® indocyanine green tissue perfusion assessment with large previous abdominal scar. *JPRAS Open* 2017, 12: 25-30.

Fan CL, Wang HL, Zhang L, Yang L, Sun FR. A fake defect phenomenon in defect detection of thermographic NDT: a three-dimensional numerical analysis. In: Gong H, Wu N, Ni Y, Chen W, Lu J, eds, *Proceedings of SPIE Annual Conference of the Chinese-Society-for-Optical-Engineering on Applied Optics and Photonics China (AOPC)*, MAY 05-07 2015 Beijing China, 2015; pp. 967435-967435-9.

Fan J, Guo X, Wu C, Crupj V, Guglielmino E. Influence of Heat Treatments on Mechanical Behavior of FV520B Steel. *Experimental Techniques* 2015; 39 (2): 55-64

Fan JL, Guo XL, Wu CW, Zhao YG, Guo Q. Stress assessment and fatigue behavior evaluation of components with defects based on the finite element method and lock-in thermography. *Proceedings of The Institution of Mechanical Engineers Part C-Journal of, Mechanical Engineering Science* 2015; 229 (7): 1194-1205

Fang X, Yang S, Chingin K, Zhu L, Zhang X, Zhou Z, Zhao Z. Quantitative detection of trace malachite green in aquiculturewater samples by extractive electrospray ionization mass spectrometry. *International Journal of Environmental Research and Public Health* 2016; 13 (8), art no 814

Fang Y, Zhang W, Zhu M, Chen S, Liu X, Lu W, Zhang X. Characterization of a near-infrared fluorescent DCPO-tagged glucose analogue for cancer cell imaging. *Journal of Photochemistry and Photobiology B: Biology* 2017, 166: 264-271.

Fani F, Schena E, Saccomandi P, Silvestri S. CT-based thermometry: An overview. *International Journal of Hyperthermia* 2014; 2014; 30 (4) 219-227.

Fanning E, Persoons T, Murray DB. Heat transfer and flow characteristics of a pair of adjacent impinging synthetic jets. *International Journal of Heat and Fluid Flow* 2015; 54: 153-166

Farges O, Boleslawski E, Vibert E. Reply to "relevance of Postoperative Peak Transaminase after Elective Hepatectomy". *Annals of Surgery* 2017, 266(6) e60-e61

Farhat M, Chen PY, Bagci H, Amra C, Guenneau S, Alu A. Thermal invisibility based on scattering cancellation and mantle cloaking. *Scientific Reports* 2015; 5: 9876

Faroongsarng D, Kongprasertkit J. The Role of Caprylate Ligand Ion on the Stabilization of Human Serum Albumin. *AAPS PharmSciTech* 2014; 15 (2) 465-471.

Farrell AP, Eliason EJ, Clark TD, Steinhausen MF. [Oxygen removal from water versus arterial oxygen delivery:](#)

calibrating the Fick equation in Pacific salmon. *Journal of Comparative Physiology B: Biochemical Systemic and Environmental Physiology* 2014;184 (7) 855-864.

Farronato G, Cossellu G, Miani A, Ceschel G, Tremolati M, Picozzi V, Angiero F. Effect of thermosetting gel with Doxycycline Hyclate 3% + Ketorolac Tromethamine 0.5% on postoperative discomfort after third molar surgery: A prospective randomized study. *European Journal of Inflammation* 2014; 12 (1): 203-208.

Fasano A, Anfuso L, Arena G, Pandozi C. Thermal field in cryoablation procedures for pulmonary veins isolation: Importance of esophageal temperature monitoring. *Journal of Atrial Fibrillation* 2017, 9 (6).

Fasano A. Monitoring esophageal temperature during catheter ablation. *Journal of Atrial Fibrillation* 2017, 10:2.

Fasano A. Reliability of luminal oesophageal temperature monitoring during pulmonary veins isolation. *Europace* 2017, 19 (8), p. 1411.

Fassoulaki A, Paraskeva A, Tsaroucha A. Cesarean delivery under spinal anesthesia is associated with decreases in cerebral oxygen saturation as assessed by NIRS: An observational study. *Current Medical Research and Opinion* 2014; 30 (3): 331-337.

Fatima S, Mohanty AR, Naikan VNA. A misalignment detection methodology by measuring rate of temperature rise of shaft coupling using thermal imaging. *Proceedings of The Institution of Mechanical Engineers Part O-Journal of Risk and Reliability* 2015; 229 (3): 209-219

Favazza CP, Edmonson HA, Ma C, Shu Y, Felmlee JP, Watson RE, Gorny KR. Evaluation of feasibility of 1.5 Tesla prostate MRI using body coil RF transmit in a patient with an implanted vagus nerve stimulator. *Medical Physics* 2017, 44 (11): 5749-5754.

Favazza CP, King DM, Edmonson HA, Felmlee JP, Rossman PJ, Hangiandreou NJ, Watson RE, Gorny KR. Use of a radio frequency shield during 1.5 and 3.0 tesla magnetic resonance imaging: Experimental evaluation *Medical Devices: Evidence and Research* 2014; 7: 363-370.

Favero M, Ramonda R, Rossato M. Efficacy of intra-articular corticosteroid injection in erosive hand osteoarthritis: infrared thermal imaging. *Rheumatology (Oxford England)* 2017, 56 (1), p. 86.

Favi PM, Zhang Q, O'Neill H, Mamontov E, Diallo SO. Dynamics of lysozyme and its hydration water under an electric field. *Journal of Biological Physics* 2014; 40 (2): 167-178.

Fazel Bakhsheshi M, Stewart EE, Tai JH, Morrison L, Keenlside L, Lee T-Y. Efficacy of Selective Brain Cooling Using a Nasopharyngeal Method in Piglets. *Neurocritical Care* 2016; 24 (1) 140-149

Fein M, Quinn J, Watt K, Nichols T, Kimble R, Cuttle L. Prehospital paediatric burn care: New priorities in paramedic reporting. *EMA - Emergency Medicine Australasia* 2014; 26 (6): 609-615.

Feketa VV, Zhang Y, Cao Z, Balasubramanian A, Flores CM, Player MR, Marrelli SP. Transient receptor potential melastatin 8 channel inhibition potentiates the hypothermic response to transient receptor potential vanilloid 1 activation in the conscious mouse. *Critical Care Medicine* 2015, 42 (5): e355-e363.

Feng B, Tang Y-S, Chen B, Dai Y-J, Xu C-L, Xu Z-H, Zhang X-N, Zhang S-H, Hu W-W, Chen Z. Dysfunction of thermoregulation contributes to the generation of hyperthermia-induced seizures. *Neuroscience Letters* 2014; 581: 129-134.

Feng Z, Li J, Qiao X, Li L, Yang H, Hu M. A thermally annealed Mach-Zehnder interferometer for high temperature measurement. *Sensors (Basel Switzerland)* 2014; 14 (8): 14210-14221.

Fenner K, Yoon S, White P, Starling M, McGreevy P. The effect of noseband tightening on horses' behavior eye temperature and cardiac responses. *PLoS ONE* 2016; 11 (5), art no e0154179

Fenollera M, Miguez JL, Goicoechea I, Lorenzo J. Experimental Study on Thermal Conductivity of Self-Compacting Concrete with Recycled Aggregate. *Materials* 2015; 8 (7): 4457-4478

Fenot M, Dorignac E, Lalizel G. Heat transfer and flow structure of a multichannel impinging jet. *International Journal of Thermal Sciences* 2015; 90: 323-338

Fenwick AQ, Luca OR. The Formation of CO by Thermal Decomposition of Formic Acid under Electrochemical Conditions of CO₂ Reduction. *Journal of Photochemistry and Photobiology B: Biology* 2014; Article in Press.

Fernandes AA, Amorim PRS, Brito CJ, Sillero-Quintana M, Marins JCB. Regional skin temperature response to moderate aerobic exercise measured by infrared thermography. *Asian Journal of Sports Medicine* 2016; 7 (1), art no e29243 2016; 8 p

Fernandes AA, Pimenta EM, Moreira DG, Sillero-Quintana M, Bouzas Marins JC, Morandi RF, Kanope T, Garcia ES. Effect of a professional soccer match in skin temperature of the lower limbs: A case study. *Journal of Exercise Rehabilitation* 2017, 13 (3): 330-334.

Fernandes GW, Ueta CB, Fonseca TL, Gouveia CHA, Lancellotti CL, Brum PC, Christoffolete MA, Bianco AC, Ribeiro MO. Inactivation of the adrenergic receptor β_2 disrupts glucose homeostasis in mice. *Journal of Endocrinology* 2014; 221 (3) 381-390.

Fernandes H, Ibarra-Castaneda C, Zhang H, Maldague X. Thermographic Non-destructive Evaluation of Carbon Fiber-Reinforced, Polymer Plates After Tensile Testing. *Journal of Non-destructive Evaluation* 2015; 34(4) 35.1-35.10

- Fernandes H, Zhang H, Ibarra-Castanedo C, Maldague X. Fiber orientation assessment on randomly- oriented strand composites by means of Infrared thermography. *Composites Science and Technology* 2015; 121: 25-33
- Fernandes H, Zhang H, Maldague X. An active Infrared thermography method for fiber orientation assessment of fiber-reinforced composite materials. *Infrared Physics & Technology* 2015; 72: 286-292
- Fernandes HC, Maldague X. Fiber orientation assessment in complex shaped parts reinforced with carbon fiber using Infrared thermography. *Quantitative Infrared Thermography Journal* 2015; 12 (1): 64-79
- Fernández-Caballero A, López MT, Serrano-Cuerda J. Thermal-infrared pedestrian ROI extraction through thermal and motion information fusion. *Sensors (Basel Switzerland)* 2014; 14 (4): 6666- 6676.
- Fernández-Cuevas I, Grams L, Marins J, Sillero-Quintana M. Skin temperatura differences between aerobic and anaerobic training (extended abstract). *Thermology international* 2015, 25(3) 127.
- Fernandez-Cuevas I, Marins JCB, Lastras JA, Carmona PMG, Carlo SP, Garcia-Concepcion MA, Sillero- Quintana M. Sillero-Quintana Manuel. Classification of factors influencing the use of Infrared thermography in humans: A review. *Infrared Physics & Technology* 2015; 71: 28-55
- Ferrara F. Sclero-resistance sclero-sensibility and sclero-sensitization. *Phlebologie - Annales Vasculaires* 2014; 67 (1): 15-20.
- Ferrari A, Fiorino E, Longo R, Barilla S, Mitro N, Cermentati G, Giudici M, Caruso D, Mai A, Guerrini U, De Fabiani E, Crestani M. Attenuation of diet-induced obesity and induction of white fat browning with a chemical inhibitor of histone deacetylases. *International Journal of Obesity* 2017, 41 (2): 289-298.
- Ferraz C, Moreira da Silva J, Mendes L. Assessment of stress recovery by thermography (extended abstract). *Thermology international* 2015, 25(3) 132
- Ferreira M, Mação P, Neves N, Dias A, Ferreira G, Carvalho L, Robalo C. Seizures in an adolescent with termic desregulation [Crises convulsivas num adolescente com desregulação térmica]. *Sinapse* 2014; 14 (1): 34-37.
- Ferreira Neto AR, Brioschi ML, Jacobsen Teixeira M, Thermography and ocular uveitis. (abstract) *Thermology international* 2014; 24(1) 14
- Ferreira UM, Fortes MZ, Dias BH, Maciel RS. Thermography as a Tool in Electric Panels Maintenance. *IEEE Latin America Transactions* 2015; 13 (9): 3005-3009
- Ferreira-Junior JB, Bottaro M, Loenneke JP, Vieira A, Vieira CA, Bemben MG. Could whole-body cryotherapy (below -100°C) improve muscle recovery from muscle damage? *Frontiers in Physiology* 2014; art. no. 00247.
- Ferri F, Ambrosini E, Pinti P, Merla A, Costantini M. The role of expectation in multisensory body representation – neural evidence. *European Journal of Neuroscience* 2017, 46(3) 1897-1905.
- Fertig F, Padilla M, Breitenstein O, Hoffler H, Geisemeyer I, Schubert MC, Rein S. Short-circuit current density imaging methods for silicon solar cells. *Energy Procedia* 2015; 77: 43-56
- Feyzi S, Varidi M, Zare F, Varidi MJ. Fenugreek (*Trigonella foenum graecum*) seed protein isolate: extraction optimization amino acid composition thermo and functional properties. *Journal of The Science of Food and Agriculture* 2015; 95(1)5: 3165-3176
- Ficke BW, Ransom EF, Oakes JE. Near-Infrared Vein Visualization in Index Finger Pollicization. *Journal of Hand Surgery* 2017, 42(6) 481.e1-481.e2.
- Figueroa SA, Zhao W, Aiyagari V. Emergency and critical care management of acute ischaemic stroke. *CNS Drugs* 2015; 29 (1) 17-28. (ePub 13 November 2014)
- Filatov S. Little pigeons can carry great messages: Potential distribution and ecology of *Uranotaenia (Pseudoficalbia) unguiculata* Edwards 1913 (Diptera: Culicidae), a lesser-known mosquito species from the Western Palaearctic. *Parasites and Vectors* 2017, 10 (1), art. no. 464.
- Filatova DU, Veraksa AN, Berestin DK, Streltsova TV. Stochastic and chaotic assessment of human's neuromuscular system in conditions of cold exposure. *Human Ecology (Russian Federation)* 2017, (8): 15-20.
- Filho FB, Alves AO. Neglected tumor in a female with albinism. *Pan African Medical Journal* 2017, 28, art. no. 195.
- Filingeri D, Fournet D, Hodder S, Havenith G. Body mapping of cutaneous wetness perception across the human torso during thermo-neutral and warm environmental exposures. *Journal of Applied Physiology* 2014; 117 (8): 887-897.
- Filingeri D, Fournet D, Hodder S, Havenith G. Why wet feels wet? A neurophysiological model of human cutaneous wetness sensitivity. *Journal of Neurophysiology* 2014; 112 (6): 1457-1469.
- Filipowska J, Łoziński T. Magnetic resonance-guided high-intensity focused ultrasound (MR-HIFU) in treatment of symptomatic uterine myomas. *Polish Journal of Radiology* 2014; 79 (1): 439-443.
- Filippello A, Porcheron J, Klein JP, Cottier M, Barabino G. Affinity of Indocyanine Green in the Detection of Colorectal Peritoneal Carcinomatosis: The Role of Enhanced Permeability and Retention Effect. *Surgical Innovation* 2017, 24 (2): 103-108.
- Finc M, Kek T, Grum J. Quality control of crimped joint contacts with conductors through thermography. *Insight* 2015; 57 (5): 257-265

- Fink C, Haenssle HA. Non-invasive tools for the diagnosis of cutaneous melanoma. *Skin Research and Technology* 2017, 23 (3): 261-271.
- Fink C, Haenssle HA. Non-invasive tools for the diagnosis of cutaneous melanoma. *Skin Research and Technology* Article in Press
- Fiodorenko-Dumas Z, Rabczyński M, Paprocka-Borowicz M, Małecki R, Adamiec R. Changes in the haemodynamics of blood flow to the lower limbs on example of thermography measurements [Zmiany w hemodynamice przepływu krwi w kończynach dolnych na przykładzie pomiarów termograficznych]. *Acta Angiologica* 2014; 20 (4): 141-146.
- Fischer M, Katan M, Morgenthaler NG, Seiler M, Müller B, Lackner P, Errath M, Helbok R, Pfausler B, Beer R, Schmutzhard E, Broessner G. The prognostic value of midregional proatrial natriuretic peptide in patients with hemorrhagic stroke. *Cerebrovascular Diseases* 2014; 37 (2): 128-133.
- Fischer S, Gambaryan-Roisman T, Stephan P. On the development of a thin evaporating liquid film at a receding liquid/vapour-interface. *International Journal of Heat and Mass Transfer* 2015; 88: 346-356
- Fischer S. Proteomic approach in diagnosis and therapy (abstract). *Thermology international* 2015, 25(1) 31
- Fisher-Hubbard AO, Sung L, Hubbard SA, Hlavaty L. Hyperthermia Thermal Injuries and Death from a Forced Convection Heat Source: A Case Report and Experimental Model. *Journal of Forensic Sciences* 2017, 62 (3): 686-690.
- Fisher-Hubbard AO, Sung L, Hubbard SA, Hlavaty L. Hyperthermia Thermal Injuries and Death from a Forced Convection Heat Source: A Case Report and Experimental Model. *Journal of Forensic Sciences* Article in Press
- Fishman PS, Frenkel V. Focused Ultrasound: An Emerging Therapeutic Modality for Neurologic Disease. *Neurotherapeutics* 2017, 14 (2): 393-404.
- Fissore D. Model-based PAT for quality management in pharmaceuticals freeze-drying: State of the art. *Frontiers in Bioengineering and Biotechnology* 2017, 5 : art. no. 5.
- Fitzgerald DC, Darling EM, Cardona MF. Staffing Equipment Monitoring Considerations for Extracorporeal Membrane Oxygenation. *Critical Care Clinics* 2017, 33 (4): 863-881.
- Fitzmaurice M. The use of thermal imagery for intrusion detection in a public transit environment. *Proceedings of ASME Joint Rail Conference (JRC2015) MAR 23-26, 2015, Mineta Transportat inst San Jose CA 2015, pp. V001T06A009-V001T06A009.*
- Fiz JA, Lozano M, Monte-Moreno E, Gonzalez-Martinez A, Faundez-Zanuy M, Becker C, Pons-Rodriguez L, Manzano JR. Tuberculine reaction measured by Infrared thermography. *Computer Methods and Programs in Biomedicine* 2015; 122(2): 199-206
- Fleck M. Are different temperatures in axillary and auricular measurement possible? [Temperaturunterschiede bei axillärer und aurikulärer Messung möglich?] *Deutsche Medizinische Wochenschrift* 2014; 139 (7), p. 344.
- Fleischer CC, Wu J, Qiu D, Park S-E, Nahab F, Dehkharghani S. The brain thermal response as a potential neuroimaging biomarker of cerebrovascular impairment. *American Journal of Neuroradiology* 2017, 38 (11): 2044-2051.
- Flo A, Díez-Noguera A, Calpena A.C, Cambras T. Circadian rhythms on skin function of hairless rats: Light and thermic influences. *Experimental Dermatology* 2014; 23 (3): 214-216.
- Florez-Ospina JF, Benitez-Restrepo HD. Toward automatic evaluation of defect detectability in Infrared images of composites and honeycomb structures. *Infrared Physics & Technology* 2015; 71: 99-112
- Floros M.C, Leão AL, Narine SS. Vegetable oil derived solvent and catalyst free "click chemistry" thermoplastic polytriazoles. *BioMed Research International* 2014; 2014, art. no. 792901.
- Flouris AD, Bravi A, Wright-Beatty HE, Green G, Seely AJ, Kenny GP. Heart rate variability during exertional heat stress: Effects of heat production and treatment. *European Journal of Applied Physiology* 2014; 114 (4): 785-792.
- Flouris AD, Poirier MP, Bravi A, Wright-Beatty HE, Herry C, Seely AJ, Kenny GP. Changes in heart rate variability during the induction and decay of heat acclimation. *European Journal of Applied Physiology* 2014; 114 (10): 2119-2128.
- Flouris AD, Wright-Beatty HE, Friesen BJ, Casa DJ, Kenny GP. Treatment of exertional heat stress developed during low or moderate physical work. *European Journal of Applied Physiology* 2014; 114 (12): 2551-2560.
- Fochesato PR, Brioschi ML, Jacobsen Teixeira M. Chronic pain in left hand after trauma identified by thermography (extended abstract). *Thermology international* 2014; 24(1) 20-21
- Foda E, Sirén K. Evaluating the thermal comfort performance of heating systems using a thermal manikin with human thermoregulatory control. *Indoor and Built Environment* 2016; 25 (1) 191-202
- Foltran MA, Brioschi ML, Jacobsen Teixeira M. Case report: thermography and peripheral vascular disease (extended abstract). *Thermology international* 2014; 24(1) 20
- Fonda B, De Nardi M, Sarabon N. Effects of whole-body cryotherapy duration on thermal and cardio-vascular response. *Journal of Thermal Biology* 2014; 42 (1): 52-55.

Fong SSM, Ng SSM, Luk WS, Chung JWY, Leung JCY, Masters RSW. Effects of a 6-month Tai Chi Qigong program on arterial hemodynamics and functional aerobic capacity in survivors of nasopharyngeal cancer. *Journal of Cancer Survivorship* 2014; 8 (4) 618-626.

Fonseca F, Meneghel J, Cenard S, Passot S, Morris GJ. Determination of intracellular vitrification temperatures for unicellular micro organisms under conditions relevant for cryopreservation. *PLoS ONE* 2016; 11 (4), art no 0152939

Fontseré N, Mestres G, Burrel M, Barrufet M, Montaña X, Arias M, Ojeda R, Maduell F, Campistol JM. Observational study of surveillance based on the combination of online dialysance and thermodilution methods in hemodialysis patients with arteriovenous fistulas. *Blood Purification* 2014; 37 (1): 67-72.

Fornaini C, Merigo E, Poli F, Cavatorta C, Rocca J-P, Selleri S, Cucinotta A. Use of 1070 nm fiber lasers in oral surgery: Preliminary ex vivo study with FBG temperature monitoring. *Laser Therapy* 2017, 26 (4): 311-318.

Fornaini C, Merigo E, Vescovi P, Bonanini M, Antonietti W, Leoci L, Lagori G, Meleti M. Different laser wavelengths comparison in the second-stage implant surgery: an ex vivo study. *Lasers in Medical Science* 2014; 30 (6): 1631-1639.

Forrest AJ, Juliano ML, Conley SP, Cronyn PD, McGlynn A, Auten JD. Temporal artery and axillary thermometry comparison with rectal thermometry in children presenting to the ED. *American Journal of Emergency Medicine* 2017, 35 (12): 1855-1858.

Forster MA. How significant is nocturnal sap flow? *Molecular Human Reproduction* 2014; 34 (7), art. no. tpu051: 757-765.

Foster GE, Koehle MS, Dominelli PB, Mwangi FM, Onywera VO, Boit MK, Tremblay JC, Boit C, William Sheel A. Pulmonary mechanics and gas exchange during exercise in Kenyan distance runners. *Medicine and Science in Sports and Exercise* 2014; 46 (4) 702-710.

Foster J, Mauger A, Thomasson K, White S, Taylor L. Effect of acetaminophen ingestion on thermoregulation of normothermic non-febrile humans. *Frontiers in Pharmacology* 2016; 7 (MAR), art no 54

Foster KR, Ziskin MC, Balzano Q. Thermal modeling for the next generation of radiofrequency exposure limits: Commentary. *Health Physics* 2017, 113 (1): 41-53.

Foudazi A, Ghasr MT, Donnell KM. Characterization of Corroded Reinforced Steel Bars by Active Microwave Thermography. *IEEE Transactions On Instrumentation and Measurement* 2015; 64 (9): 2583-2585

Fox M, Coley D, Goodhew S, De Wilde P. Time-lapse thermography for building defect detection. *Energy and Buildings* 2015; 92: 95-106

Fraiwan L, AlKhodari M, Ninan J, Mustafa B, Saleh A, Ghazal M. Diabetic foot ulcer mobile detection system using smart phone thermal camera: A feasibility study. *BioMedical Engineering Online* 2017, 16 (1), art. no. 117.

Francis SV, Sasikala M, Saranya S. Detection of breast abnormality from thermograms using curvelet transform based feature extraction. *Journal of Medical Systems* 2014; 38 (4).

Franck N, Maris M, Nalbandian S, Talukdar S, Schenk S, Hofmann H.-P, Bullough D, Osborn O. Knock-down of IL-1Ra in obese mice decreases liver inflammation and improves insulin sensitivity. *PLoS ONE* 2014; 9 (9), art. no. e107487.

Franzè, G, Lavrentyev PJ. Microzooplankton growth rates examined across a temperature gradient in the Barents Sea. *PLoS ONE* 2014; 9 (1), art. no. e86429.

Fraser CML, Seebacher F, Lathlean J, Coleman RA. Facing the heat: Does desiccation and thermal stress explain patterns of orientation in an intertidal invertebrate? *PLoS ONE* 2016; 11 (3), art no e0150200

Fraser J. Hot bodies; Cold war: The forgotten history of breast thermography. *CMAJ* 2017, 189 (15): E573-E575.

Fraser K, Abbas M, Hull PR. Flow cytometric analysis of regulatory T cells during hyposensitization of acquired allergic contact dermatitis. *Dermatitis* 2014; 25 (2) 60-65.

Frederick MA, Banks DW, Garzon GA, Matischeck JR. Flight tests of a supersonic natural laminar flow airfoil. *Measurement Science & Technology* 2015; 26 (6) 064003

Frederiks TM, Christopher JT, Sutherland MW, Borrell AK-Post-head-emergence frost in wheat and barley: defining the problem assessing the damage and identifying resistance. *Journal of Experimental Botany* 2015; 66 (12): 3487-3498

Freedman RR. Menopausal hot flashes: Mechanisms endocrinology treatment. *Journal of Steroid Biochemistry and Molecular Biology* 2014; 142, 115-120.

Freire FC, Brioschi ML, Neves EB. Avaliação Dos Efeitos da Acupuntura no IG4 (Hégu) por Termografia de Infravermelho. *Pan American Journal of Medical Thermology* 2015; 2(2) 63-69

Freude T, Gillen S, Ehnert S, Nüssler A, Stöckle U, Charalambakis N, Döbele S, Pscherer S. Therapeutic peritoneal lavage with warm saline solution as an option for a critical hypothermic trauma patient. *Wiener Klinische Wochenschrift* 2014; 126 (1-2): 56-61.

Freundl G, Frank-Herrmann P, Brown S, Blackwell L. A new method to detect significant basal body temperature changes during a woman's menstrual cycle. [European Journal of Contraception and Reproductive Health Care](#)

2014; 19 (5): 392-400.

Freundl G, Gnoth C, Krahlich M. Cycle computers and apps [Zykluscomputer und -Apps]. *Gynakologische Endokrinologie* 2016; 14 (2) 93-104

Freundt M, Obaji A, Hix JK. Managing combined critical hypothermia diabetic ketoacidosis and cocaine intoxication noninvasively. *The American journal of emergency medicine* 2014; 32 (4): 395E5-6.

Friciu M, Roullin VG, Leclair G. Stability of gabapentin in extemporaneously compounded oral suspensions. *PLoS ONE* 2017; 12 (4), art. no. e0175208.

Fried D, Simon JC, Darling CL. A system for simultaneous near-infrared reflectance and transillumination imaging of occlusal carious lesions. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9692, art no 96920A

Friesen BJ, Carter MR, Poirier MP, Kenny GP. Water immersion in the treatment of exertional hyperthermia: Physical determinants. *Medicine and Science in Sports and Exercise* 2014; 46 (9): 1727- 1735.

Frisch NB, Pepper AM, Rooney E, Silverton C. Intraoperative hypothermia in total hip and knee arthroplasty. *Orthopedics* 2017, 40 (1): 56-63.

Frölich MA. Labor epidural fever and chorioamnionitis. *International Anesthesiology Clinics* 2014; 52 (3): 101-109.

Fu Y, Ni J-X, Marmorì F, Zhu Q, Tan C, Zhao J-P. Infrared thermal imaging-based research on the intermediate structures of the lung and large intestine exterior-interior relationship in asthma patients. *Chinese Journal of Integrative Medicine* 2016; 22 (11) 855-860

Fu Y, She C, Zhang Q. [Thyroglossal cyst of double cyst: one case report]. *Lin chuang er bi yan hou tou jing wai ke za zhi = Journal of clinical otorhinolaryngology head and neck surgery* 2014; 28 (5): 343-344.

Fu Y, Xiong X, Jiang C, Xu B, Li Y, Li H Imagined Hand Clenching Force and Speed Modulate Brain Activity and Are Classified by NIRS Combined with EEG. *IEEE Transactions on Neural Systems and Rehabilitation Engineering* 2017, 25(9) 1641-1652.

Fuente R, Rodriguez S, Mendioroz A, Salazar A, Zhukov A, Zhukova V. Thermal Conductivity and Diffusivity Measurements of Glass-Coated Magnetic Microwires Using Lock-in Thermography. *International Journal of Thermophysics* 2015; 36(5-6): 1137-1141

Fugate JE, White RD, Rabinstein AA. Serotonin syndrome after therapeutic hypothermia for cardiac arrest: A case series. *Resuscitation* 2014; 85 (6): 774-777.

Fujii N, Honda Y, Komura K, Tsuji B, Sugihara A, Watanabe K, Kondo N, Nishiyasu T. Effect of voluntary hypocapnic hyperventilation on the relationship between core temperature and heat loss responses in exercising humans. *Journal of Applied Physiology* 2014; 117 (11): 1317-1324.

Fujimoto H, Shiramasa Y, Morisawa K, Hama T, Takuda H. Heat Transfer Characteristics of a Pipe- laminar Jet Impinging on a Moving Hot Solid. *ISIJ International* 2015, 55(9), 1994-2001.

Furch J, Glos J, Blecha J. Identifying the technical condition of rotating parts by means of vibrodiagnostics. *Transactions of Famenia* 2015; 39 (2): 75-86

Furuya K, Tan JJ, Boudreault F, Sokabe M, Berthiaume Y, Grygorczyk R. Real-time imaging of inflation- induced ATP release in the ex vivo rat lung. *American Journal of Physiology - Lung Cellular and Molecular Physiology* 2016; 311 (5) L956-L969

Futyma P, Kułakowski P. Frontal placement of dispersive patch for effective ablation of arrhythmia originating from the anterior right ventricular outflow tract. *Journal of Interventional Cardiac Electrophysiology* 2017, 49 (3), p. 327.

Fyfe KL, Yiallourou SR, Wong FY, Odoi A, Walker AM, Horne RSC. Cerebral oxygenation in preterm infants. *Pediatrics* 2014; 134 (3): 435-445.

Gabrhel J, Popracová Z, Tauchmannová H. Differential Diagnosis of Growth Pains in Thermal and Musculoskeletal Sonographic Imaging (extended abstract). *Thermology international* 2016, 26 (Supplement) S9

Gabrhel J, Popracova Z, Tauchmannova H. Painful elbow syndrome in thermal and musculoskeletal sonographic imaging (extended abstract). *Thermology international* 2017; 27 (2) 75-76

Gabrhel J, Popracová, Z, Tauchmannová, H, Ammer K. The role of infrared thermal imaging and sonography in the assessment of patients with a painful elbow. *Thermology International* 2017, 27 (2): 58-66.

Gaenzler AM, Casapu M, Boubnov A, Muller O, Conrad S, Lichtenberg H, Frahm R, Grunwaldt JD. Operando spatially and time-resolved X-ray absorption spectroscopy and infrared thermography during oscillatory CO oxidation. *Journal of Catalysis* 2015; 328: 216-224

Gagnon D, Matthew Brothers R, Ganio MS, Hastings JL, Crandall CG. Forehead versus forearm skin vascular responses at presyncope in humans. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 307 (7): R908-R913.

Gagnon DD, Gagnon SS, Rintamäki H, Törmäkangas T, Puukka K, Herzig K.-H, Kyröläinen H. The effects of cold exposure on leukocytes hormones and cytokines during acute exercise in humans. *PLoS ONE* 2014; 9 (10), art. no. A1850.

- Gagnon DD, Rintamäki H, Gagnon SS, Oksa J, Porvari K, Cheung SS, Herzig K-H, Kyröläinen H. Fuel selection during short-term submaximal treadmill exercise in the cold is not affected by pre-exercise low-intensity shivering. *Applied Physiology Nutrition and Metabolism* 2014; 39 (3) 282-291.
- Gago J, Douthe C, Coopman RE, Gallego PP, Ribas-Carbo M, Flexas J, Escalona J, Medrano H. UAVs challenge to assess water stress for sustainable agriculture. *Agricultural Water Management* 2015; 153: 9-19
- Gahete MD, Rincón-Fernández D, Villa-Osaba A, Hormaechea-Agulla D, Ibáñez-Costa A, Martínez-Fuentes AJ, Gracia-Navarro F, Castaño JP, Luque RM. Ghrelin gene products receptors and goat enzyme: Biological and pathophysiological insight. *Journal of Endocrinology* 2014; 220 (1) R1-R24.
- Gaikwad V, Kennedy E, Mackie J, Holdsworth C, Molloy S, Kundu S, Stockenhuber M, Dlugogorski B. Reaction of carbon tetrachloride with methane in a non-equilibrium plasma at atmospheric pressure and characterisation of the polymer thus formed. *Journal of Hazardous Materials* 2014; 280: 38-45.
- Galle T, De Waele W, Van Wittenberghe J, De Baets P. Evaluation of a numerical model for tapered threaded connections subjected to combined loading using enhanced experimental measurement techniques. *Journal of Strain Analysis for Engineering Design* 2015; 50 (8): 561-570
- Galleguillos C, Zorrilla A, Jimenez A, Diaz L, Montiano AL, Barroso M, Viguria A, Lasagni F. Thermographic non-destructive inspection of wind turbine blades using unmanned aerial systems. *Plastics Rubber and Composites* 2015; 44 (3): 98-103
- Galluccio F, Allanore Y, Czizjak L, Furst DE, Khanna D, Matucci-Cerinic M. Points to consider for skin ulcers in systemic sclerosis. *Rheumatology (Oxford England)* 2017, 56 (5): v67-v71.
- Ganjoo S, Ahmad K, Qureshi UA, Mir ZH. Clinical Epidemiology of SIRS and Sepsis in Newly Admitted Children. *Indian Journal of Pediatrics* 2014; 82 (8): 698-702.
- Gao H, Hu G, Liu K, Wu L. Preparation of waterborne dispersions of epoxy resin by ultrasonic-assisted supercritical CO₂ nanoemulsification technique. *Ultrasonics Sonochemistry* 2017, 39: 520-527.
- Gao H, Wu S, Wang X, Hu R, Zhou Z, Sun X. Temperature simulation of microwave ablation based on improved specific absorption rate method compared to phantom measurements. *Computer Assisted Surgery* 2017, 22: 9-17.
- Gao JM, Li W, Liu Y, Jj XQ, Cheng J, Dong YB, Chen CY, Feng BB, Lu J, Yj P, Yang QW. CA HL-2A Team. Energy deposition onto HL-2A divertor plates in ELMy H-mode discharges using Infrared thermography. *Journal of Nuclear Materials* 2015; 463: 697-700
- Gao L, Zhang C, Li C, Wang L. Intracellular temperature mapping with fluorescence-assisted photoacoustic thermometry. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 8943, Art. No. 894309.
- Gao Y, Han F, Zhou Z, Cao M, Kaprealian T, Kamrava M, Wang C, Neylon J, Low DA, Yang Y, Hu P. Distortion-free diffusion MRI using an MRI-guided Tri-Cobalt 60 radiotherapy system: Sequence verification and preliminary clinical experience. *Medical Physics* 2017, 44 (10): 5357-5366.
- Gao YL, Tian GY, Li KI, Jj J, Wang P, Wang HT. Multiple cracks detection and visualization using magnetic flux leakage and eddy current pulsed thermography. *Sensors and Actuators A-Physical* 2015; 234: 269-281
- Garbacz P, Giesko T, Mazurkiewicz A. Inspection method of aluminium extrusion process. *Archives of Civil and Mechanical Engineering* 2015; 15 (3): 631-638
- Garbett NC, Brock GN, Chaires JB, Mekmaysy CS, DeLeeuw L, Sivils KL, Harley JB, Rovin BH, Kulasekera KB, Jarjour WN Characterization and classification of lupus patients based on plasma thermograms. *PLoS ONE* 2017, 12:11 Article Number: e0186398.
- Garbett NC, Merchant ML, Helm CW, Jenson AB, Klein JB, Chaires JB. Detection of cervical cancer biomarker patterns in blood plasma and urine by differential scanning calorimetry and mass spectrometry. *PLoS ONE* 2014; 9 (1) Art. No. e84710.
- Garbino A, Blue RS, Pattarini JM, Law J, Clark JB. Physiological monitoring and analysis of a manned stratospheric balloon test program. *Aviation Space and Environmental Medicine* 2014; 85 (2): 177-182.
- Garcia Barbosa H, Brioschi ML, Jacobsen Teixeira M. Medical thermography for the diagnosis of fibromyalgia syndrome and exclusion of other widespread pain disorders (extended abstract). *Thermology international* 2014; 24(1) 17-18
- Garcia EM, Crowley J, Hagan C, Atkinson LL. Evolution of imaging in breast cancer. *Clinical Obstetrics and Gynecology* 2016; 59 (2) 322-335
- Garcia I, Chiodo V, Ma Y, Boskey A. Evidence of altered matrix composition in iliac crest biopsies from patients with idiopathic juvenile osteoporosis. *Connective Tissue Research* 2016; 57 (1) 28-37
- Garcia JMBB, Isaac DLC Sardeiro T, Aquino É, Avila M. Benign familial fleck retina: Multimodal imaging including optical coherence tomography angiography. *Arquivos Brasileiros de Oftalmologia* 2017, 80 (5): 321-323.
- Garcia LM, Soares AB, Simieli C, Boratino AVP, de Jesus Guirro RR. On the effect of thermal agents in the response of the brachial biceps at different contraction levels. *Journal of Electromyography and Kinesiology* 2014; 24 (6): 881-887.
- Garcia UO, Vera A, Cortela G, Negreira C, Leija L. Comparison of diabetic foot diagnosis between thermography

infrared methods and the elastography techniques. 2016 Global Medical Engineering Physics Exchanges/Pan American Health Care Exchanges GMEPE/PAHCE 2016, art no 7504664

García-de-la-Peña R, Benhamú, S, Munuera PV. Sensitivity and specificity of a new test for thermographic evaluation of the foot in the diagnosis of diabetic peripheral polyneuropathy. *Advances in Skin and Wound Care* 2014; 27 (11): 491-498.

García-Molina MD, García-Olmo J, Barro F. Effective identification of low-gliadin wheat lines by Near Infrared Spectroscopy (NIRS): Implications for the development and analysis of foodstuffs suitable for celiac patients. *PLoS ONE* 2016; 11 (3), art no e0152292

García-Romero MT, Chakkittakandiyil A, Pope E. The role of infrared thermography in evaluation of proliferative infantile hemangiomas. Results of a pilot study. *International Journal of Dermatology* 2014; 53 (3): e216-e217.

García-Romero MT, Randhawa HK, Laxer R, Pope E. The role of local temperature and other clinical characteristics of localized scleroderma as markers of disease activity. *International Journal of Dermatology* 2017, 56 (1): 63-67.

García-Tejero IF, Hernandez A, Rodríguez VM, Ponce JR, Ramos V, Muriel JL, Duran-Zuazo VH. Estimating Almond Crop Coefficients and Physiological Response to Water Stress in Semiarid Environments (SW Spain). *Journal of Agricultural Science and Technology* 2015; 17 (5): 1255-1266

Garduño-Ramón MA, Vega-Mancilla SG, Morales-Henández LA, Osornio-Rios RA. Supportive Noninvasive Tool for the Diagnosis of Breast Cancer Using a Thermographic Camera as Sensor. *Sensors (Basel, Switzerland)* 2017, 17:3.

Garla VV, Yanes-Cardozo L, Yousuf T, Ahmad S. Wernicke's encephalopathy secondary to gestational hyperthyroidism. *BMJ Case Reports* 2017, art. no. bcr-2017-221644.

Garnon J, Koch G, Rao P, Ramamurthy N, Caudrelier J, Cazzato RL, Tsoumakidou G, Gangi A. Optimising Pulmonary Microwave Ablation Using Trans-Scapular Access and Continuous Temperature Monitoring. *CardioVascular and Interventional Radiology* 2016; 39 (5) 791-794

Gatidis S, Schmidt H, Pfannenberga CA, Nikolaou K, Schick F, Schwenzer NF. Is it possible to detect activated brown adipose tissue in humans using single-time-point infrared thermography under thermoneutral conditions? Impact of BMI and subcutaneous adipose tissue thickness. *PLoS ONE* 2016; 11 (3), art no e0151152

Gaur D, Saxena S, Sangwan D, Raheja JL. Identification and Recognition of Defects in Civil Structures Using Non-destructive Technique. In: Mandal JK, Satapathy SC, Sanyal MK, Sarkar PP, Mukhopadhyay A, eds, *Information systems design and intelligent applications, Advances in Intelligent Systems and Computing* 2015, 340: 747-755

Gaur P, Partanen A, Werner B, Ghanouni P, Bitton R, Butts Pauly K, Grissom WA. Correcting heat-induced chemical shift distortions in proton resonance frequency-shift thermometry. *Magnetic Resonance in Medicine* 2016; 76 (1) 172-182

Gaur P, Werner B, Feng X, Fielden SW, Meyer CH, Grissom WA. Spatially-segmented undersampled MRI temperature reconstruction for transcranial MR-guided focused ultrasound. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 13.

Gavin HE, Satchell KJF. Surface hypothermia predicts murine mortality in the intragastric *Vibrio vulnificus* infection model. *BMC Microbiology* 2017, 17 (1), art. no. 136.

Ge X, Sathiakumar D, Lua BJG, Kukreti H, Lee M, Mcfarlane C. Myostatin signals through miR-34a to regulate *Fndc5* expression and browning of white adipocytes. *International Journal of Obesity* 2017, 41 (1): 137-148.

Geburt K, Friedrich M, Piechotta M, Gaulty M, von Borstel UK. Validity of physiological biomarkers for maternal behavior in cows -A, comparison of beef and dairy cattle. *Physiology & Behavior* 2015; 139: 361- 368

Geen MRS, Johnston GR. Coloration affects heating and cooling in three color morphs of the Australian bluetongue lizard *Tiliqua scincoides*. *Journal of Thermal Biology* 2014; 43 (1) 54-60.

Gefässchirurgie 2014; 19 (4): 302-310.

Gehrke SA, Bettach R, Taschieri S, Boukhris G, Corbella S, Del Fabbro M. Temperature Changes in Cortical Bone after Implant Site Preparation Using a Single Bur versus Multiple Drilling Steps: An in Vitro investigation. *Clinical Implant Dentistry and Related Research* 2015; 17 (4): 700-707

Geier R, Wappl C, Freiszmuth H, Slugovc C, Gescheidt G. Thermal effects in polymerisations -a live view differentiating between bulk effects thermal diffusion and oxygen inhibition. *Polymer Chemistry* 2015; 6 (13): 2488-2492

Geijer H, Udumyan R, Lohse G, Nilsagård Y. Temperature measurements with a temporal scanner: Systematic review and meta-analysis. *BMJ Open* 2016; 6 (3), art no e009509

Geiss O, Bianchi I, Barrero-Moreno J. Correlation of volatile carbonyl yields emitted by e-cigarettes with the temperature of the heating coil and the perceived sensorial quality of the generated vapours.

Genovese JEC, Sparks KE, Little KD. Tympanic Membrane Temperature and Hemispheric Cognitive Style. *The Journal of Genetic Psychology* 2017, 178(5) 298-302.

Georges MP. Comparison between thermographic and holographic techniques for nondestructive testing of

- composites: similarities differences and potential cross-fertilization. In; Santoyo FM, Mendez ER, eds, Proceedings of SPIE 6th International Conference on Speckle Metrology (SPECKLE) Guanajuato Mexico, 2015, pp. 966002-966002-12.
- Georges MP. Speckle Interferometry in the long-wave Infrared for combining holography and thermography in a single sensor. Applications to nondestructive testing: the FANTOM project. In: Lehmann P, Osten W, Albertazzj GA, eds Proceedings of SPIE Conference on Optical Measurement Systems for industrial inspection IX, JUN 22-25, 2015 Munich Germany, 2015; pp. 95251L-95251L-15.
- Gerasimova E, Audit B, Roux SG, Khalil A, Gileva O, Argoul F, Naimark O, Arneodo A. Wavelet- based multifractal analysis of dynamic infrared thermograms to assist in early breast cancer diagnosis. *Frontiers in Physiology* 2014; Art. No. 00176.
- Gerasimova-Chechkina E, Toner B, Marin Z, Audit B, Roux SG, Argoul F, Khalil A, Gileva O, Naimark O, Arneodo A. Comparative multifractal analysis of dynamic infrared thermograms and X-ray mammograms enlightens changes in the environment of malignant tumors. *Frontiers in Physiology* 2016; 7 (AUG), art no 336
- Gerber A, Huhn V, Tran TMH, Sieglösch M, Augarten Y, Pieters BE, Rau U. Advanced large area characterization of thin-film solar modules by electroluminescence and thermography imaging techniques. *Solar Energy Materials and Solar Cells* 2015; 135: 35-42
- Gerstenhaber J.A, Barone F.C, Marcinkiewicz C, Li J, Shiloh A.O, Sternberg M, Lelkes P.I, Feuerstein G. Vascular thrombus imaging in vivo via near-infrared fluorescent nanodiamond particles bioengineered with the disintegrin bitistatin (Part II). *International Journal of Nanomedicine* 2017, 12: 8471-8482.
- Getson P. An overview of thermographic legal cases throughout the world and recent anti-mammography articles (abstract). *Thermology international* 2015, 25(1) 23
- Getson P. Effect of diet and lifestyle on improving breast health – verification by thermography (abstract). *Thermology international* 2015, 25(1) 23
- Getson P. The predictive value of thermography in CRPS (abstract). *Thermology international* 2015, 25(1) 27
- Ghadermazi K, Khozeimeh MA, Taheri-Behrooz F, Safizadeh MS. Delamination detection in glass-epoxy composites using step-phase thermography (SPT). *Infrared Physics & Technology* 2015; 72: 204-209
- Ghai A, Kaushik T, Kundu ZS, Wadhwa S, Wadhwa R. Evaluation of new approach to ultrasound guided stellate ganglion block. *Saudi Journal of Anaesthesia* 2016; 10 (2) 161-167
- Ghai S, Louis AS, Van Vliet M, Lindner U, Haider MA, Hlasny E, Spensieri P, Van Der Kwast TH, McCluskey SA, Kucharczyk W, Trachtenberg J. Real-Time MRI-Guided Focused Ultrasound for Focal Therapy of Locally Confined Low-Risk Prostate Cancer: Feasibility and Preliminary Outcomes. *American Journal of Roentgenology* 2015; 205 (2): W177-W184
- Ghai S, Trachtenberg J. Prostate cancer: A consensus on trial design for focal therapy. *Nature Reviews Urology* 2014; 11 (4) 190-192.
- Ghali VS, Suresh B, Hemanth A. Data Fusion for Enhanced Defect Detectability in Non-Stationary Thermal Wave Imaging. *IEEE Sensors Journal* 2015; 15 (12): 6761-6762
- Ghassemi P, Wang Q, Pfeifer TJ. Dynamic thermal effects of epidermal melanin and plasmonic nanoparticles during photoacoustic breast imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9700
- Ghavam M, Soleimanpour M, Hashemikamangar SS, Ebrahimi H, Kharazifard MJ. Microshear bond strength of self-adhesive composite to ceramic after mechanical chemical and laser surface treatments. *Laser Therapy* 2017, 26 (4): 297-304.
- Ghayoumi Zadeh H, Haddadnia J, Montazeri A. A model for diagnosing breast cancerous tissue from thermal images using active contour and lyapunov exponent. *Iranian Journal of Public Health* 2016; 45 (5) 657-669
- Ghidoni S, Finotto M, Menegatti E. Automatic Color inspection for Colored Wires in Electric Cables. *IEEE Transactions On Tomation Science and Engineering* 2015; 12 (2): 596-607
- Ghirlando R, Zhao H, Balbo A, Piszczek G, Curth U, Brautigam CA, Schuck P. Measurement of the temperature of the resting rotor in analytical ultracentrifugation. *Analytical Biochemistry* 2014; 458, 37-39.
- Ghoseiri K, Safari MR. Prevalence of heat and perspiration discomfort inside prostheses: Literature review. *Journal of Rehabilitation Research and Development* 2014; 51 (6): 855-867.
- Ghoseiri K, Zheng YP, Leung AKL, Rahgozar M, Aminian G, Lee TH, Safari MR. Temperature Measurement and Control System for Transtibial Prostheses: Functional Evaluation. *Assistive Technology* 1-8 Article in Press
- Ghyselen L, Fontaine C, Dégrugilliers L, Degorre C, Léké, A, Tourneux P. Polyethylene bag wrapping to prevent hypothermia during percutaneous central venous catheter insertion in the preterm newborn under 32 weeks of gestation, *Journal of Maternal-Fetal and Neonatal Medicine* 2014; 27 (18): 1922-1925.
- Giannaccare G, Fresina M, Agnifili L, Versura P. Ocular-surface temperature modification by cataract surgery. *Journal of Cataract and Refractive Surgery* 2016; 42 (7) 983-989
- Giannoni-Guzmán MA, Avalos A, Perez JM, Loperena EJO, Kayým M, Medina JA, Massey SE, Kence M, Kence

A, Giray T, Agosto-Rivera JL. Measuring individual locomotor rhythms in honey bees paper wasps and other similar-sized insects. *Journal of Experimental Biology* 2014; 217 (8) 1307-1315.

Giansanti L, Bozzuto G, Fracassi A, Bombelli C, Stringaro A, Molinari A, Piozzi A, Sennato S, Mancini G Effect of preparation protocol on physicochemical features and biointeractions of pegylated liposomes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 2017, 532: 444-450

Giaouris E, Chorianopoulos N, Nychas G.-J. Impact of acid adaptation on attachment of *Listeria monocytogenes* to stainless steel during long-term incubation under low or moderate temperature conditions and on subsequent recalcitrance of attached cells to lethal acid treatments. *International Journal of Food Microbiology* 2014; 171: 1-7.

Gibelli D, Cantatore A, Porta D, Poppa P, Sala R, Marco G, Cattaneo C. Temperature measurement from the brain and rectum in charred corpses: A pilot study on an animal model. *American Journal of Forensic Medicine and Pathology* 2014; 35 (1): 34-37.

Gibson C, Matthews K, Thurston R. Daily physical activity and hot flashes in the Study of Women's Health Across the Nation (SWAN) Flashes Study. *Fertility and Sterility* 2014; 101 (4): 1110-1116.

Gibson OR, Dennis A, Parfitt T, Taylor L, Watt PW, Maxwell NS. Extracellular Hsp72 concentration relates to a minimum endogenous criteria during acute exercise-heat exposure. *Cell Stress and Chaperones* 2014; 19 (3): 389-400.

Giedraityte G, Kalediene L. Biotransformation of eugenol via protocatechuic acid by thermophilic *Geobacillus* sP AY 946034 strain. *Journal of Microbiology and Biotechnology* 2014; 24 (4) 475- 482.

Giepmans RHM, Schrijer FFJ, van Oudheusden BW. Infrared Thermography Measurements on a Moving Boundary-Layer Transition Front in Supersonic Flow. *AIAA Journal* 2015; 53 (7): 2056-2060

Gil EA, Aubert XL, Beersma DGM. Ambulatory estimation of human circadian phase using models of varying complexity based on non-invasive signal modalities. 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBC 2014, art. no. 6944074: 2278-2281.

Gillard DM, Corenman DS, Dornan GJ. Failed less invasive lumbar spine surgery as a predictor of subsequent fusion outcomes. *International Orthopaedics* 2014; 38 (4): 811-815.

Giménez-Rivera VA, Metz M, Siebenhaar F. Mast cell-mediated reactions in vivo *Methods in Molecular Biology* 2014; 1192: 239-247.

Ginat DT, Swearingen B, Curry W, Cahill D, Madsen J, Schaefer PW. 3 Tesla intraoperative MRI for brain tumor surgery. *Journal of Magnetic Resonance Imaging* 2014; 39 (6) 1357-1365.

Gingold DB, Strickland MJ, Hess JJ. Ciguatera fish poisoning and climate change: Analysis of national poison center data in the United States 2001-2011 *Environmental Health Perspectives* 2014; 122 (6): 580-586.

Giorgini E, Sabbatini S, Conti C, Rubini C, Rocchetti R, Fioroni M, Memè, L, Orilisi G. Fourier Transform Infrared Imaging analysis of dental pulp inflammatory diseases. *Oral Diseases* 2017, 23 (4): 484-491.

Giovannacci D, Detalle V, Martos-Leviv D, Ogien J, Bernikola E, Tornari V, Hatzigiannakis K, Mouhoubj K, Bodnar JL, Walker GC, Brissaud D, Trichereau B, Jackson B, Bowen J. Case study of Sainte-Marie Chapel Fontaine Chaalis (France): Complementarity of different optical techniques. In: Pezzati L, Targowski P, eds, *Proceedings of SPIE Conference on Optics for Arts Architecture and Archaeology V*, JUN 24-25, 2015, Munich Germany 2015; pp. 95270L-95270L-9.

Girard A, Muneer T, Caceres G. A validated design simulation tool for passive solar space heating: Results from a monitored house in West Lothian Scotland. *Indoor and Built Environment* 2014; 23 (3): 353-372.

Girard O, Racinais S, Périard JD. Tennis in hot and cool conditions decreases the rapid muscle torque production capacity of the knee extensors but not of the plantar flexors *British Journal of Sports Medicine* 2014; 48 (SUPPL. 1): i52-i58.

Girard O, Racinais S. Combining heat stress and moderate hypoxia reduces cycling time to exhaustion without modifying neuromuscular fatigue characteristics *European Journal of Applied Physiology* 2014; 114 (7): 1521-1532.

Girod M, Vandenheede M, Farnir F, Gommeren K. Axillary temperature measurement: A less stressful alternative for hospitalised cats? *Veterinary Record* 2016; 178 (8), p 192

Girrbach F, Eitz CD, Dohmen PM, Von Aspern K, Luehr M, Borger MA, Misfeld M, Eifert S, Mohr F.-W. Longevity after mechanical aortic root replacement - Do men live longer? *Journal of Thoracic and Cardiovascular Surgery* 2014; 148 (5): 2087-2095.

Glatz T, Boldt J, Timme S, Kulemann B, Seifert G, Holzner PA, Chikhladze S, Grüneberger JM, Küsters S, Sick O, Höner J, Hopt UT, Marjanovic G. Impact of intraoperative temperature and humidity on healing of intestinal anastomoses. *International Journal of Colorectal Disease* 2014; 29 (4) 469-475.

Glinzer A, Ma X, Prakash J, Kimm MA, Lohöfer F, Kosanke K, Pelisek J, Thon MP, Vorlova S, Heinze KG, Eckstein H-H, Gee MW, Ntziachristos V, Zerneck A, Wildgruber M. Targeting Elastase for Molecular Imaging of Early Atherosclerotic Lesions. *Arteriosclerosis Thrombosis and Vascular Biology* 2017, 37 (3): 525-533.

Glowacz A, Glowacz A, Glowacz Z. Recognition of monochrome thermal images of synchronous motor with the,

application of skeletonization and classifier based on words. *Archives of Metallurgy and Materials* 2015; 60 (1): 27-32

Glowacz A, Glowacz A, Glowacz Z. Recognition of Thermal Images of Direct Current Motor with Application of Area Perimeter Vector and Bayes Classifier. *Measurement Science Review* 2015; 15 (3): 119-126

Gobbo M, Falciati L. Neuromodulation and cognitive rehabilitation: Addressing the methodological issue of circadian rhythms. *Frontiers in Psychiatry* 2014; Art. No. 150.

Göbölös L, Philipp A, Ugocsai P, Foltan M, Thrum A, Miskolczi S, Pousios D, Khawaja S, Budra M, Ohri SK. Reliability of different body temperature measurement sites during aortic surgery. *Perfusion (United Kingdom)* 2014; 29 (1): 75-81.

Godfrey M. Iodine and the Breast (abstract). *Thermology international* 2015, 25(1) 23

Godfrey M. Thermal imaging to assess breast health in women under age 35 - an ongoing pilot study from 2012 (abstract). *Thermology international* 2015, 25(1) 21

Godfrey M. Thermography and breast cancer (abstract). *Thermology international* 2015, 25(1) 23

Godin A, Duquesne M, del Barrio EP, Morikawa J. Analysis of crystal growth kinetics in undercooled melts by infrared thermography. *Quantitative Infrared Thermography Journal* 2015; 12 (2): 237-251

Godoy SE, Hayat MM, Ramirez DA, Myers SA, Padilla RS, Krishna S. Detection theory for accurate and non-invasive skin cancer diagnosis using dynamic thermal imaging. *Biomedical Optics Express* 2017, 8(4) 2301-2323.

Goenka A, Aziz M, Riley P, Vassallo G. Complex regional pain syndrome involving the face following snowball injury. *European Journal of Pediatrics* 2014; 173 (3): 397-400.

Goetzl L. Epidural fever in obstetric patients: It's a hot topic. *Anesthesia and Analgesia* 2014; 118 (3): 494- 495.

Goff RP, Howard BT, Quallich SG, Iles TL, Iazzo PA. The novel in vitro reanimation of isolated human and large mammalian heart-lung blocs. *BMC Physiology* 2016; 16 (1), art no 16

Goff RP, Quallich SG, Buechler RA, Bischof JC, Iazzo PA Determination of cryothermal injury thresholds in tissues impacted by cardiac cryoablation. *Cryobiology* 2017, 75: 125-133.

Goff RP, Quallich SG, Buechler RA, Bischof JC, Iazzo PA. Determination of cryothermal injury thresholds in tissues impacted by cardiac cryoablation. (2017) *Cryobiology Article in Press*

Goforth C, Lisman P, Deuster P. The physiological impact of body armor cooling devices in hot environments: A systematic review. *Military Medicine* 2014; 179 (7): 724-734.

Goharrizi AY, Kwong R, Chopra R. Development of robust/predictive control strategies for image-guided ablative treatments using a minimally invasive ultrasound alicator. *International Journal of Hyperthermia* 2014; 2014; 30 (7) 438-446.

Golbabaei F, Zakerian SA, Fouladi Dehaghi B, Ibrahim Ghavamabadi L, Gharagozlou F, Mirzaei Aliabadi M, Hematjo R. Heat stress and physical capacity: A case study of semi-professional footballers. *Iranian Journal of Public Health* 2014; 43 (3): 355-361.

Gold JE, Hallman DM, Hellström F, Björklund M, Crenshaw AG, Mathiassen SE, Barbe MF, Ali S. Systematic review of quantitative imaging biomarkers for neck and shoulder musculoskeletal disorders. *BMC Musculoskeletal Disorders* 2017, 18 (1), art. no. 395.

Goldstein I, Goldstein S, Millheiser L. The impact of Fiera a women's personal care device on genital engorgement as measured by thermography: A proof-of-principle study. *Menopause* 2017, 24 (11): 1257-1263.

Goldstein SW, Gonzalez JR, Gagnon C, Goldstein I. Peripheral Female Genital Arousal as Assessed by Thermography Following Topical Genital Application of Alprostadil vs Placebo Arousal Gel: A Proof-of- Principle Study Without Visual Sexual Stimulation. *Sexual Medicine* 2016; 4 (3) e166-e175

Golovashchenko RV, Zaetz NK, Ostryzhnyi YM, Plevako AS, Derkach VN. Precision temperature measurement unit for the low temperature dielectrometer. 9th International Kharkiv Symposium on Physics and Engineering of Microwaves Millimeter and Submillimeter Waves MSMW 2016, art no 7538104

Golshahi A, Bornfeld N, Weinitz S, Kellner U. Near-Infrared Autofluorescence in Bilateral Diffuse Uveal Melanocytic Proliferation Associated with Esophageal Carcinoma and Choroidal Metastasis. *Retinal Cases and Brief Reports* 2016; 10 (3) 254-258

Gomart SB, Allerton FJW, Gommeren K. Accuracy of different temperature reading techniques and associated stress response in hospitalized dogs. *Journal of Veterinary Emergency and Critical Care* 2014; 24 (3): 279-285.

Gomes CAFDP, Dibai-Filho AV, Pallotta RC, da Silva EAP, Marques ACDF, Marcos RL, de Carvalho PDTC. Effects of low-level laser therapy on the modulation of tissue temperature and hyperalgesia following a partial Achilles tendon injury in rats. *Journal of Cosmetic and Laser Therapy* 2017, 19 (7): 391-396.

Gomez CCS, Servidoni MF, Marson FAL, Canavezi PJ.C, Vinagre AM, Costa ET, Ribeiro AF, Ribeiro MAGO, Toro AADC, Pavan CR, Rondon MVSS, Lorena SLS, Vieria FU, Ribeiro JD. Pulsed direct and constant direct currents in the pilocarpine iontophoresis sweat chloride test *BMC Pulmonary Medicine* 2014; 14 (1), art. no. 198.

Gomez-Bellot MJ, Nortes PA, Sanchez-Blanco MJ, Ortuno MF. Sensitivity of thermal imaging and Infrared

- thermometry to detect water status changes in *Euonymus japonica* plants irrigated with saline reclaimed water. *Biosystems Engineering* 2015; 133: 21-32
- Goncalves-Souza T, Romero GQ, Cottenie K. Metacommunity versus biogeography: A case study of two groups of neotropical vegetation-dwelling arthropods. *PLoS ONE* 2014; 9 (12), art. no. e115137.
- Gong JL, Liu JY, Wang F, Wang Y. Inverse heat transfer approach for nondestructive estimation the size and depth of subsurface defects of CFRP composite using lock-in thermography. *Infrared Physics & Technology* 2015; 71: 439-447
- Gong WL, Peng YY, He MC, Wang J. Thermal image and spectral characterization of roadway failure process in geologically 45 degrees inclined rocks. *Tunnelling and Underground Space Technology* 2015; 49: 156-173
- Gong WL, Peng YY, Sun XM, He MC, Zhao SY, Chen HQ, Xie T. Enhancement of low-contrast thermograms for detecting the stressed tunnel in horizontally stratified rocks. *International Journal of Rock Mechanics and Mining Sciences* 2015; 74: 69-80
- Gong Y, Capstick M, Tillmann T, Dasenbrock C, Samaras T, Kuster N. Desktop exposure system and dosimetry for small scale in vivo radio frequency exposure experiments. *Bioelectromagnetics* 2016; 37 (1) 49-61
- Gonipeta B, Para R, He Y, Srkalovic I, Ortiz T, Kim E, Parvataneni S, Gangur V. Cardiac mMCP-4+ mast cell expansion and elevation of IL-6, and CCR1/3 and CXCR2 signaling chemokines in an adjuvant-free mouse model of tree nut allergy. (2015) *Immunobiology* 2016; 220 (5) 663-672
- Gonnermann J, Maier A.-KB, Klein JP, Bertelmann E, Pleyer U, Klamann MKJ. Evaluation of ocular surface temperature in patients with pterygium. *Current Eye Research* 2014; 39 (4): 359- 364.
- Gonzales BR, Hagin V, Guillot R, Placet V, Monnier-Benoit P, Gros Lambert A. Self-paced cycling performance and recovery under a hot and highly humid environment after cooling. *Journal of Sports Medicine and Physical Fitness* 2014; 54 (1) 43-52.
- González FC, Villegas OO, Ramírez DE, Sánchez VG, Domínguez HO. Smart multi-level tool for remote patient monitoring based on a wireless sensor network and mobile augmented reality. *Sensors (Basel Switzerland)* 2014; 14 (9): 17212-17234.
- Gonzalez WG, Miksovska J. Submillisecond conformational changes in proteins resolved by photothermal beam deflection. *Journal of Visualized Experiments* 2014; (84) Art. No. e50969.
- Gonzalez-Parada A, Guzman-Cabrera R, Torres-Cisneros M, Guzman-Sepulveda JR. Comparative Analysis of Thermography Studies and Electrical Measurement of Partial Discharges in Underground Power Cables. *International Journal of Thermophysics* 2015; 36 (9): 2356-2369
- Goodall TR, Bovik AC, Paulter NG. Tasking on natural statistics of infrared images. *IEEE Transactions on Image Processing* 2016; 25 (1), art no 7312989 65-79
- Goodarzi-Ardakani V, Taeibi-Rahni M, Salimi MR, Ahmadi G. Computational simulation of temperature and velocity distribution in human upper respiratory airway during inhalation of hot air. *Respiratory Physiology and Neurobiology* 2016; 223 49-58
- Göppner D, Nekwasil S, Jellestad A, Sachse A, Schönborn K-H, Gollnick H. Indocyanine green-assisted sentinel lymph node biopsy in melanoma using the "FOVIS" system [Sentinel-Lymphknoten-Biopsie des Melanoms mittels Indocyaningrün und „FOVIS“-System]. *JDDG - Journal of the German Society of Dermatology* 2017, 15 (2): 169-178.
- Gorbachev EV, Kirichenko AE, Sedykh GS, Volkov VI. The thermometry system of superconducting magnets test bench for the Nica accelerator complex. *Physics of Particles and Nuclei Letters* 2016; 13 (5)598-600
- Gordon AC, Lewandowski RJ, Salem R, Day DE, Omary RA, Larson AC. Localized hyperthermia with iron oxide-doped yttrium microparticles: Steps toward image-guided thermoradiotherapy in liver cancer. *Journal of Vascular and Interventional Radiology* 2014; 25 (3) 397-404.
- Gordon CJ, Johnstone AF, Aydin C, Phillips PM, Macphail RC, Kodavanti UP, Ledbetter AD, Jarema, KA. Episodic ozone exposure in adult and senescent Brown Norway rats: Acute and delayed effect on heart rate, core temperature and motor activity. *Inhalation Toxicology* 2014, 26 (7) 380-390.
- Gordon CJ, Johnstone AF, Aydin C. Thermal stress and toxicity. *Comprehensive Physiology* 2014; 4 (3) 995-1016.
- Gore SA, Satpute VV, Gholve SB, Bhusnure OG, Bhosale PH, Phutke PB. A systematic review on transdermal patches. *International Journal of Pharmaceutical Sciences Review and Research* 2017, 45(2) 36-47. Article Number: 08.
- Görges M, West NC, Whyte SD. Using physiological monitoring data for performance feedback: an initiative using thermoregulation metrics [Utilisation des données de monitoring physiologique pour les rétroactions sur la performance: une initiative basée sur les mesures de la thermorégulation]. *Canadian Journal of Anesthesia* 2017, 64 (3): 245-251.
- Gorman MP, Rincon SP, Pierce VM. Case 19-2014: A 19-year-old woman with headache fever stiff neck and mental-status changes. *New England Journal of Medicine* 2014; 370 (25) 2427- 2438.

- Górska K, Szczerkowska-Dobosz A, Purzycka-Bohdan D, Stawczyk-Macieja M, Wierzba K, Nowicki RJ. Raynaud's phenomenon as an interdisciplinary problem [Objaw Raynauda jako problem interdyscyplinarny]. *Przegląd Dermatologiczny* 2017, 104 (5): 499-508.
- Gosa MM, Dodrill P. Effect of Time and Temperature on Thickened Infant Formula. *Nutrition in Clinical Practice* 2017, 32 (2): 238-244.
- Goswami E, Batra P, Khurana R, Dewan P. Comparison of Temporal Artery Thermometry with Axillary and Rectal Thermometry in Full Term Neonates. *Indian Journal of Pediatrics* 2017, 84 (3): 195-199.
- Goswami E, Batra P, Khurana R, Dewan P. Comparison of Temporal Artery Thermometry with Axillary and Rectal Thermometry in Full Term Neonates. *Indian Journal of Pediatrics* 1-5 Article in Press
- Gousopoulos E, Karaman S, Proulx ST, Leu K, Buschle D, Detmar M. High-Fat Diet in the Absence of Obesity Does Not Aggravate Surgically Induced Lymphoedema in Mice. *European Surgical Research* 2017, 58 (3-4): 180-192.
- Goutam S, Timmermans JM, Omar N, Van den Bossche P, Van Mierlo J. Comparative Study of Surface Temperature Behavior of Commercial Li-Ion Pouch Cells of Different Chemistries and Capacities by Infrared Thermography. *Energies* 2015; 8 (8): 8175-8192
- Goyal M, Chaudhuri TK, Kuwajima K. Irreversible denaturation of maltodextrin glucosidase studied by differential scanning calorimetry circular dichroism and turbidity measurements. *PLoS ONE* 2014; 9 (12) Art. No. e115877.
- Grabowski D, Cristalli C. Production line quality control using Infrared imaging. *Infrared Physics & Technology* 2015; 71: 416-423
- Grady DJ, Gentile MA, Riggs JH, Cheifetz IM. Improved arterial blood oxygenation following intravenous infusion of cold supersaturated dissolved oxygen solution. *Clinical Medicine Insights: Circulatory Respiratory and Pulmonary Medicine* 2014; 8: 11-16.
- Grahn DA, Cao VH, Nguyen CM, Liu MT, Heller HG. Work volume and strength training responses to resistive exercise improve with periodic heat extraction from the palm. *Diabetes Technology and Therapeutics* 2014; 16 (SUPPL. 1): S92-S93.
- Grammatikos SA, Kordatos EZ, Matikas TE, Paipetis AS. Service and maintenance damage assessment of composite structures using various modes of Infrared thermography. In *IOP Conference Series: Materials Science and Engineering* 2015. 74 (1) p. 012006
- Grant OM, Tronina L, Garcia-Plazaola JI, Esteban R, Pereira JS, Chaves MM. Resilience of a semi- deciduous shrub *Cistus salvifolius* to severe summer drought and heat stress. *Functional Plant Biology* 2015; 42 (2): 219-228
- Granum E, Perez-Bueno ML, Calderon CE, Ramos C, de Vicente A, Cazorla FM, Baron M. Metabolic responses of avocado plants to stress induced by *Rosellinia necatrix* analysed by fluorescence and thermal imaging. *European Journal of Plant Pathology* 2015; 142 (3): 625-632
- Graves C, Ely S, Idowu O, Newton C, Kim S. Direct Gallbladder Indocyanine Green Injection Fluorescence Cholangiography during Laparoscopic Cholecystectomy. *Journal of Laparoendoscopic and Advanced Surgical Techniques* 2017, 27 (10): 1069-1073.
- Gravett M, Cepek J, Fenster A. An ultra-high field strength MR image-guided robotic needle delivery system for in-bore small animal interventions. *Medical Physics* 2017, 44 (11): 5544-5555.
- Greaney JL, Stanhewicz AE, Kenney W L, Alexander LM. Muscle sympathetic nerve activity during cold stress and isometric exercise in healthy older adults. *Journal of Applied Physiology* 2015, 117 (6): 648-657.
- Greason KL, Kim S, Suri RM, Wallace AS, Englum BR. Hypothermia and operative mortality during on- pump coronary artery bypass grafting. *Journal of Thoracic and Cardiovascular Surgery* 2014; 148 (6): 2712-2718.
- Green LA, Parro JJ, Gabriel DA. Beneficial effects of serial contractions on muscle performance after a brief period of rest. *European Journal of Applied Physiology* 2014; 114 (8): 1657-1665.
- Green RJ, Endersby S, Allen J, Adams J. Role of medical thermography in treatment of Frey's syndrome with botulinum toxin A. *British Journal of Oral and Maxillofacial Surgery* 2014; 52 (1) 90- 92.
- Green RJ, Pentz A. Fever in children: How to minimise risk and provide appropriate therapy. *South African Family Practice* 2014; 56 (4): 212-215.
- Greenberg S, Shear T, Murphy G. Extracranial Contamination of Near-Infrared Spectroscopy Devices. *Anesthesia and Analgesia* 2017, 124 (1): 356-358.
- Greene AC, Henderson IM, Gomez A, Paxton WF, VanDelinder V, Bachand GD. The role of membrane fluidization in the gel-assisted formation of giant polymersomes. *PLoS ONE* 2016; 11 (7), art no e0158729
- Grejs AM, Gjedsted J, Thygesen K, Lassen JF, Rasmussen BS, Jeppesen AN, Duez CHV, Søreide E, Kirkegaard H. The Extent of Myocardial Injury During Prolonged Targeted Temperature Management After Out-of-Hospital Cardiac Arrest. *American Journal of Medicine* 2017, 130 (1): 37-46.
- Grélot L, Koulibaly F, Maugey N, Janvier F, Foissaud V, Aletti M, Savini H, Cotte J, Dampierre H, Granier H, Carmoi T, Sagui E. Moderate Thermal Strain in Healthcare Workers Wearing Personal Protective Equipment during Treatment and Care Activities in the Context of the 2014 Ebola Virus Disease Outbreak. *Journal of*

Infectious Diseases 2016; 213 (9) 1462-1465

Grgac K, Li W, Huang A, Qin Q, van Zijl PCM. Transverse water relaxation in whole blood and erythrocytes at 3T, 7T, 9.4T, 11.7T and 16.4T; determination of intracellular hemoglobin and extracellular albumin relaxivities. *Magnetic Resonance Imaging* 2017, 38: 234-249.

Griesbach GS, Tio DL, Nair S, Hovda DA. Recovery of stress response coincides with responsiveness to voluntary exercise after traumatic brain injury. *Journal of Neurotrauma* 2014; 31 (7) 674-682.

Griffin M, Letson HL, Dobson GP. Optimization of the rodent model of polymicrobial sepsis. *International Immunopharmacology* 2014; 19 (2), p. 405.

Griffin PJ, Cosby T, Holt AP, Benson RS, Sangoro JR. Charge transport and structural dynamics in carboxylic-acid-based deep eutectic mixtures. *Journal of Physical Chemistry B* 2014; 118 (31): 9378-9385.

Griggs KE, Havenith G, Paulson TAW, J. Price M, Goosey-Tolfrey VL. Effects of cooling before and during simulated match play on thermoregulatory responses of athletes with tetraplegia. *Journal of Science and Medicine in Sport* 2017, 20 (9): 819-824.

Grinias JP, Keil DS, Jorgenson JW. Observation of enhanced heat dissipation in columns packed with superficially porous particles. *Journal of Chromatography A* 2014; 1371: 261-264.

Groen J. Comments. *Neuromodulation* 2016; 19 (2), p 170

Groner ML, Gettinby G, Stormoen M, Revie CW, Cox R. Modelling the impact of temperature- induced life history plasticity and mate limitation on the epidemic potential of a marine ectoparasite. *PLoS ONE* 2014; 9 (2), art. no. e88465.

Groskreutz SR, Weber SG. Temperature-assisted on-column solute focusing: A general method to reduce pre-column dispersion in capillary high performance liquid chromatography. *Journal of Chromatography A* 2014; 1354: 65-74.

Gross RE, Willie JT, Drane DL. The Role of Stereotactic Laser Amygdalohippocampotomy in Mesial Temporal Lobe Epilepsy. *Neurosurgery Clinics of North America* 2016; 27 (1) 37-50

Grossbard BP, Loughin CA, Marino DJ, Marino LJ, Sackman J, Umbaugh SE, Solt PS, Afruz J, Leandro P, Lesser ML, Akerman M. Medical infrared imaging (Thermography) of Type I thoracolumbar disk disease in chondrodystrophic dogs. *Veterinary Surgery* 2014; 43 (7) 869-876.

Grossestreuer AV, Gaieski DF, Donnino MW, Wiebe DJ, Abella BS. Magnitude of temperature elevation is associated with neurologic and survival outcomes in resuscitated cardiac arrest patients with postrewarming pyrexia. 2017, *Journal of Critical Care* 38: 78-83.

Grundstein AJ, Duzinski SV, Dolinak D, Null J, Iyer SS. Evaluating infant core temperature response in a hot car using a heat balance model. *Forensic Science Medicine and Pathology* 2014 (article in press, Epub 2014 Oct 21).

Grys S, Minkina W, Vokorokos L. Automated characterisation of subsurface defects by active IR, thermographic testing -Discussion of step heating duration and defect depth determination. *Infrared Physics & Technology* 2015; 68: 84-91

Gu J, Shen G. A focal positioning method used in the MR-guided focused ultrasound surgery system. (2015) *Proceedings - 2015 8th International Conference on BioMedical Engineering and Informatics BMEI 2015*, art no 7401523 323-327

Gu Y-Q, Fan T-X, Mou J-G, Yu W-B, Zhao G, Wang E. Experiment Research on Hot-Rolling Processing of Nonsmooth Pit Surface. *Applied Bionics and Biomechanics* 2016; 2016, art no 4915974

Guadarrama-Cetina J, Mongruel A, Medici M.-G, Baquero E, Parker AR, Milimouk-Melnytchuk I, González- Viñas W, Beysens D. Dew condensation on desert beetle skin. *The European Physical Journal. E Soft matter* 2014; 37 (11), p. 109.

Guan H, Zhao Z, Zhou Q, He F, Yu M, Cai W, Yang X, Xu Z, Hou H, Hu D. Limb cooling with targeted arterial infusion of cold fluid alleviates scald injury: An experimental rabbit study. *International Journal of Clinical and Experimental Medicine* 2014; 7 (9) 3013-3020.

Gücüyener İ. A novel design of heartbeat monitoring system for the motor vehicle. *International Journal of Injury Control and Safety Promotion* 2016; 23 (4) 395-399

Gudro I, Valeika V, Sirvaityte J. Short term preservation of hide using vacuum: Influence on properties of hide and of processed leather. *PLoS ONE* 2014; 9 (11), art. no. e112783.

Gueritee J, House JR, Redortier B, Tipton MJ. The determinants of thermal comfort in cool water. *Scandinavian Journal of Medicine and Science in Sports* (Article first published online: 2 Dec 2014)

Guerrero-Vargas NN, Salgado-Delgado R, Basualdo MDC, García J, Guzmán-Ruiz M, Carrero JC, Escobar C, Buijs RM. Reciprocal interaction between the suprachiasmatic nucleus and the immune system tunes down the inflammatory response to lipopolysaccharide. *Journal of Neuroimmunology* 2014; 273 (1-2) 22-30.

Guettari T, Istrate D, Boudy J, Benkelfat B-E, Fumel B, Daviet J-C Design and First Evaluation of a Sleep Characterization Monitoring System Using a Remote Contactless Sensor. *IEEE Journal of Biomedical and Health Informatics* 2017, 21(6)1511-1523.

- Guilbert M, Roig B, Terryn C, Garnotel R, Jeannesson P, Sockalingum GD, Manfait M, Perraut F, Dinten JM, Koenig A, Piot O. Highlighting the impact of aging on type I collagen: Label-free investigation using confocal reflectance microscopy and diffuse reflectance spectroscopy in 3D matrix model. *Oncotarget* 2016; 7 (8) 8546-8555
- Guillamón NM, Psikuta A, Rossi RM, Salvador JMC, Annaheim S. Global and local heat transfer analysis for bicycle helmets using thermal head manikins. *International Journal of Industrial Ergonomics* 2016; 53 157-166
- Guillemaut C, Jardin A, Horacek J, Autricque A, Arnoux G, Boom J, Brezinsek S, Coenen JW, De La Luna E, Devaux S, Eich T, Giroud C, Harting D, Kirschner A, Lipschultz B, Matthews GF, Moulton D, O'Mullane M, Stamp M. Ion target impact energy during Type I edge localized modes in JET, ITER-like Wall. *Plasma Physics and Controlled Fusion* 2015; 57(8), 085006.
- Guillermet E, Alfa DA, Gbodja R, Jaillard P. Professional changes induced by a redesigned immunization supply chain in the Comé Health Zone Benin. *Vaccine* 2017, 35 (17): 2189-2194.
- Gulabani M, Gurha P, Ahmad S, Dass P. Intra-operative post-induction hyperthermia possibly malignant hyperthermia: Anesthetic implications challenges and management. *Journal of Anaesthesiology Clinical Pharmacology* 2014; 30 (4): 555-557.
- Gulizzi V, Rizzo P, Milazzo A. On the repeatability of the EMI for the Monitoring of Bonded Joints. In: Kundu T, eds, *Proceedings of SPIE Health Monitoring of Structural and Biological Systems MAR 09-12 2015 San Diego CA*, 2015, pp. 943827-943827-10.
- Gulizzj V, Rizzo P, Milazzo A. On the Repeatability of Electromechanical Impedance for Monitoring of Bonded Joints. *AIAA Journal* 2015; 53 (11): 3479-3482
- Gundogdu N, Cetin M. Chitosan-poly (lactide-co-glycolide) (CS-PLGA) nanoparticles containing metformin HCl: Preparation and in vitro evaluation. *Pakistan Journal of Pharmaceutical Sciences* 2014; 27 (6) 1923- 1929.
- Gungor S, Rana B, Fields K, Bae JJ, Mount L, Buschiazio V, Storm H. Changes in the skin conductance monitor as an end point for sympathetic nerve blocks. *Pain Medicine (United States)*, 2017, 18 (11): 2187-2197.
- Guo H, Liu X-L, Wang Y-L, Li J-Y, Lu W-Z Xian J-Z Zhang B-M, Li J. Protection of skin with subcutaneous administration of 5% dextrose in water during superficial radiofrequency ablation in a rabbit model.
- Guo J, Shen G, Qu X, Chen Y. A study of thickness parameter effects in temperature measurement. (2015) *Proceedings - 2015 8th International Conference on BioMedical Engineering and Informatics BMEI 2015*, art no 7401525 333-337
- Guo L, Niu G, Zheng X, Ge J, Liu W, Jia Q, Zhang P, Zhang H, Wang P. Single Near-Infrared Emissive Polymer Nanoparticles as Versatile Phototheranostics. *Advanced Science* 2017, 4 (10), art. no. 1700085.
- Guo Q, Guo XL, Fan JL, Wu CW. Research on high-cycle fatigue behavior of fv520b steel based on intrinsic dissipation. *Acta Metallurgica Sinica* 2015; 51 (4): 400-406
- Guo SF, Zhou YG, Zhang HX, Yan ZF, Wang WX, Sun K, Li YD. Thermographic analysis of the fatigue heating process for AZ31B, magnesium alloy. *Materials & Design* 2015; 65: 1172-1180
- Guo XW, Mao YX. Defect identification based on parameter estimation of histogram in ultrasonic IR thermography. *Mechanical Systems and Signal Processing* 2015; 58-59: 218-227
- Guo XW, Vavilov V. Pulsed thermographic evaluation of disbonds in the insulation of solid rocket motors made of elastomers. *Polymer Testing* 2015; 45: 31-40
- Guo XW. An analytical model and parametric analysis of ultrasound-excited Infrared thermography. *Quantitative Infrared Thermography Journal* 2015; 12 (2): 137-148
- Guo-wei Z, Guo-qing Z, Li-li H. Temperature development in steel members exposed to localized fire in large enclosure. *Safety Science* 2014; 62: 319-325.
- Gupta R, Williams A, Vetrivel M, Singh G. Stridor in children: Is airway always the cause? *Journal of Pediatric Neurosciences* 2014; 9 (3): 270-272.
- Guschlbauer M, Maul AC, Yan X, Herff H, Annecke T, Sterner-Kock A, Bottiger BW, Schroeder DC. Zero- heat-flux thermometry for non-invasive measurement of core body temperature in pigs. *PLoS ONE* 2016; 11 (3), art no e0150759
- Gutierrez-Aguilar R, Kim D-H, Casimir M, Dai X-Q, Pfluger PT, Park J, Haller A, Donelan E, Park J, D'Alessio D, Woods SC, MacDonald PE, Seeley RJ. The role of the transcription factor ETV5 in insulin exocytosis. *Diabetologia* 2014; 57 (2) 383-391.
- Gutiérrez-Vargas R, Ugalde-Ramírez JA, Rojas-Valverde D, Salas-Cabrera J, Rodríguez-Montero A, Gutiérrez-Vargas JC. Infrared thermography as an effective tool to detect damaged muscle areas after running a marathon [La termografía infrarroja como herramienta efectiva para detectar áreas musculares dañadas después de correr una maratón]. *Revista Facultad de Medicina* 2017, 65 (4): 601-607.
- Gutowski M, Framery B, Boonstra MC, Garambois V, Quenet F, Dumas K, Scherninski F, Cailler F, Vahrmeijer AL, Pèlerin A. SGM-101: An innovative near-infrared dye-antibody conjugate that targets CEA for fluorescence-guided surgery. *Surgical Oncology* 2017, 26 (2): 153-162.

Ha SM, Kwon OH, Oh YG, Kim YS, Lee SG, Won JC, Cho KS, Kim BG, Yoo Y. Thermally conductive polyamide 6/carbon filler composites based on a hybrid filler system. *Science And Technology Of Advanced Materials*. 2015; 16(6) 065001

Habboub G, Sharma M, Barnett GH, Mohammadi AM. A novel combination of two minimally invasive surgical techniques in the management of refractory radiation necrosis: Technical note. *Journal of Clinical Neuroscience* 2017, 35: 117-121.

Hachey KJ, Gilmore DM, Armstrong KW, Harris SE, Hornick JL, Colson YL, Wee JO. Safety and feasibility of near-infrared image-guided lymphatic mapping of regional lymph nodes in esophageal cancer. *Journal of Thoracic and Cardiovascular Surgery* 2016; 152 (2) 546-554

Hack E, Fruehmann RK, Roos R, Feligiotti M, Schuetz P, Tyler JP, Dulieu-Barton JM. Flaw and damage assessment in torsionally loaded CFRP cylinders using experimental and numerical methods. *Composite Structures* 2015; 132: 109-121

Haddad DS, Brioschi ML, Baladi MG, Arita ES. A new evaluation of heat distribution on facial skin surface by infrared thermography. *Dentomaxillofacial Radiology* 2016; 45 (4), art no 20150264

Haddad DS, Brioschi ML, Vardasca R, Weber M, Crosato EM, Arita ES. Thermographic characterization of masticatory muscle regions in volunteers with and without myogenous temporomandibular disorder: Preliminary results. *Dentomaxillofacial Radiology* 2014; 43 (8), art. no. 20130440.

Haddad DS, M. Brioschi ML, Vardasca R, Arita ES. Study of the facial surface skin thermal distribution by infrared thermography: facial thermoanatomy (extended abstract). *Thermology international* 2015, 25(3) 137.

Haddad DS, M. Brioschi ML, Vardasca R, Arita ES. Study of the facial surface skin thermal distribution by infrared thermography: facial thermoanatomy (extended abstract). *Thermology international* 2015, 25(3) 137.

Hafner J, Buset C, Dziunycz P, Gräni N, Kaufmann F, Jaberg-Bentele N, Luder C, Mohanna MT, Stieger P, Weber B, Mayer DO, Läuchli S, Frauchiger AL. Complex regional pain syndrome (CRPS) [Komplexes regionales Schmerz syndrom (CRPS). Vormalig Morbus Sudeck]. *Phlebologie* 2014; 43 (6): 312-316.

Hagensen MK, Mortensen MB, Kjolby M, Stillits NL, Steffensen LB, Bentzon JF. Type 1 diabetes increases retention of low-density lipoprotein in the atherosclerosis-prone area of the murine aorta. *Atherosclerosis* 2017, 263: 7-14.

Haghighi E, Or D. Evaporation from Wavy Porous Surfaces into Turbulent Airflows. *Transport in Porous Media* 2015; 110 (2): 225-250

Haghighi E, Or D. Thermal signatures of turbulent airflows Interacting with evaporating thin porous surfaces. *International Journal of Heat and Mass Transfer* 2015; 87: 429-446

Hajare AA, More HN. Design of the lyophilization process of a doxorubicin formulation based on thermal properties. *Indian Journal of Pharmaceutical Sciences* 2017, 79(6) 907-913

Hakki SS, Tatar G, Dundar N, Demiralp B. The effect of different cleaning methods on the surface and temperature of failed titanium implants: an in vitro study. *Lasers in Medical Science* 2017, 32 (3): 563-571.

Halbatal D, Cuppens J, Shalom MB, Embon L, Shadmi N, Anahory Y, Naren HR, Sarkar J, Uri A, Ronen Y, Myasoedov Y, Levitov LS, Joselevich E, Geim AK, Zeldov E. Nanoscale thermal imaging of dissipation in quantum systems. *Nature* 2016; 539 (7629) 407-410

Halbfass P, Müller P, Nentwich K, Krug J, Roos M, Hamm K, Barth S, Szöllösi A, Mügge A, Schieffer B, Deneke T. Incidence of asymptomatic oesophageal lesions after atrial fibrillation ablation using an oesophageal temperature probe with insulated thermocouples: A comparative controlled study. *Europace* 2017, 19 (3): 385-391.

Hallahan DE, Freeman ML. Thoughts on the future of research teaching and testing in the biological sciences of radiation oncology. *International Journal of Radiation Oncology Biology Physics* 2014; 88 (1) 1- 2.

Halperin SA, Arribas JR, Rupp R, Andrews CP, Chu L, Das R, Simon JK, Onorato MT, Liu K, Martin J, Helmond FA. Six-Month Safety Data of Recombinant Vesicular Stomatitis Virus-Zaire Ebola Virus Envelope Glycoprotein Vaccine in a Phase 3 Double-Blind Placebo-Controlled Randomized Study in Healthy Adults. *Journal of Infectious Diseases* 2017, 215 (12): 1789-1798.

Ham Y, Golparvar-Fard M. Mapping actual thermal properties to building elements in gbXML-based BIM for reliable building energy performance modeling. *Automation in Construction* 2015; 49: 214-224

Ham Y, Golparvar-Fard M. Three-Dimensional Thermography-Based Method for Cost-Benefit Analysis of Energy Efficiency Building Envelope Retrofits. *Journal of Computing in Civil Engineering* 2015; 29 (4) B4014009

Hamaguchi S. The instrument for thermography. *Japanese Journal of Anesthesiology* 2014; 63 (7): 728- 736.

Hamill L, Ferris K, Kapande K, McConaghy L, Douglas I, McGovern V, Shields MD. Response to letter by Popov Todor regarding our paper: Exhaled breath temperature measurement and asthma control in children prescribed inhaled corticosteroids: A cross sectional study. *Pediatric pulmonology* 2016; 51 (1), p 93

Hamill L, Ferris K, Kapande K, McConaghy L, Douglas I, McGovern V, Shields MD. Exhaled breath temperature measurement and asthma control in children prescribed inhaled corticosteroids: A cross sectional study. *Pediatric pulmonology* 2016; 51 (1) 13-21

Hamilton CD, Lydersen C, Ims RA, Kovacs KM. Haul-out behaviour of the world's northernmost population of harbour seals (*Phoca vitulina*) throughout the year. *PLoS ONE* 2014; 9 (1), art. no. e86055.

Hamilton PK, Morgan NA, Connolly GM, Maxwell AP. Understanding acid-base disorders. *Ulster Medical Journal* 2017, 86 (3): 161-166.

Hammerer F, Garcia G, Charles P, Sourdon A, Achelle S, Teulade-Fichou M.-P, Maillard P. Glycoconjugated porphyrin dimers as robust ratiometric temperature sensors. *Chemical Communications* 2014; 50 (67): 9529-9532.

Hammond LE, Cuttell S, Nunley P, Meyler J. Anthropometric characteristics and sex influence magnitude of skin cooling following exposure to whole body cryotherapy. *BioMed Research International* 2014; Art. No. 628724.

Han F, Shi GL, Liang CW, Wang L, Li KY. A Simple and Efficient Method for Breast Cancer Diagnosis Based on Infrared Thermal Imaging. *Cell Biochemistry and Biophysics* 2015; 71 (1): 491-498

Han H, Wang J, Chen T, Yin L, Jin Q, Ji J. Enzyme-sensitive gemcitabine conjugated albumin nanoparticles as a versatile theranostic nanoplatform for pancreatic cancer treatment. *Journal of Colloid and Interface Science* 2017, 507: 217-224.

Han LY, Cheng GH, Zheng XS, Zhang RY, Han LY, Hao FQ, Sun X, Meng QL. A General Method of Infrared Image Processing. In: *International Conference on Computer Science and Communication Engineering (CSCE) JUN 13-14 2015, Suzhou China 2015*: 117-122

Han S, Choi J, Ko JS, Gwak M, Lee S-K, Kim G-S. Comparison of two fluid warming devices for maintaining body core temperature during living donor liver transplantation: Level 1 H-1000 vs. Fluid

Han SB, Gwak MS, Choi SJ, Ko JS, Kim GS, Son HJ, Shin JC. Risk factors for inadvertent hypothermia during adult living-donor liver transplantation. *Transplantation Proceedings* 2014; 46 (3): 705-708.

Hanaoka K. Diagnostic and therapeutic devices for patients with chronic intractable pain: Preface and comments. *Japanese Journal of Anesthesiology* 2014; 63 (7): 726-727.

Handy SM, Chizhikov V, Yakes BJ, Paul SZ Deeds JR, Mossoba MM. Microarray chip development using infrared imaging for the identification of catfish species. *Alieed Spectroscopy* 2014; 68 (12) 1365-1373.

Hani U, Shivakumar HG, Srivastava A, Rashmi NG, Shinde CG. Influence of diluents on release properties of curcumin-hydroxy propyl β cyclodextrin bioadhesive vaginal tablet. *Current Drug Therapy* 2014; 9 (2): 75-82.

Hankir MK, Kranz M, Keipert S, Weiner J, Andreasen SG, Kern M, Patt M, Klötting N, Heiker JT, Brust P, Hesse S, Jastroch M, Fenske WK. Dissociation between brown adipose tissue 18F-FDG uptake and thermogenesis in uncoupling protein 1-deficient mice. *Journal of Nuclear Medicine* 2017, 58 (7): 1100-1103.

Hansen MS, Wetterslev J, Pipper CB, Asghar MS, Dahl JB. Heat pain detection threshold is associated with the area of secondary hyperalgesia following brief thermal sensitization: A study of healthy male volunteers. *Journal of Pain Research* 2017, 10: 265-274.

Hanson CM, George AM, Sawadogo A, Schreiber B. Is freezing in the vaccine cold chain an ongoing issue? A literature review. *Vaccine* 2017, 35 (17): 2127-2133.

Hanssen MJW, Wierts R, Hoeks J, Gemmink A, Brans B, Mottaghy FM, Schrauwen P, van Marken Lichtenbelt WD. Glucose uptake in human brown adipose tissue is impaired upon fasting- induced insulin resistance. *Diabetologia* 2014; 58 (3): 586-595.

Hao C, Huang Z-H, Song S-W, Shi Y-Q, Cheng XW, Murohara T, Lu W, Su D-F, Duan J-L. Arterial baroreflex dysfunction impairs ischemia-induced angiogenesis. *Journal of the American Heart Association* 2014; 3 (3) Art. No. 000804.

Haque A, Faizi MSH, Rather JA, Khan MS Next generation NIR fluorophores for tumor imaging and fluorescence-guided surgery: A review- *Bioorganic and Medicinal Chemistry* 2017, 25(7) 2017-2034.

Hara M, Kuroda M, Ohmura Y, Matsuzaki H, Kobayashi T, Murakami J, Katashima K, Ashida M, Ohno S, Asaumi J-I. A new phantom and empirical formula for apparent diffusion coefficient measurement by a 3 Tesla magnetic resonance imaging scanner. *Oncology Letters* 2014; 8 (2) 819-824.

Hara Y, Shiraishi A, Sakane Y, Takezawa Y, Kamao T, Ohashi Y, Yasunaga S, Sugahara T. Effect of mandarin orange yogurt on allergic conjunctivitis induced by conjunctival allergen challenge. *Investigative Ophthalmology and Visual Science* 2017, 58 (7): 2922-2929.

Hara Y, Shiraishi A, Yamaguchi M, Kawasaki S, Uno T, Ohashi Y. Evaluation of allergic conjunctivitis by thermography. *Ophthalmic Research* 2014; 51 (3) 161-166.

Harada R, Furumoto S, Yoshikawa T, Ishikawa Y, Shibuya K, Okamura N, Ishiwata K, Iwata R, Yanai K. Synthesis and characterization of 18F-interleukin-8 using a cell-free translation system and 4-18F-fluoro-L- proline. *Journal of Nuclear Medicine* 2016; 57 (4) 634-639

Harada T, Iwakawa Y, Ikeda H, Ishizaki F, Aoi S, Nitta Y, Yoshida A, Tamura N, Iida T, Shiokawa M, Nitta

Harden LM, Rummel C, Laburn HP, Damm J, Wiegand F, Poole S, Gerstberger R, Roth J. Critical role for peripherally-derived interleukin-10 in mediating the thermoregulatory manifestations of fever and hypothermia in severe forms of lipopolysaccharide-induced inflammation. *Pflugers Archiv European Journal of Physiology* 2014; 466 (7): 1451-1466.

Hardwicke J, Titley O. Thermographic Assessment of a Vascular Malformation of the Hand: A New Imaging Modality. *Journal of Clinical Imaging Science* 2016; 6 (1), art no 9

Hardwicke JT, Osmani O, Skillman JM. Detection of perforators using smartphone thermal imaging. *Plastic and Reconstructive Surgery* 2016; 137 (1) 39-41

Hardy LA, Chang C-H, Myers EM, Kennelly MJ, Fried NM. Computer simulations of thermal tissue remodeling during transvaginal and transurethral laser treatment of female stress urinary incontinence. *Lasers in Surgery and Medicine* 2017, 49 (2): 198-205.

Har-Even R, Stepensky D, Britzi M, Soback S, Chaim AB, Brandriss N, Goldman M, Berkovitch M, Kozer E. Plasma and cerebrospinal fluid concentrations of ibuprofen in pediatric patients and antipyretic effect: Pharmacokinetic-pharmacodynamic modeling analysis. *Journal of Clinical Pharmacology* 2014; 54 (9) 1023-1030.

Harhaus L, Neubrech F, Hirche C, Schilling T, Kohler H, Mayr A, Riesmeier A, Bickert B, Kneser U. Complex regional pain syndrome following distal fractures of the radius: Epidemiology pathophysiological models diagnostics and therapy [Komplexes regionales Schmerzsyndrom nach distaler Radiusfraktur: Aktuelle Epidemiologie pathophysiologische Modelle Diagnostik und Therapie]. *Unfallchirurg* 2016; 119 (9) 732-741

Haritonova A, Liu DL, Ebbini ES. in Vivo Application and Localization of Transcranial Focused Ultrasound Using Dual-Mode Ultrasound Arrays. *IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control* 2015; 62 (12): 2031-2042

Harrington JM, Young DJ, Essader AS, Sumner SJ, Levine KE. Analysis of human serum and whole blood for mineral content by ICP-MS and ICP-OES: Development of a mineralomics method. *Biological Trace Element Research* 2014; 160 (1): 132-142.

Harris BA, Andrews PJD. A lesson on induction of hypothermia and measurement of efficacy *Critical Care* 2014; 18 (1), art. no. 710.

Harris MN, Carey WA, Ellsworth MA, Haas LR, Hartman TK, Lang TR, Colby CE. Perceptions and practices of therapeutic hypothermia in American neonatal intensive care units. *American Journal of Perinatology* 2014; 31 (1): 15-20.

Harrison JR, Fishpool GM, Thornton AJ, Walkden NR. The appearance and propagation of filaments in the private flux region in Mega Amp Spherical Tokamak. *Physics of Plasmas* 2015; 22 (9) 092508

Harshaw C, Culligan JJ, Alberts JR. Sex differences in thermogenesis structure behavior and contact within huddles of infant mice. *PLoS ONE* 2014; 9 (1) Art. No. e87405.

Hart AG, Rolfe RN, Dandy S, Stubbs H, MacTavish D, MacTavish L, Goodenough AE. Can Handheld Thermal Imaging Technology Improve Detection of Poachers in African Bushveldt? *PLOS One* 2015; 10 (6) e0131584

Hartmann J, Gellermann J, Brandt T, Schmidt M, Pyatykh S, Hesser J, Ott O, Fietkau R, Bert C. Optimization of Single Voxel MR Spectroscopy Sequence Parameters and Data Analysis Methods for Thermometry in Deep Hyperthermia Treatments. *Technology in Cancer Research and Treatment* 2017, 16 (4): 470-481.

Hartwig V, Guiducci L, Marinelli M, Pistoia L, Tegrini TM, Iervasi G, Quinones-Galvan A, L'Abbate A. Multimodal Imaging for the Detection of Brown Adipose Tissue Activation in Women: A Pilot Study Using NIRS and Infrared Thermography. *Journal of Healthcare Engineering* 2017, art. no. 5986452.

Harty PD, Lye JE, Ramanathan G, Butler DJ, Hall CJ, Stevenson AW, Johnston PN. Absolute x- ray dosimetry on a synchrotron medical beam line with a graphite calorimeter. *Medical Physics* 2014; 41 (5) Art. No. 052101.

Hasanzadeh M, Nahar AS, Hassanpour S, Shadjou N, Mokhtarzadeh A, Mohammadi J. Proline dehydrogenase-entrapped mesoporous magnetic silica nanomaterial for electrochemical biosensing of L-proline in biological fluids. *Enzyme and Microbial Technology* 2017, 105: 64-76

Hashimoto Y, Watanabe N, Yuasa T, Suzuki Y, Saisho H. Breast reconstruction with absorbable mesh sling: Dynamic infrared thermography of skin envelope. *Gland Surgery* 2017, 6 (1): 73-81.

Haslerud S, Naterstad IF, Bjordal JM, Lopes-Martins RAB, Magnussen LH, Leonardo PS, Marques RH, Joensen J. Achilles Tendon Penetration for Continuous 810 nm and Superpulsed 904 nm Lasers before and after Ice Application: An in Situ Study on Healthy Young Adults. *Photomedicine and Laser Surgery* 2017, 35 (10): 567-575.

Hattori Y, Falgout L, Lee W, Jung S-Y, Poon E, Lee JW, Na I, Geisler A, Sadhwani D, Zhang Y, Su Y, Haugen O, Øvrebø, KK, Elvevoll B, Skutlaberg DH, Syre H, Husby P. Portal cytokine response and metabolic markers in the early stages of abdominal sepsis in pigs. *European Surgical Research* 2014; 52 (1-2) 21-31.

Hauser AK, Anderson KW, Hilt JZ. Peptide conjugated magnetic nanoparticles for magnetically mediated energy delivery to lung cancer cells. *Nanomedicine* 2016; 11 (14) 1769-1785

Hawley DP. United Kingdom survey of current management of juvenile localized scleroderma. *Rheumatology (Oxford England)* 2014; 53 (10): 1849-1854.

Hayashi K, Ito N, Ichikawa Y, Suzuki Y. Effect of postprandial thermogenesis on the cutaneous vasodilatory response during exercise. *Applied Physiology Nutrition and Metabolism* 2014; 39 (8): 920-926.

Hayashi M. What is an adequate esophageal preset temperature for sufficient ablation lesion formation while avoiding digestive-organ complications during catheter ablation of atrial fibrillation? *Journal of Nippon Medical*

School 2014; 81 (3): 186-187.

Hayes K, Shepard A, Cesarec A, Likić, R. Cost minimisation analysis of thermometry in two different hospital systems. *Postgraduate Medical Journal* 2017, 93 (1104): 603-606.

Hayes M, Castle PC, Ross E.Z, Maxwell NS. The influence of hot humid and hot dry environments on intermittent-sprint exercise performance. *International Journal of Sports Physiology and Performance* 2014; 9 (3): 387-396.

Haymond MW, Redondo MJ, McKay S, Cummins MJ, Newswanger B, Kinzell J, Prestrelski S. Nonaqueous mini-dose glucagon for treatment of mild hypoglycemia in adults with type 1 diabetes: A dose-seeking study. *Diabetes Care* 2016; 39 (3) 465-468

Haynes M, Stang J, Moghaddam M. Real-time microwave imaging of differential temperature for thermal therapy monitoring. *IEEE Transactions on Biomedical Engineering* 2014; 61 (6) Art. No. 6746099, 1787-1797.

Hazari MS, Griggs J, Winsett DW, Haykal-Coates N, Ledbetter A, Costa DL, Farraj AK. A single exposure to acrolein desensitizes baroreflex responsiveness and increases cardiac arrhythmias in normotensive and hypertensive rats. *Cardiovascular Toxicology* 2014; 14 (1): 52-63.

Hazenberg CEVB, Van Netten JJ, Van Baal SG, Bus SA. Assessment of signs of foot infection in diabetes patients using photographic foot imaging and infrared thermography. *Diabetes Technology and Therapeutics* 2014; 16 (6): 370-377.

He J, Liu W, Huang Y-X. Simultaneous determination of glass transition temperatures of several polymers. *PLoS ONE* 2016; 11 (3), art no e0151454

He J, Wilson BC, Piao D, Weersink R. Diffuse optical tomography to monitor the photocoagulation front during interstitial photothermal therapy: Numerical simulations and measurements in tissue-simulating phantoms. *Photonics and Lasers in Medicine* 2014; 3 (3) 241-254.

He W, Frueh J, Hu N, Liu L, Gai M, He Q. Guidable thermophoretic janus micromotors containing gold nanocolorifiers for infrared laser assisted tissue welding. *Advanced Science* 2016; 3 (12), art no 1600206

He X, Xiao Q, Lu C, Wang Y, Zhang X, Zhao J, Zhang W, Zhang X, Deng Y. Uniaxially aligned electrospun all-cellulose nanocomposite nanofibers reinforced with cellulose nanocrystals: Scaffold for tissue engineering. *Biomacromolecules* 2014; 15 (2): 618-627.

He YZ, Yang RZ. Eddy Current Volume Heating Thermography and Phase Analysis for Imaging Characterization of Interface Delamination in CFRP. *IEEE Transactions On Industrial Informatics* 2015; 11 (6): 1287-1297

Heaton MJ, Sain SR, Greasby TA, Uejio CK, Hayden MH, Monaghan AJ, Boehnert J, Sampson K, Banerjee D, Nepal V, Wilhelm OV. Characterizing urban vulnerability to heat stress using a spatially varying coefficient model Spatial and Spatio-temporal. *Epidemiology* 2014; 8: 23-33.

Hebden JN, Leaptrot D, Anttila A, Allen-Bridson K, Brooks JE, Gross C, Scalise E, Wright M-O. Health care-associated infections studies project: An American Journal of Infection Control and National Healthcare Safety Network data quality collaboration 2016 Case #1. *American Journal of Infection Control* 2016; 44 (7) 761-763

Heberle ABD, Ichisato SMT, Nohama P. Breast evaluation during lactation using thermography and pressure algometry. *Acta Plista De Enfermagem*. 2015; 28 (3): 256-263

Heeger C-H, Wissner E, Knöll M, Knoop B, Reissmann B, Mathew S, Sohns C, Lemes C, Maurer T, Santoro F, Riedl J, Inaba O, Fink T, Rottner L, Wohlmuth P, Goldmann B, Ouyang F, Kuck K-H, Metzner A. Three-year clinical outcome after 2nd-generation cryoballoon-based pulmonary vein isolation for the treatment of paroxysmal and persistent atrial fibrillation: A 2-Center Experience. *Circulation Journal* 2017, 81 (7): 974-980.

Hegele PR, Mumford KG. Gas production and transport during bench-scale electrical resistance heating of water and trichloroethene. *Journal of Contaminant Hydrology* 2014; 165: 24-36.

Heger A, Pock K, Römisch J. Thawing of Pooled Solvent/Detergent-Treated Plasma octoplasLG®: Validation Studies Using Different Thawing Devices. *Transfusion Medicine and Hemotherapy* 2017, 44 (2): 94-98.

Heideklang R, Shokouh P. Multi-sensor image fusion at signal level for improved near-surface crack detection. *NDT & E International* 2015; 71: 16-22

Heljo PS, Schmidt C, Klengel R, Majumdar HS, Lupo D. Electrical and thermal analysis of frequency dependent filamentary switching in printed rectifying diodes. *Organic Electronics* 2015; 20: 69-75

Helou E, Grant M, Landry M, Wu X, Morrow JS, Malinis MF. Fatal case of cutaneous-sparing orolaryngeal zoster in a renal transplant recipient. *Transplant Infectious Disease* 2017, 19 (4), art. no. e12704.

Hembry N. Use of CTC assays as a diagnostic aid – some clinical experience (abstract). *Thermology international* 2015, 25(1) 19

Hempel M, Tomm JW, Stojetz B, König H, Strauss U, Elsaesser T. Kinetics of catastrophic optical damage in GaN-based diode lasers. *Semiconductor Science and Technology* 2015; 30 (7) 07200101

Henderson J. Comment. *Neuromodulation* 2014; 17 (3), p. 241.

Hendy IW, Michie L, Taylor BW. Habitat creation and biodiversity maintenance in mangrove forests: Teredinid bivalves as ecosystemengineers. *Peer J* 2014 (1), art. no. e591.

Heng X.-P, Li L, Huang S.-P, Chen Y, Lin M.-X, Zhuang H.-S, Yan Q.-F, Yang L.-Q, Chen L, Lin Q, Cheng X.-L, Chen M.-L, Chen Y.-C, Lan Y.-L, Wang Z.-T, Yao S.-H, Zhang Z.-S. [Effect of danggua recipe on glycolipid metabolism and VCAM-1 and its mRNA expression level in Apo E(-/-) mice with diabetes mellitus] *Zhongguo Zhong xi yi jie he za zhi Zhongguo Zhongxiyi jiehe zazhi = Chinese journal of integrated traditional and Western medicine / Zhongguo Zhong xi yi jie he xue hui Zhongguo Zhong yi yan jiu yuan zhu ban* 2014; 34 (9): 1086-1095.

Henning AL, Levitt DE, Vingren JL, McFarlin BK. Measurement of T-Cell telomere length using amplified-signal FISH staining and flow cytometry. *Current Protocols in Cytometry* 2017; 7.47.1-7.47.10.

Henriksen BS, Gardiner G, Garff K, Gupta I, Stagg BC, Zaugg B, Pettey JH, Barlow WR, Jr Olson RJ. Thermal evaluation of two phacoemulsification systems. *Canadian journal of ophthalmology Journal canadien d'ophtalmologie* 2016; 51 (1) 14-18

Henriksson P, Lu Q, Diczfalusy U, Freyschuss A. Immediate effect of passive smoking on microcirculatory flow. *Microcirculation* 2014; 21 (7) 587-592.

Herborn KA, Graves JL, Jerem P, Evans NP, Nager R, McCafferty DJ, McKeegan DEF. Skin temperature reveals the intensity of acute stress. *Physiology & Behavior* 2015; 152: 225-230

Herc ES, Manthei D, Riddell J. Fever in a traveler returning from Africa. *JAMA - Journal of the American Medical Association* 2017, 317 (13): 1370-1371.

Heriansyah R, Abu-Bakar SAR, Nahhas A. Quantitative Defect Characterization for Passive Thermography Application. *Research In Nondestructive Evaluation* 2015; 26 (3): 133-153

Hermann A, Ried-Larsen M, Jensen AK, Holst R, Andersen LB, Overgaard S, Holsgaard-Larsen A. Low validity of the Sensewear Pro3 activity monitor compared to indirect calorimetry during

Hernandez D, Kim KS, Michel E, Lee SY. Correction of B0 Drift Effects in Magnetic Resonance Thermometry using Magnetic Field Monitoring Technique. *Concepts in Magnetic Resonance Part B: Magnetic Resonance Engineering* 2016; 46B (2) 81-89

Hernandez-Contreras D, Peregrina-Barreto H, Rangel-Magdaleno J, Ramirez-Cortes J, Renero-Carrillo F. Automatic classification of thermal patterns in diabetic foot based on morphological pattern spectrum.

Hernandez-Valle S, Peters K. Numerical simulation of phase images and depth reconstruction in pulsed phase thermography. *Measurement Science and Technology* 2015; 26 (11) 115602

Herndon JM, Cholanians AB, Lizarraga LE, Lau SS, Monks TJ. Catechol-O-methyltransferase and 3,4-(±)-

Herrick AL, Murray AK, Ruck A, Rouru J, Moore TL, Whiteside J, Hakulinen P, Wigley F, Snapir A. A double-blind randomized placebo-controlled crossover trial of the α_2c -adrenoceptor antagonist orm-12741 for prevention of cold-induced vasospasm in patients with systemic sclerosis. *Rheumatology (United Kingdom)* 2014; 53 (5), art. no. ket421: 948-952.

Herrick AL. Evidence-based management of Raynaud's phenomenon. *Therapeutic Advances in Musculoskeletal Disease* 2017, 9 (12): 317-329.

Hersh DS, Kim AJ, Winkles JA, Eisenberg HM, Woodworth GF, Frenkel V. Emerging Applications of Therapeutic Ultrasound in Neuro-oncology: Moving beyond Tumor Ablation. *Neurosurgery* 2016; 79 (5) 643-654

Hess M, Vanoni D, Petrovic V, Kuester F. High-resolution thermal imaging methodology for non-destructive evaluation of historic structures. *Infrared Physics & Technology* 2015; 73: 219-225

Hester PY, AL-Ramamneh DS, Makagon MM, Cheng HW. Effect of partial comb and wattle trim on pullet behavior and thermoregulation. *Poultry Science* 2015; 94 (5): 860-866

Heussner N, Holl L, Nowak T, Beuth T, Spitzer MS, Stork W. Prediction of temperature and damage in an irradiated human eye. Utilization of a detailed computer model which includes a vectorial blood stream in the choroid. *Computers in Biology and Medicine* 2014; 51: 35-43.

Hew-Butler T, Hummel J, Rider B.C, Verbalis JG. Characterization of the effects of the vasopressin V2 receptor on sweating fluid balance and performance during exercise. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 307 (4): R366- R375.

Heyn CC, Bishop J, Duffin K, Lee W, Dazai J, Spring S, Nieman BJ, Sled JG. Magnetic resonance thermometry of flowing blood. *NMR in Biomedicine* 2017, 30 (11), art. no. e3772.

Hidalgo Salvador E, Álvarez González F, Salvador Luna A. Application of infrared thermography in legal medicine. Is it a valid test for an objective assessment of painful syndromes? Temporomandibular disorder [Aplicación de la termografía infrarroja en medicina legal. Prueba válida para la objetivación de los síndromes dolorosos? Disfunción temporomandibular]. *Cuadernos de Medicina Forense* 2014; 20 (2-3): 77-84.

Hidasi E, Diószeghy P, Káplár M, Mechler F, Bereczki D. Temperature sensitivity of some nerve conduction parameters in diabetic polyneuropathy *Ideggyogyaszati Szemle* 2014; 67 (5-6): 178- 186.

Hidayah MN, Liu C.Y, Joanna OSM. Ketamine and tramadol for the prevention of shivering during spinal anaesthesia. *Clinica Terapeutica* 2014; 165 (4): 193-198.

Higashino T, Nakagami G, Kadono T, Ogawa Y, Iizaka S, Koyanagi H, Sasaki S, Haga N, Sanada H. Combination of thermographic and ultrasonographic assessments for early detection of deep tissue injury. *International Wound*

Journal 2014; 11 (5): 509-516.

Higgins II HW, Lee KC, Leffell DJ. Point of care cutaneous imaging technology in melanoma screening and mole maing. F1000Prime Reports 2014; 6, Art. No. 34.

Hill DL, Lindström J, McCafferty DJ, Nager RG. Female but not male zebra finches adjust heat output in response to increased incubation demand. *Journal of Experimental Biology* 2014; 217 (8): 1326-1332.

Hillson R. Diabetes and temperature. *Practical Diabetes* 2016; 33 (2) 45-46

Hilmo J, Naesheim T, Gilbert M. "Nobody is dead until warm and dead": Prolonged resuscitation is warranted in arrested hypothermic victims also in remote areas - A retrospective study from northern Norway. *Resuscitation* 2014; 85 (9): 1204-1211.

Hindasageri V, Kuntikana P, Vedula RP, Prabhu SV. An experimental and numerical investigation of heat transfer distribution of perforated plate burner flames impinging on a flat plate. *International Journal of Thermal Sciences* 2015; 94: 156-169

Hindasageri V, Vedula RP, Prabhu SV. Heat transfer distribution of swirling flame jet impinging on a flat plate using twisted tapes. *International Journal of Heat and Mass Transfer* 2015; 91: 1128-1139

Hine K, Hosono S, Kawabata K, Miyabayashi H, Kanno K, Shimizu M, Takahashi S. Nasopharynx is well-suited for core temperature measurement during hypothermia therapy. *Pediatrics International* 2017, 59 (1): 29-33.

Hirano J, Takamiya A, Yamagata B, Hotta S, Miyasaka Y, Pu S, Iwanami A, Uchida H, Mimura M. Frontal and temporal cortical functional recovery after electroconvulsive therapy for depression: A longitudinal functional near-infrared spectroscopy study. *Journal of Psychiatric Research* 91: 26-35.

Hirata H, Mizerska K, Dallacasagrande V, Rosenblatt MI. Estimating the osmolarities of tears during evaporation through the "eyes" of the corneal nerves. *Investigative Ophthalmology and Visual Science* 2017, 58 (1): 168-178.

Hirata K, Nishihara M, Oshima Y, Hirano S, Kitajima H. Application of transcutaneous carbon dioxide tension monitoring with low electrode temperatures in premature infants in the early postnatal period. *American Journal of Perinatology* 2014; 31 (5): 435-439.

Hirsch S, Ibrahim A, Krämer L, Escolano-Lozano F, Schlereth T, Birklein F. Bone Trauma Causes Massive but Reversible Changes in Spinal Circuitry. *Journal of Pain* 2017, 18 (4): 468-476.

Hirvonen JJ, Kaukoranta S-S. Comparison of FecalSwab and ESwab devices for storage and transportation of diarrheagenic bacteria *Journal of Clinical Microbiology* 2014; 52 (7): 2334- 2339.

Ho VY, Wehmeier JM, Shah GK. Wide-field infrared imaging: A descriptive review of characteristics of retinoschisis retinal detachment and schisis detachments. *Retina* 2016; 36 (8) 1439-1445

Hoang K.B, Cassar IR, Grill WM, Turner DA Biomarkers and stimulation algorithms for adaptive brain stimulation. *Frontiers in Neuroscience* 2017, Article Number: 564.

Hocherl N, Tautz J. Thermoregulation of individual paper wasps (*Polistes dominula*) plays an important role in nest defence and dominance battles. *Science of Nature* 2015; 102(5-6) 32

Hodges GJ, Del Pozzi AT. Noninvasive examination of endothelial sympathetic and myogenic contributions to regional differences in the human cutaneous microcirculation. *Microvascular Research* 2014; 93: 87-91.

Hofer IMJ, Hart AJ, Martín-Vega D, Hall MJR. Optimising crime scene temperature collection for forensic entomology casework. *Forensic Science International* 2017, 270: 129-138.

Hoffmann A, Dumke C, Bernau M, Kremer P. Infrared thermography – new concepts for refinement and reduction in animal use for testing of biologicals (extended abstract). *Thermology international* 2015, 25(3) 108.

Hoffmann A, Dumke C, Cußler K. Concepts in thermography for refinement and reduction in animal use for testing of biologicals (extended abstract). *Thermology international* 2015, 25(1) 31

Hoffmann A, Dumke C, Hanschmann K-M Thermal imaging – a biometric approach for evaluation of local side effects after vaccination (extended abstract). *Thermology international* 2015, 25(1) 20-21

Hoffmann N, Weidner F, Urban P, Meyer T, Schnabel C, Radev Y, Schackert G, Petersohn U, Koch E, Gumhold S, Steiner G, Kirsch M. Framework for 2D-3D image fusion of infrared thermography with preoperative MRI. *Biomedizinische Technik* 2017, 62(6) 599-607.

Hofmann T, Elbelt U, Ahnis A, Kobelt P, Rose M, Stengel A. Irisin levels are not affected by physical activity in patients with anorexia nervosa. *Frontiers in Endocrinology* 2014; 5 (JAN), art. no. Article 202.

Hofmeyr R, D'Alton C. Heat-related illness in the African wilderness. *South African Medical Journal* 2017, 107 (8): 664-668.

Hofmeyr R. Wilderness cold-exposure injuries: An African perspective. *South African Medical Journal* 2017, 107 (7): 566-570.

Hofstatter M, Raidl N, Sartory B, Supancic P. Nonlinear Lock-in Infrared Microscopy: A Complementary Investigation Technique for the Analysis of Functional Electroceramic Components. *Microscopy and Microanalysis* 2015; 21 (5): 1145-1152

Holcomb KE, Tucker CB, Stull CL. Preference of domestic horses for shade in a hot sunny environment. *Journal of*

animal science 2014; 92 (4): 1708-1717.

Hollmach J, Schnabel C, Hoffmann N, Radev Y, Sobottka S, Kirsch M, Schackert G, Koch E, Steiner G. Intraoperative imaging of cortical perfusion by time-resolved thermography using cold bolus approach. Progress in Biomedical Optics and Imaging - Proceedings of SPIE 2014; 9036, art. no. 903627.

Holloway RW, Ahmad S, Kendrick JE, Bigsby GE, Brudie LA, Ghurani GB, Stavitzski NM, Gise JL, Ingersoll SB, Pepe JW. A Prospective Cohort Study Comparing Colorimetric and Fluorescent Imaging for Sentinel Lymph Node Mapping in Endometrial Cancer. Annals of Surgical Oncology 2017, 24 (7): 1972-1979.

Holloway RW, Gupta S, Stavitzski NM, Zhu X, Takimoto EL, Gubbi A, Bigsby GE, Brudie LA, Kendrick JE, Ahmad S. Sentinel lymph node mapping with staging lymphadenectomy for patients with endometrial cancer increases the detection of metastasis. Gynecologic Oncology 2016; 141 (2) 206-210

Holper L, Mitra S, Bale G, Robertson N, Tachtsidis I. Prediction of brain tissue temperature using near-infrared spectroscopy. Neurophotonics 2017, 4 (2), art. no. 021106.

homogeneity in the development and implementation of a closed recirculating CO2 chemohyperthermia model. International Journal of Hyperthermia 1-7 Article in Press

Honda S, Sidharta SL, Shishikura D, Takata K, Di Giovanni GA, Nguyen T, Janssan A, Kim SW, Andrews J, Psaltis PJ, Worthley MI, Nicholls SJ. High-density lipoprotein cholesterol associated with change in coronary plaque lipid burden assessed by near infrared spectroscopy. Atherosclerosis 2017, 265: 110-116.

Hong KH, Lee H, Forman EJ, Upham KM, Scott JR, RT. Examining the temperature of embryo culture in in-vitro fertilization: A randomized controlled trial comparing traditional core temperature (37°C) to a more physiologic cooler temperature (36°C). Fertility and Sterility 2014; 102 (3): 767- 773.

Hong S-M, Kim J-W, Knowles JC, Gong M-S. Facile preparation of antibacterial, highly elastic silvered polyurethane nanofiber fabrics using silver carbamate and their dermal wound healing properties. Journal of Biomaterials Applications 2017, 31(7) 1026-1038

Hong T, Koo C, Kim J, Lee M, Jeong K. A review on sustainable construction management strategies for monitoring diagnosing and retrofitting the building's dynamic energy performance: Focused on the operation and maintenance phase. Applied Energy 2015; 155: 671-707

Honorato dos Santos H, de Araújo Silva Y, Herculano dos Santos B, de Almeida Ferreira J. Thermographic analysis of the anaerobic exercise post-recovery by cold water immersion (extended abstract). Thermology international 2015, 25(3) 142.

Hoogstins CES, Tummers QRJG, Gaarenstroom KN, De Kroon CD, Trimbos JBMZ, Bosse T, Smit VTHBM, Vuyk J, Van De Velde CJH, Cohen AF, Low PS, Burggraaf J, Vahrmeijer AL. A novel tumor- specific agent for intraoperative near-infrared fluorescence imaging: A translational study in healthy volunteers and patients with ovarian cancer. Clinical Cancer Research 2016; 22 (12) 2929-2938

Hope K, Eglin C, Golden F, Tipton M. Sublingual glyceryl trinitrate and the peripheral thermal responses in normal and cold-sensitive individuals. Microvascular Research 2014; 91: 84-89.

Hoppe C, Witt J-A, Helmstaedter C, Gasser T, Vatter H, Elger CE. Stereotactic laser thermocoagulation in epilepsy surgery [Stereotaktische Laserthermokoagulation in der Epilepsiechirurgie]. Nervenarzt 2017, 88 (4): 397-407.

Horie O, Shibata H, Okamoto C, Natsuaki M, Shibata M. Assessment of fever for infection control using thermography facial thermography in patients with fever (extended abstract). Thermology international 2015, 25(3) 135

Horie S. [Disorders caused by heat cold and abnormal pressure]. Nihon rinsho. Japanese journal of clinical medicine 2014; 72 (2): 223-235.

Horikoshi M, Inokuma S, Kijima Y, Kobuna M, Miura Y, Okada R, Kobayashi S. Thermal disparity between fingers after cold-water immersion of hands: A useful indicator of disturbed peripheral circulation in Raynaud phenomenon patients. Internal Medicine 2016; 55 (5) 461-466

Horn E-P, Bein B, Steinfath M, Ramaker K, Buchloh B, Höcker J. The incidence and prevention of hypothermia in newborn bonding after cesarean delivery: A randomized controlled trial. Anesthesia and Analgesia 2014; 118 (5): 997-1002.

Horn K, Beier O, Wiegand C, Laaouina A, Fink S, Pfuch A, Schimanski A, Grünler B, Hipler U-C. Screening test of a new pulsed plasma jet for medical application. Plasma Medicine 2017, 7(2) 133-145.

Hornfeck C, Geiss C, Rucker M, Grosse CU. Comparative Study of State of the Art Nondestructive Testing Methods with the Local Acoustic Resonance Spectroscopy to Detect Damages in GFRP. Journal of Nondestructive Evaluation 2015; 34 (2) 10

Horosz B, Malec-Milewska M. Methods to prevent intraoperative hypothermia. Anaesthesiology Intensive Therapy 2014; 46 (2): 96-100.

Horta R, Nascimento R, Vilas-Boas J, Sousa F, Orvalho V, Silva A, Amarante JM. Thermographic analysis of facially burned patients. Burns 2016; 42 (1) 236-238

Horvath TL, Stachenfeld NS, Diano S. A temperature hypothesis of hypothalamus-driven obesity. Yale Journal of

Biology and Medicine 2014; 87 (2): 149-158.

Hoseinpour F, Foroughi A, Nomanpour B, Nasab RS. Identification and differentiation of *Campylobacter* species by high-resolution melting curve analysis. *Microbial Pathogenesis* 2017, 108: 109-113.

Hoskinson C, McCain S, Allender M.C. Comparison of body temperature readings between an implantable microchip and a cloacal probe in lorikeets (*Trichoglossus haematodus* sp.). *Zoo Biology* 2014; 33 (5): 452- 454.

Hosoi A, Yamaguchi Y, Ju Y, Sato Y, Kitayama T. Detection and quantitative evaluation of defects in glass fiber reinforced plastic laminates by microwaves. *Composite Structures*, 2015; 128: 134-144

Hossain S, Mohammadi FA. Tumor parameter estimation considering the body geometry by thermography. *Computers in Biology and Medicine* 2016; 76 80-93

Hostler D, Franco V, Martin-Gill C, Roth RN. Recognition and treatment of exertional heat illness at a marathon race. *Prehospital Emergency Care* 2014; 18 (3): 456-459.

Hothersall B, Caplen G, Parker RMA, Nicol CJ, W atermann-Pearson AE, Weeks CA, Murrell JC. Thermal nociceptive threshold testing detects altered sensory processing in broiler chickens with spontaneous lameness. *PLoS ONE* 2014; 9 (5) Art. No. e97883.

Hou C, Wang H, Zhang Q, Li Y, Zhu M. Highly conductive flexible and compressible all-graphene passive electronic skin for sensing human touch. *Advanced Materials* 2014; 26 (29): 5018-5024.

Hou X, Zhou H, Wang L, Tang J, Chen C, Jiang G, Liu Y. Multifunctional near-infrared dye-magnetic nanoparticles for bioimaging and cancer therapy. *Cancer Letters* 2017, 390: 168-175.

House R, Holness L, Taraschuk I, Nisenbaum R. Infrared thermography in the hands and feet of hand-arm vibration syndrome (HAVS) cases and controls. *International Journal of Industrial Ergonomics* 2017, 62: 70-76.

House R, Holness L, Taraschuk I, Nisenbaum R. Infrared thermography in the hands and feet of hand-arm vibration syndrome (HAVS) cases and controls. (2017) *International Journal of Industrial Ergonomics* Article in Press

Howard JD, Sarojini H, Wan R, Chien S. Rapid granulation tissue regeneration by intracellular ATP delivery - A comparison with Regranex. *PLoS ONE* 2014; 9 (3) Art. No. e91787.

Howell K, Adams M, Hartnell G, Smith R. Finger cooling during cold stress and surface area-to-volume ratio in healthy subjects, and patients with primary and secondary Raynaud's phenomenon (extended abstract). *Thermology international* 2015, 25(3) 122.

Howell K, Adams M, Smith R, Denton Ch. A simple model for finger cooling during the cold stress test: the relationship between temperature drop and surface area-to-volume ratio (extended abstract). *Thermology international* 2015, 25(2) 69-70.

Howell K, Soroko M, Dudek K, Jodkowska E. Thermographic evaluation of racehorse performance (extended abstract). *Thermology international* 2015, 25(3) 107.

Howell K, Soroko M, Dudek K. Influence of breed, age, gender, training intensity level and ambient temperature on back and forelimb temperature in racehorses (extended abstract). *Thermology international* 2015, 25(3) 108.

Howell K, Vardasca R, Ammer K. General Assembly of the European Association of Thermology in Madrid, 3thSeptember March, 2015. *Thermology international* 2015, 25(3) 216-217

Howell K. Infrared Imaging, Review of the book "Infrared Imaging: A casebook in clinical medicine" Edited by Francis Ring, Anna Jung and Janusz Zuber (IOP Publishing, Bristol, UK), *Thermology international* 2016, 26(1) 43

Hrabalek L, Sternbersky J, Adamus M. Risk of sympathectomy after anterior and lateral lumbar Interbody fusion procedures. *Biomedical Papers-Olomouc* 2015; 159 (2): 318-326

Hrycushko BA, Bing C, Futch C, Wodzack M, Stojadinovic S, Medin PM, Chopra R. Technical Note: System for evaluating local hypothermia as a radioprotector of the rectum in a small animal model. *Medical Physics* 2017, 44 (8): 3932-3938.

Hsiao WT, Lin LH, Chiang HJ, Ou KL, Cheng HY. Biomedical electrosurgery devices containing nanostructure for minimally invasive surgery: reduction of thermal injury and acceleration of wound healing for liver cancer. *Journal of Materials Science-Materials in Medicine* 2015; 26 (2) 77

Hsiao Y-S, Deng CX. Calibration and Evaluation of Ultrasound Thermography Using Infrared Imaging. *Ultrasound in Medicine and Biology* 2016; 42 (2) 503-517

Hsieh C-H, Yang SS-D, Lin C-D, Chang S-J. Are prophylactic antibiotics necessary in patients with preoperative sterile urine undergoing ureterorenoscopic lithotripsy? *BJU International* 2014; 113 (2): 275-280.

Hsiu H, Hsu CL, Hu H-F, Hsiao F-C, Yang S-H. Complexity analysis of beat-to-beat skin-surface laser- Doppler signals in diabetic subjects *Microvascular Research* 2014; 93: 9-13.

Hsu DFC, Ilan E, Peterson WT, Uribe J, Lubberink M, Levin CS. Studies of a next-generation silicon-photomultiplier-based time-of-flight PET/CT system. *Journal of Nuclear Medicine* 2017, 58 (9): 1511-1518.

Hsu H-T, Chang S-J, Huang K-F, Tai P-A, Li T-C, Huang C-J. Correlation between lumbar lordosis and the treatment of chronic low back pain with pulsed radiofrequency applied to the L2 dorsal root ganglion. *Formosan*

Journal of Surgery 2017, 50 (4): 125-130.

Hsu H-T, Chen M-J, Tseng T-P, Cheng L-H, Huang L-J, Yeh T-S. Kinetics for the distribution of acrylamide
Htun NM, Chen YC, Lim B, Schiller T, Maghzal GJ, Huang AL, Elgass KD, Rivera J, Schneider HG, Wood BR,
Stocker R, Peter K. Near-infrared autofluorescence induced by intraplaque hemorrhage and heme degradation as
marker for high-risk atherosclerotic plaques. *Nature Communications* 2017, 8(1) Article Number: 75

Hu B, Yu RQ. Micro-magnetic NDT for delamination defects in carbon fibre-reinforced plastic. *INSIGHT* 2015; 57
(2): 74-77

Hu D, Wang C, Tao F, Cui Q, Xu X, Shang W, Hu X. Whole genome wide expression profiles on germination of
Verticillium dahliae microsclerotia. *PLoS ONE* 2014; 9 (6) Art. No. e100046.

Hu S, Lin X, Zhang Y, Huang R, Qu Y, Luo X, Zhou J. Preparation and application of alginate-Ca/attapulgite clay
core/shell particle for the removal of uranium from aqueous solution. *Journal of Radioanalytical and Nuclear
Chemistry* 2017, 314 (1): 307-319.

Hu T, Yuan X, Ye R, Zhou H, Lin J, Zhang C, Zhang H, Wei G, Dong M, Huang Y, Lim W, Liu Q, Lee HJ, Jin W.
Brown adipose tissue activation by rutin ameliorates polycystic ovary syndrome in rat. *Journal of Nutritional
Biochemistry* 2017, 47: 21-28.

Huang AS, Li M, Yang D, Wang H, Wang N, Weinreb RN. Aqueous Angiography in Living Nonhuman Primates
Shows Segmental Pulsatile and Dynamic Angiographic Aqueous Humor Outflow. *Ophthalmology* 2017, 124 (6):
793-803.

Huang C-W, Pan S-T, Zhou J-T, Chang C-Y. Enhanced temperature control method using ANFIS with FPGA. *The
Scientific World Journal* 2014; art. no. 239261.

Huang GQ, Xiao JX, Qiu HW, Yang J. Cross-linking of soybean protein isolate-chitosan coacervate with
transglutaminase utilizing capsanthin as the model core. *Journal of Microencapsulation* 2014; 31 (7): 708- 715.

Huang H-YS, Subramanian A. Editorial: Special section on spectroscopy scattering and imaging techniques for
nanostructured materials. *Journal of Nanotechnology in Engineering and Medicine* 2014; 5 (2), art. no. 020201.

Huang S, Lim S.Y, Gupta A, Bag N, Wohland T Plasma membrane organization and dynamics is probe and cell
line dependent. *Biochimica et Biophysica Acta - Biomembranes* 2017, 1859(9) 1483-1492.

Huang S-C, Kang J-W, Tsai H-W, Shan Y-S, Lin X-Z Lee G-B. Electromagnetic thermotherapy for deep organ
ablation by using a needle array under a synchronized-coil system. *IEEE Transactions on Biomedical Engineering*
2014; 61 (11) Art. No. 6860281, 2733-2739.

Huang X-F, Yan Q-X, Gong P-F, Yu H, Zhong L-Y, Gong Q-F. Optimization of rice-washed water rinsing process
technology for *Atractylodes Macrocephalae* Rhizoma by central composite design-response surface methodology.
Chinese Traditional and Herbal Drugs 2017, 48 (1): 109-113.

Huang Y, Zhang B, Gao Y, Zhang J, Shi L. Baicalein-nicotinamide cocrystal with enhanced solubility dissolution
and oral bioavailability. *Journal of Pharmaceutical Sciences* 2014; 103 (8): 2330-2337.

Huberman JS, Chivers ML. Examining gender specificity of sexual response with concurrent thermography and
plethysmography. *Psychophysiology* 2015; 52 (10): 1382-1395

Huberman JS, Chivers ML. Using concurrent thermography and plethysmography to assess the, gender-
specificity of women's and men's sexual responses. *Psychophysiology* 2015; 52: S97-S97

Huberman JS, Dawson SJ, Chivers ML. Examining the time course of genital and subjective sexual responses in
women and men with concurrent plethysmography and thermography. *Biological Psychology* 2017, 129: 359-369.

Hubig M, Muggenthaler H, Mall G. Conditional probability distribution (CPD) method in temperature based death
time estimation: Error propagation analysis. *Forensic Science International* 2014; 238: 53-58.

Hubig M, Muggenthaler H, Schenkl S, Mall G. Do multiple temperature measurements improve temperature-based
death time estimation? The information degradation inequality. *International Journal of Legal Medicine* 2016; 130
(5) 1243-1251

Hübner F, Leithäuser C, Bazrafshan B, Siedow N, Vogl TJ. Validation of a mathematical model for laser-induced
thermotherapy in liver tissue. *Lasers in Medical Science* 2017, 32 (6): 1399-1409.

Hue O, Le Jeannic P, Chamari K. A pilot study on how do elite surfski paddlers manage their effort and hydration
pattern in the heat. *Biology of Sport* 2014; 31 (4) 283-288.

Hughes M, Wilkinson J, Moore T, Manning J, New P, Dinsdale G, Murray A, Herrick AL. Thermographic
abnormalities are associated with future digital ulcers and death in patients with systemic sclerosis. *Journal of
Rheumatology* 2016; 43 (8) 1519-1522

Hunt AP, Parker AW, Stewart IB. Heat strain and hydration status of surface mine blast crew workers. *Journal of
Occupational and Environmental Medicine* 2014; 56 (4): 409-414.

Hunt HB, Donnelly E. Bone Quality Assessment Techniques: Geometric Compositional and Mechanical
Characterization from Macroscale to Nanoscale. *Clinical Reviews in Bone and Mineral Metabolism* 2016; 14 (3)
133-149

- Hunt S, Boyle C, Wells R. Comfort and performance of power line maintainers' gloves during electrical utility work in the cold. *Work* 2014; 47 (1): 111-121.
- Hunter RHF, López-Gatius F, López-Albors O. Temperature gradients in vivo influence maturing male and female gametes in mammals: Evidence from the cow. *Reproduction Fertility and Development* 2017, 29 (12): 2301-2304.
- Hurley-Sanders JL, Larsen RS, Troan B, Loomis M. Fungal Osteomyelitis In Two Bufflehead Ducklings (*Bucephala Albeola*). *Journal of Zoo and Wildlife Medicine* 2015; 46 (3): 613-616
- Hurley-Sanders JL, Sladky KK, Nolan EC, Loomis MR. Use of cortical bone fenestration, togenous free skin graft, and, thermography for wound treatment and monitoring in a red wolf (*canis, rufus gregoryi*). *Journal of Zoo and Wildlife Medicine* 2015; 46 (3): 617-620
- Husain Rosyad MK, Pujiant N, Setyaningrum R, Rahman F, Saputra M. Evaluation of waste water treatment toward physical chemical and biological parameters in WWTP Basirih Banjarmasin Indonesia. *Indian Journal of Public Health Research and Development* 2017, 8 (4): 340-344.
- Hussain I, Price GW, Farid AH. Inactivation of aleutian mink disease virus through high temperature exposure in vitro and under field-based composting conditions. *Veterinary Microbiology* 2014; 173 (1-2): 50-58.
- Hussein NA, Shahein YE, El-Hakim AE, Abouelella AM, Guneidy RA, Hamed RR. Molecular cloning of Ra- sHSP1 a novel member of the HSP20 family from *Rhipicephalus annulatus* salivary glands. *International Journal of Biological Macromolecules* 2014; 67, 7-15.
- Hussmann B, Lendemans S, de Groot H, Rohrig R. Volume replacement with Ringer-lactate is detrimental in severe hemorrhagic shock but protective in moderate hemorrhagic shock: Studies in a rat model. *Critical Care* 2014; 18 (1) Art. No. R5.
- Hutchison RL. Frostbite of the hand. *Journal of Hand Surgery* 2014; 39 (9): 1863-1868.
- Hwang PYK, Lewis PM, Maller JJ. Use of intracranial and ocular thermography before and after arteriovenous malformation excision. *Journal of Biomedical Optics* 2014; 19 (11), art. no. 140494LR .
- Hwang SH, Yoo H-S, Yoon MK, Park H-S. Detection of IgE binding component to infliximab in a patient with infliximab-induced anaphylaxis *Annals of Allergy Asthma and Immunology* 2014; 112 (4): 393-394.
- Hynd PI, Czerwinski VH, Mcwhorter TJ. Is propensity to obesity associated with the diurnal pattern of core body temperature. *International Journal of Obesity* 2014; 38 (2): 231-235.
- Ibbara-Castanedo C, Maldague XP. Review of pulsed phase thermography. In: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20- 23 2015, Baltimore MD, 2015; pp. 94850T-94850T-10.*
- Ibos L, Monchau JP, Feuillet V, Candau Y, BE Meriaudeau F, Aubreton O. A comparative study of in-situ measurement methods of a building wall thermal resistance using Infrared thermography. *Proceedings of SPIE 12th International Conference on Quality Control by Artificial Vision JUN 03-05, 2015, Le Creusot France, 2015; 9534*
- Ibrahim IT, Megalla SA, Khalifa OSM, El Salah Deen HM. Prophylactic vs. therapeutic magnesium sulfate for shivering during spinal anesthesia. *Egyptian Journal of Anaesthesia* 2014; 30 (1): 31- 37.
- Ibrahim MM, Tawfique SAH, Mahdy MM. Liposomal diltiazem HCl as ocular drug delivery system for glaucoma. *Drug Development and Industrial Pharmacy* 2014; 40 (6) 765-773.
- Iden T, Horn E-P, Bein B, Böhm R, Höcker J. Reply to: Zero-heat flux thermometry. *European Journal of Anaesthesiology* 2016; 33 (2) 141-143
- Igaki M, Higashi T, Hamamoto S, Kodama S, Naito S, Tokuhara S. A study of the behavior and mechanism of thermal conduction in the skin under moist and dry heat conditions. *Skin Research and Technology* 2014; 20 (1) 43-49.
- Ignatieva NY, Zakharkina OL, Masayshvili CV, Maximov SV, Bagratashvili VN, Lunin VV. The role of laser power and pullback velocity in the endovenous laser ablation efficacy: an experimental study. *Lasers in Medical Science* 2017, 32 (5): 1105-1110.
- Ikeda A, Nakagawa H, Lambert H, Shah D.C, Fonck E, Yulzari A, Sharma T, Pitha JV, Lazzara R, Jackman W M. Relationship between catheter contact force and radiofrequency lesion size and incidence of steam pop in the beating canine heart: Electrogram amplitude impedance and electrode temperature are poor predictors of electrode-tissue contact force and lesion size. *Circulation: Arrhythmia and Electrophysiology* 2014; 7 (6): 1174-1180.
- Ikeda M, Wakasaki R, Schenning KJ, Swide T, Lee JH, Bernie Miller M, Choi HS, Anderson S, Hutchens MP. Determination of renal function and injury using near-infrared fluorimetry in experimental cardiorenal syndrome. *American Journal of Physiology - Renal Physiology* 2017, 312 (4): F629-F639.
- Ikkatai Y, Watanabe S. Eye surface temperature detects stress response in budgerigars (*Melopsittacus undulatus*). *Neuroreport* 2015; 26 (11): 642-646
- Imade K, Kageyama T, Koyama D, Watanabe Y, Nakamura K, Akiyama I. Measurement of sound pressure and temperature in tissue-mimicking material using an optical fiber Bragg grating sensor. *Journal of Medical Ultrasonics*

2016; 43 (4) 473-479

Imbery TE, Tampio AJ, Nicholas BD. Thermal Variations of Operative Microscopes in Otolaryngology - Head and Neck Surgery (United States) 2017, 157 (1): 113-116.

Implications for the effective management of Diarrhea. PLoS ONE 2014; 9 (4), art. no. e95636.

in French fries fried oil and vapour during frying of potatoes. Food Chemistry 2016; 211 669-678

Inbal A, Teven CM, Chang DW. Latissimus dorsi flap with vascularized lymph node transfer for lymphedema treatment: Technique outcomes indications and review of literature. Journal of Surgical Oncology 2017, 115 (1): 72-77.

İnci D, Aydın R, Vatan Ö, Sevgi T, Yılmaz D, Zorlu Y, Yerli Y, Çoşut B, Demirkan E, Çinkılıç N. Synthesis and crystal structures of novel copper(II) complexes with glycine and substituted phenanthrolines: reactivity towards DNA/BSA and in vitro cytotoxic and antimicrobial evaluation. Journal of Biological Inorganic Chemistry 2017, 22(1) 61-85.

Infrared Physics & Technology 2015; 73: 149-157

Ingegnoli F, Ughi N, Dinsdale G, Orenti A, Boracchi P, Allanore Y, Foeldvari I, Sulli A, Cutolo M, Smith V, Herrick AL, On behalf of the EULAR Study Group on Microcirculation in Rheumatic Diseases Hij A, Sulli A, Nitsche A, Vacca A, Balbir-Gurman A, Abdessemed A, Vargas A, Valenzuela A, Makol A, Baranauskaite A, Derfalvi B, Serrano Benavente B, Sozeri B, Bica BE, Stamenkovic B, Mihai C, Chizzolini C, Abud Mendoza C, de la Puente C, von Muhlen C, Bertolazzi C, Pain C, Ickinger C, Ancuta C, Sunderkotter C, Kayser C, De Araujo DB, Launay D, Khanna D, Krasowska D, Veale D, Kaliterna DM, Rosato E, de Langhe E, Hachulla E, Naredo E, Loyo E, Alvarez Hernández E, Sztajn bok F, Boin F, Longo FJ, van den Hoogen F, Hernandez Molina G, Riemekasten G, Szucs G, Moroncini G, Fragoso Loyo H, Dobrev H, Janta I, Cracowski J-L, Pauling J, Akikusa J, Sotoca Fernández J, Khan Ajaz K, Solanki K, Wierzba K, Romanowska Próchnicka K, Rouster Stevens K, Belloli L, Lewandowski L, Santos L, Saketkoo LA, Ananyeva L, Beretta L, Michalska Jakubus M, Audisio MJ, Milchert M, Molina MJ, Moraes FMF, Terrier MT, Puszczewicz M, Barešić, M, Hufnagel M, Mamani MN, Gutierrez M, Curran M, Hughes M, Becker M, Inanç, M, Petraitis M, Juan Carlos N-G, Fathi N, Aktay Ayaz N, Distler O, Sander O, Ömer PN, García de la Peña Lefebvre P, Caramaschi P, Hasler P, Ostojic P, Bečvář, R, Rodríguez RST, Lima R, Hesselstrand R, Cimaz R, Irace R, Petty R, de Angelis R, Dobrota R, Payne-Poff S, Kubo S, Guiducci S, Popa S, Lambova S, Stebbings S, Rednic S, Yavuz S, Benseler S, Shevtsova T, Daikeler T, Schmeiser T, Frech T, Minier T, Müller Ladner U, Walker U, Riccieri V, Vilela V, Hermann W, Braun-Moscovici Y, Uziel Y, Thierry Z. An international survey on non-invasive techniques to assess the microcirculation in patients with Raynaud's phenomenon (SUNSHINE survey). Rheumatology International 2017, 37 (11): 1879-1890.

Inglese G, Clarelli F, Thin plate approximation in active Infrared thermography. Inverse Problems in Science and Engineering 2015; 23 (6): 1072-1084

Inkinen SI, Liukkonen J, Tiitu V, Virén T, Jurvelin JS, Töyräs J. Ultrasound Backscattering Is Anisotropic in Bovine Articular Cartilage. Ultrasound in Medicine and Biology 2014; Article in press

Inoue Y, Hayashi Y, Kangawa K, Suzuki Y, Murakami N, Nakahara K. Des-acyl ghrelin prevents heatstroke-like symptoms in rats exposed to high temperature and high humidity. Neuroscience Letters 2016; 615 28-32

Insight 2015; 57(5): 266-268

International Journal of Hygiene and Environmental Health 2016; 219 (3) 268-277

International Journal of Hyperthermia 2014; 2014; 30 (4) 258-265.

International Journal of Self-Propagating High-Temperature Synthesis 2015; 24(1): 21-28

Ioannou S, Morris P, Terry S, Baker M, Gallese V, Reddy V. Sympathy crying: Insights from infrared thermal imaging on a female sample. PLoS ONE 2016; 11 (10), art no e0162749

Ioannou S, Morris PH, Baker M, Reddy V, Gallese V. Seeing a blush on the visible and invisible spectrum: A functional thermal infrared imaging study. Frontiers in Human Neuroscience 2017, 11, art. no. 525.

Iosif L, Preoteasa CT, Murariu-Măgureanu C, Preoteasa E. Clinical study on thermography as modern investigation method for Candida-associated denture stomatitis. Romanian Journal of Morphology and Embryology 2016; 57 (1) 191-195

Iosob CV, Antonaci F, Rossi E, Costa A, Sances G, Dalla Volta G. Frontal thermography in healthy individuals and headache patients: reliability of the method. European Journal of Neurology 2015, 22 (S1) 649

Irino T, Hiki N, Ohashi M, Nunobe S, Sano T, Yamaguchi T. The Hit and Away technique: optimal usage of the ultrasonic scalpel in laparoscopic gastrectomy. Surgical Endoscopy and Other Interventional Techniques 2016; 30 (1) 245-250

Irvin MA, Clayton DB, Harris DM. 59-Year-Old Man with Sore Throat and Fever. Mayo Clinic Proceedings 2017, 92 (7): e101-e104.

Isakov DV. Infrared detection of water ingress in a composite laminate crevice based on room temperature evaporation. International Journal of Heat and Mass Transfer 2015; 86: 39-42

Isei T. Indocyanine green fluorescence-navigated sentinel node navigation surgery (SNNS) for cutaneous

- malignant melanoma and extramammary paget's disease. *ICG Fluorescence Imaging and Navigation Surgery* 2014; 193-201
- Isfort P, Witte H, Slabu I, Penzkofer T, Baumann M, Braunschweig T, Kennes LN, Kuhl CK, Schmitz-Rode T, Mahnken AH, Bruners P. Efficacy of magnetic thermoablation using SPIO in the treatment of osteoid osteoma in a bovine model compared to radiofrequency and microwave ablation. *CardioVascular and Interventional Radiology* 2014; 37 (4) 1053-1061.
- Ishigaki M, Yasui Y, Puangchit P, Kawasaki S, Ozaki Y. In vivo monitoring of the growth of fertilized eggs of medaka fish (*Oryzias latipes*) by near-infrared spectroscopy and near-infrared imaging-a marked change in the relative content of weakly hydrogen-bonded water in egg yolk just before hatching.
- Ishizaki T, Nagano H. Measurement of Three-Dimensional Anisotropic Thermal Diffusivities for Carbon Fiber-Reinforced Plastics Using Lock-in Thermography. *International Journal of Thermophysics* 2015; 36(1)0-11: 2577-2589
- Iskenderian C, Gallagher A. Myofascial pain syndrome: A drug-free perspective. *Medicine Today* 2014; 15 (6): 63-67.
- Ismail AQ, Venugopalan V. Neonatal phototherapy fluids and photorelaxation. *Journal of Perinatal Medicine* 2014; 42 (3): 405-406.
- Ismail E, Capo A, Amerio P, Merla A. Functional-thermoregulatory model for the differential diagnosis of psoriatic arthritis. *BioMedical Engineering Online* 2014; 13 (1), art. no. 162.
- Ismail E, Orlando G, Pompa P, Gabrielli D, Di Donato L, Cardone D, Merla A. Time-domain analysis of scrotal thermoregulatory impairment in varicocele. *Frontiers in Physiology* 2014; 5 AUG art. no. Article 342.
- Isobaev P, Bouferguene A, Wichuk KM, McCartney D. An enhanced compost temperature sampling framework: Case study of a covered aerated static pile. *Waste Management* 2014; 34 (7): 1117-1124.
- Ito K, Horiuchi T, Murata T, Hongo K. Analysis of clinically relevant mechanical and thermal characteristics of titanium foam spinal implants during drilling. *Journal of Materials Science-Materials in Medicine* 2015; 26 (9) 237
- Ito M, Ono K, Hitomi S, Nodai T, Sago T, Yamaguchi K, Harano N, Gunjigake K, Hosokawa R, Kawamoto T, Inenaga K. Prostanoid-dependent spontaneous pain and PAR2-dependent mechanical allodynia following oral mucosal trauma: Involvement of TRPV1, TRPA1, and TRPV4. *Molecular Pain* 2017, 13.
- Ivanov IV, Afranas'eva RF, Losik TK. [Evaluation of active equipment protecting distal parts of hands and feet against cold]. *Meditsina truda i promyshlennaia ekologiia* (7): 39-44.
- Ivanov YD, Kozlov AF, Galiullin RA, Tatu VY, Vesnin SG, Ziborov VS, Ivanova ND, Pleshakova TO. Monitoring of brightness temperature fluctuation of water in SHF range. *Patologicheskaiia fiziologiia i eksperimental'naia terapiia* 2017, 61 (2): 101-107.
- Ivanova I, Pittaway A. Principles of anaesthesia for term neonates: An updated practical guide. *Anaesthesia and Intensive Care Medicine* 2014; 15 (3): 103-106.
- Ivins N. Evaluation of the mode of action of a new gel wound dressing. *Wounds UK* 2014; 10 (2): 86-95.
- Iwasa T, Matsuzaki T, Gereltsetseg G, Munkhzaya M, Tungalagsurv A, Murakami M, Yamasaki M, Yamamoto Y, Kuwahara A, Kato T, Yasui T, Irahara M. Site-specific changes in cytokine response to septic dose of lipopolysaccharide in ovariectomized female rats. *Journal of Endocrinological Investigation* 2014; 37 (8): 721-727.
- Iwasa T, Matsuzaki T, Kinouchi R, Gereltsetseg G, Murakami M, Munkhzaya M, Altankhuu T, Kuwahara A, Yasui T, Irahara M. Changes in central and peripheral inflammatory responses to lipopolysaccharide in ovariectomized female rats. *Cytokine* 2014; 65 (1): 65-73.
- Iwasaki A, Ito T, Kawakami H, Nishiwaki K, Numata T, Saito M, Tsuboi R. A case of cholinergic urticaria with localized hypohidrosis showing sweat gland eosinophilic infiltration. *Allergy International* 2017, 66 (3): 495-496.
- Iwase S, Inukai Y, Nishimura N, Sato M, Sugeno Y. Hemifacial hyperhidrosis associated with ipsilateral/contralateral cervical disc herniation myelopathy. functional considerations on how compression pattern determines the laterality. *Functional Neurology* 2014; 29 (1): 67-73.
- Iwase S, Kawahara Y, Nishimura N, Nishimura R, Miwa C, Kataoka Y, Kobayashi C, Suzuki T, Shigaraki M, Maeda Y, Takada H, Watanabe Y. A comparison of head-out mist bathing with or without facial fanning with head-out half-body low-water level bathing in humans-a pilot study. *International Journal of Biometeorology* 2014; 58 (5): 999-1005.
- Iwata S, Tachtsidis I, Takashima S, Matsuishi T, Robertson NJ, Iwata O. Dual role of cerebral blood flow in regional brain temperature control in the healthy newborn infant. *International Journal of Developmental Neuroscience* 2014; 37: 1-7.
- Jabalumeli M, Radmanesh A. Comparing the efficacy of prophylactic intravenous dexamethasone and pethidine on postoperative shivering in elective cesarean section under spinal anaesthesia. *Journal of Isfahan Medical School* 2014; 32 (285): 678-689.
- Jacquot CMC, Schellen L, Kingma BR, van Baak MA, Van Marken Lichtenbelt WD. Influence of thermophysiology on thermal behavior: The essentials of categorization. *Physiology and Behavior* 2014; 128: 180-187.

- Jadin MS, Taib S, Ghazali KH. Finding region of Interest in the Infrared image of electrical installation. *Infrared Physics & Technology* 2015; 71: 329-338
- Jafar MM, Reeves J, Ruthven MA, Dean CJ, MacDougall ND, Tucker AT, Miquel ME. Assessment of a carbon fibre MRI flatbed insert for radiotherapy treatment planning. *British Journal of Radiology* 2016; 89 (1062), art no 20160108
- Jafari A, Bahreini RS, Yazdani R. Empirical analytical and numerical approaches to failure analysis of a frictional power transmission composite roller. *Engineering Failure Analysis* 2015; 52: 61-74
- Jäger M, Gruber N, Müri R, Mosimann UP, Nef T. Manipulations to reduce simulator-related transient adverse health effects during simulated driving. *Medical and Biological Engineering and Computing* 2014; 52 (7): 601-610.
- Jalali A, Ayani M.-B, Baghban M. Simultaneous estimation of controllable parameters in a living tissue during thermal therapy. *Journal of Thermal Biology* 2014; 45: 37-42.
- Jalil B, Salvetti O, Poti, L, Hartwig V, Marinelli M, L'Abbate A. Near infrared image processing to quantitate and visualize oxygen saturation during vascular occlusion. *Computer Methods and Programs in Biomedicine* 2016; 126 35-45
- James CA, Richardson AJ, Watt PW, Maxwell NS. Reliability and validity of skin temperature measurement by telemetry thermistors and a thermal camera during exercise in the heat. *Journal of Thermal Biology* 2014; 45: 141-149.
- James ML, Andersen ND, Swaminathan M, Phillips-Bute B, Hanna JM, Smigla GR, Barfield ME, Bhattacharya SD, Williams JB, Gaca JG, Husain AM, Hughes GC. Predictors of electrocerebral inactivity with deep hypothermia. *Journal of Thoracic and Cardiovascular Surgery* 2014; 147 (3): 1002-1007.
- Jamrozik W. Modified random walker segmentation method of welding arc thermograms for welding process diagnostics. *International Journal of Materials & Product Technology* 2015; 51 (3): 281-295
- Janjic JM, Berlec A, Bagia C, Liu LS, Jeric I, Gach M, Janjic BM, Strukelj B. NIR and MR imaging supported hydrogel based delivery system for anti-TNF alpha probiotic therapy of IBD. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9723, art no 972309
- Jankovic Velickovic L, Stefanovic V. Hypoxia and spermatogenesis. *International Urology and Nephrology* 2014; 46 (5) 887-894.
- Janssens O, Schulz R, Slavkoviki, V, Stockman K, Loccufer M, Van de Walle R, Van Hoecke S. Thermal image based fault diagnosis for rotating machinery. *Infrared Physics & Technology* 2015; 73: 78-87
- Januszewski A, Stebbing J. Hyperthermia in cancer: Is it coming of age? *The Lancet Oncology* 2014; 15 (6) 565-566.
- Jaque D, Rosal BD, Rodríguez EM, Maestro LM, Haro-González P, Solé, JG. Fluorescent nanothermometers for intracellular thermal sensing. *Nanomedicine* 2014; 9 (7) 1047-1062.
- Jarosz A, Darocha T, Kosiński S, Ziętkiewicz M, Drwiła R. Extracorporeal membrane oxygenation in severe accidental hypothermia. *Intensive Care Medicine* 2014; 41 (1): 169-170.
- Jarraya S, Jarraya M, Chtourou H, Souissi N. Diurnal variations on cognitive performances in handball goalkeepers. *Biological Rhythm Research* 2014; 45 (1): 93-101.
- Jarraya S, Jarraya M, Chtourou H, Souissi N. Effect of time of day and partial sleep deprivation on the reaction time and the attentional capacities of the handball goalkeeper. *Biological Rhythm Research* 2014; 45 (2): 183-191.
- Jarraya S, Jarraya M, Souissi N. Diurnal variations of cognitive performances in Tunisian children. *Biological Rhythm Research* 2014; 45 (1): 61-67.
- Jaspers MEH, Carrière ME, Meij-de Vries A, Klaessens JHGM, van Zuijlen PPM. The FLIR ONE thermal imager for the assessment of burn wounds: Reliability and validity study. *Burns* 2017, 43 (7): 1516-1523.
- Javed M, Baghaei-Yazdi N, Qin W, Amartey S. An improved agar medium for growth of *Geobacillus thermoglucosidarius* strains. *Journal of Microbiological Methods* 2017, 132: 116-118.
- Jay O. Unravelling the true influences of fitness and sex on sweating during exercise *Experimental Physiology* 2014; 99 (10): 1265-1266.
- Jayadeep S, Achuth V, Chakravarthi R A survey conducted on different methods for the detection of arthritis. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 2017, 8(3) 1577-1583.
- Jayawardena S, Kellstein D. Antipyretic Efficacy and Safety of Ibuprofen Versus Acetaminophen Suspension in Febrile Children: Results of 2 Randomized Double-Blind Single-Dose Studies. *Clinical Pediatrics* 2017, 56 (12): 2017, 1120-1127.
- Jedrzejewska-Szczerska M, Wrobel MS, Galla S, Popov AP, Bykov AV, Tuchin VV, Cenian A. Investigation of photothermolysis therapy of human skin diseases using optical phantoms. In: Dreischuh T, Gateva S, Serafetinides A, Proceedings of SPIE 18th International School on Quantum Electronics (ISQE)
- Jedrzejewski T, Piotrowski J, Wrotek S, Kozak W. Polysaccharide peptide induces a tumor necrosis factor- α dependent drop of body temperature in rats. *Journal of Thermal Biology* 2014; 44 (1): 1-4. .

- Jefferies S, Braithwaite I, Walker S, Weatherall M, Jennings L, Luck M, Barrett K, Siebers R, Blackmore T, Beasley R, Perrin K. Randomized controlled trial of the effect of regular paracetamol on influenza infection. *Respirology* 2016; 21 (2) 370-377
- Jelschen F, Zundel J, Weyland A. Case report - Hemodynamic variables of a deep hypothermic patient over the period of external rewarming [Kasuistik - Hämodynamik während nicht invasiver Wiedererwärmung bei schwerer akzidenteller Hypothermie]. *Anesthesiologie Intensivmedizin Notfallmedizin Schmerztherapie* 2014; 49 (9): 514-519.
- Jeon MY, Jeong HC, Lee SW, Choi W, Park JH, Tak SJ, Choi DH, Yim J. Improving the quality of sleep with an optimal pillow: A randomized comparative study. *Tohoku Journal of Experimental Medicine* 2014; 233 (3): 183-188.
- Jeon SG, Choi EJ, Lee PB, Lee YJ, Kim MS, Seo JH, Nahm FS. Do severity score and skin temperature asymmetry correlate with the subjective pain score in the patients with complex regional pain syndrome? *Korean Journal of Pain* 2014; 27 (4): 339-344.
- Jeong IC, Yoon H, Kang H, Yeom H. Effects of skin surface temperature on photoplethysmograph. *Journal of Healthcare Engineering* 2014; 5 (4): 429-438.
- Jeong K-Y, Seong J. Neonatal capsaicin treatment in rats affects TRPV1-related noxious heat sensation and circadian body temperature rhythm. *Journal of the Neurological Sciences* 2014; 341 (1-2): 58-63.
- Jeong S-M, Yoo J-H, Fang Y, Choi B-H, Son J-S, Oh J-H. The effect of guided flapless implant procedure on heat generation from implant drilling. *Journal of Cranio-Maxillofacial Surgery* 2014; 42 (6) 725-729.
- Jerbi T, Wuyts N, Cane MA, Faux PF, Draye X. High resolution imaging of maize (*Zea mays*) leaf temperature in the field: the key role of the regions of Interest. *Functional Plant Biology* 2015; 42 (9): 858- 864
- Jerem P, Herborn K, McCafferty D, McKeegan, D., Nager, R. Thermal Imaging to Study Stress Non- invasively in Unrestrained Birds. *J.Vis. Exp.* 2015,105: e53184
- Jeyhani V, Vuorinen T, Mäntysalo M, Vehkaoja A. Comparison of simple algorithms for estimating respiration rate from electrical impedance pneumography signals in wearable devices. *Health and Technology* 2017, 7(1) 21-31.
- Jezouin S, Iftikhar Z, Anthore A, Parmentier FD, Gennser U, Cavanna A, Ouerghi A, Levkivskiy IP, Idrisov E, Sukhorukov EV, Glazman LI, Pierre F. Controlling charge quantization with quantum fluctuations.
- Jhun I, Fann N, Zanobetti A, Hubbell B. Effect modification of ozone-related mortality risks by temperature in 97 US cities. *Environment International* 2014; 73: 128-134.
- Ji R-C. Lymph nodes and cancer metastasis: New perspectives on the role of intranodal lymphatic sinuses. *International Journal of Molecular Sciences* 2017, 18(1) Article Number: 51.
- Jian B-L, Chen C-L, Chu W-L, Huang M-W. The facial expression of schizophrenic patients applied with infrared thermal facial image sequence. *BMC Psychiatry* 2017, 17 (1), art. no. 229.
- Jiang C, Cai H, Peng X, Zhang P, Wu X, Tian R. Targeted imaging of tumor-associated macrophages by cyanine 7-labeled mannose in xenograft tumors. *Molecular Imaging* 2017, 16. 1536012116689499
- Jiang L, Xu H-H, Jiang Z-H, Yang S-H, Shi Q-L, Ma Z-C, Gao Y, Chen Z-W. Quality of realgar and its influencing factors based on toxicity. *Zhongguo Zhongyao Zazhi* 2017, 42 (24): 4782-4787.
- Jiang LI, Liu HT, Chj JG, Qian LS, Pan F, Liu X. Design fabrication and testing of 17um pitch 640x480 uncooled infrared focal plane array detector. In: Gong H, Wu N, Ni Y, Chen W, Lu J, eds, *Proceedings of SPIE Annual Conference of the Chinese-Society-for-Optical-Engineering on Applied Optics and Photonics China (AOPC), MAY 05-07 2015, Beijing China, 2015*; pp. 96740W-96740W-6.
- Jiao L, Yang Z, Wang J. Interaction of 1.319 μm laser with skin: An optical-thermal-damage model and experimental validation. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 9230, art. no. 923012.
- Jiao LZ, Wu WB, Zheng WG, Dong DM. The infrared thermal image-based monitoring process of peach decay under uncontrolled temperature conditions. *Journal of Animal and Plant Sciences* 2015; 25 (3): 202- 207
- Jiao LZ, Zhao XD, Dong DM. Design for Temperature Measurement System Based on Smart Phone and Infrared Thermal Camera Core. In: Liu J, Wang Y, Xu H, eds, *Proceedings of International Conference on intelligent Systems Research and Mechatronics Engineering (ISRME) APR 11-13, 2015, Zhengzhou China, 2015*; 1336-1339
- Jin CS, Overchuk M, Cui L, Wilson BC, Bristow RG, Chen J, Zheng G. Nanoparticle-Enabled Selective Destruction of Prostate Tumor Using MRI-Guided Focal Photothermal Therapy. *Prostate* 2016; 76 (13) 1169-1181
- Jin SW, Choi YH, Lee DH. Utilization of rapid infusion system with cold saline in the induction of therapeutic hypothermia. *Journal of International Medical Research* 2014; 42 (3): 744-749.
- Jin X, Zhang M, Gou G, Ren J. Synthesis and Cell Imaging of a Near-Infrared Fluorescent Magnetic "cdHgTe-Dextran-Magnetic Layered Double Hydroxide-Fluorouracil" Composite. *Journal of Pharmaceutical Sciences* 2016; 105 (5) 1751-1761
- Jo J, Kim H, Jerng UM. Improvements in Scrotal Thermoregulation in Patients with Varicoceles Treated by Using Traditional Korean Medicine: Two Case Reports. *JAMS Journal of Acupuncture and Meridian Studies* 2016; 9 (3)

- Jo J, Kim H, Kang M, Lee J. The relationship between body mass index and scrotal temperature. *Human Reproduction* 2015; 30: 131-132
- Jodkowska E, Dudek K, Soroko M. Temperature range analysis (T-max) on dorsal surface of sporting horses. *Turkish Journal of Veterinary & Animal Sciences* 2015; 39 (2): 229-232
- Johansen A, McFadden LM. The neurochemical consequences of methamphetamine self-administration in male and female rats. *Drug and Alcohol Dependence* 2017, 178: 70-74.
- Johansen FF, Hasseldam H, Smith MN, Rasmussen RS. Drug-induced hypothermia by 5HT1A agonists provide neuroprotection in experimental stroke: New perspectives for acute patient treatment. *Journal of Stroke and Cerebrovascular Diseases* 2014; 23 (10) 2879-2887.
- John H, Klaessens JH, van der Veen AJ, Verdaasdonk RM. Non-contact thermal and multispectral imaging, a clinical diagnostic tool for monitoring tissue perfusion and oxygenation, applied in clinical trials (abstract). *Thermology international* 2015, 25(1) 30
- John HE, Niumsawatt V, Rozen WM, Whitaker IS. Clinical applications of dynamic infrared thermography in plastic surgery: A systematic review. *Gland Surgery* 2016; 5 (2) 122-132
- Johnson AP, Wallman JF. Infrared imaging as a non-invasive tool for documenting maggot mass temperatures. *Australian Journal of Forensic Sciences* 2014; 46 (1) 73-79.
- Johnson JM, Minson CT, Kellogg JR, DL. Cutaneous vasodilator and vasoconstrictor mechanisms in temperature regulation. *Comprehensive Physiology* 2014; 4 (1) 33-89.
- Johnson NR, Lynch JP, Jeffers AE. Heat transfer computed tomography techniques for damage detection in metallic structures. In: Lynch JP, Wang KW, Sohn H, eds, *Proceedings of SPIE Conference on Sensors and Smart Structures Technologies for Civil Mechanical and Aerospace Systems MAR 09-12 2015, San Diego CA, 2015*; pp. 943529-943529-14.
- Johnson RS, Croager EJ, Kameron CB, Pratt IS, Vreugdenburg TD, Slevin T. Public health advocacy in action: The case of unproven breast cancer screening in Australia. *Public Health Research and Practice* 2016; 26 (4), art no e2641648
- Johnson S, Popil R. Corrugated board bonding defect visualization and characterization. *International Journal of Adhesion and Adhesives* 2015; 59: 105-114
- Jolesz F. Comment. *Neuromodulation* 2014; 17 (3) P 241.
- Jolesz FA, McDannold NJ. Magnetic resonance-guided focused ultrasound. A new technology for clinical neurosciences. *Neurologic Clinics* 2014; 32 (1): 253-269.
- Jones H, Eijsvogels TMH, Nyakayiru J, Verheggen RJHM, Thompson A, Groothuis JT, Atkinson G, Hopman MTE, Thijssen DHJ. Within-subject correlations between evening-related changes in body temperature and melatonin in the spinal cord injured. *Chronobiology International* 2014; 31 (2) 157-165.
- Jonkers ART, Sharkey KJ. The differential warming response of Britain's rivers (1982-2011). *PLoS ONE* 2016; 11 (11), art no 0166247
- Jonsson K, Kjellgren A. Curing the sick and creating supermen - How relaxation in flotation tanks is advertised on the Internet. *European Journal of Integrative Medicine* 2014; 6 (5) 601-609.
- Jordan J, Miro-Martinez P, Vargas B, Varela-Entrecanales M, Cuesta-Frau D. Statistical models for fever forecasting based on advanced body temperature monitoring. *Journal of Critical Care* 2017, 37: 136-140.
- Joseph B, Khalil M, Pandit V, Kulvatunyong N, Zangbar B, Tang A, O'Keeffe T, Snyder K, Green DJ, Gries L, Friese RS, Rhee P. Hypothermia in organ donation: A friend or foe? *Journal of Trauma and Acute Care Surgery* 2014; 77 (4) 559-563.
- Joseph RA, Derstine S, Killian M. Ideal Site for Skin Temperature Probe Placement on Infants in the NICU: A Review of Literature. *Advances in Neonatal Care* 2017, 17 (2): 114-122.
- Joslin J, Fisher A, Wojcik S, Cooney DR. A prospective evaluation of the contribution of ambient temperatures and transport times on infrared thermometry readings of intravenous fluids utilized in EMS patients. *International Journal of Emergency Medicine* 2014; 7 (1) 4 P
- Journal of Biometeorology* 2014; 58 (5): 963-974.
- Journal of Dairy Science* 2015; 98(9): 6058-6069
- Journal of Nanotechnology in Engineering and Medicine* 2014; 5 (3) Art. No. 031001.
- Journal of Physical Therapy Science* 2015; 27(1): 205-208
- Joustra SD, Thijs RD, Van Den Berg R, Van Dijk M, Pereira AM, Lammers GJ, Van Someren EJW, Romijn JA, Biermasz NR. Alterations in diurnal rhythmicity in patients treated for nonfunctioning pituitary macroadenoma: A controlled study and literature review. *European Journal of Endocrinology* 2014; 171 (2) 217-228.
- Jovanović, D, Karkalić, R, Zeba S, Pavlović, M, Radaković, SS. Physiological tolerance to uncompensated heat stress in soldiers: Effects of various types of body cooling systems [Uticaj sistema za hladjenje tela na

- toleranciju nekompenzovanog toplotnog stresa kod vojnika u uslovima nošenja nepropusne zaštitne
- Jowett N, Wöllmer W, Reimer R, Zustin J, Schumacher U, Wiseman PW, Mlynarek AM, Böttcher A, Dalchow CV, Lörincz BB, Knecht R, Miller RJD. Bone ablation without thermal or acoustic mechanical injury via a novel picosecond infrared laser (PIRL). *Otolaryngology - Head and Neck Surgery* 2014; 150 (3) 385-393.
- Ju J, Saul N, Kochan C, Putschew A, Pu Y, Yin L, Steinberg CEW. Caenorhabditis elegans Neurotoxicity screening test. *International Journal of Environmental Research and Public Health* 2014; 11 (5) 4589-4606.
- Juan JS, Hu X-S, Issa M, Bisconti S, Kovelman I, Kileny P, Basura G. Tinnitus alters resting state functional connectivity (RSFC) in human auditory and non-auditory brain regions as measured by functional near-infrared spectroscopy (fNIRS). *PLoS ONE* 2017, 12(6) Article Number: e0179150.
- Juang T, Stauffer PR, Craciunescu OA, Maccarini PF, Yuan Y, Das SK, Dewhirst MW, Inman BA, Vujaskovic Z. Thermal dosimetry characteristics of deep regional heating of non-muscle invasive bladder cancer. *International Journal of Hyperthermia* 2014; 2014; 30 (3) 176-183.
- Jubeau M, Ru T, Perrey S, Temesi J, Wuyam B, Levy P, Verges S, Millet GY. Changes in voluntary activation assessed by transcranial magnetic stimulation during prolonged cycling exercise. *PLoS ONE* 2014; 9 (2) Art. No. e89157.
- Juliff LE, Halson SL, Bonetti DL, Versey NG, Driller MW, Peiffer JJ. Influence of contrast shower and water immersion on recovery in elite netballers. *Journal of Strength and Conditioning Research* 2014; 28 (8) 2353-2358.
- Jun I, Ahmad T, Bak S, Lee J-Y, Kim E., Lee J, Lee YB, Jeong H, Jeon H, Shin H. Spatially Assembled Bilayer Cell Sheets of Stem Cells and Endothelial Cells Using Thermosensitive Hydrogels for Therapeutic Angiogenesis. *Advanced Healthcare Materials* 2017, 6(9) Article Number: 1601340.
- Junaid E, Walker A, Kausman J, Quinlan C. A rare cause of pyrexia in a transplant patient: Questions. *Pediatric Nephrology* 2017, 32 (3): 443-444.
- Jung A, Mróz J, Žuber J, Kalicki B. Application of thermography in the diagnosis and treatment monitoring of the Complex Regional Pain Syndrome type I (CRPS I) (extended abstract). *Thermology international* 2015, 25(1) 26
- Jung A. Twenty years activity of The Centre for Clinical Thermology of The Military Institute of Medicine in Warsaw, Poland (extended abstract). *Thermology international* 2015, 25(3) 109-110.
- Jung KT, Kim SH, Lee HY, Jung JD, Yu BS, Lim KJ, So KY, Lee JY, An TH. Effect on thermoregulatory responses in patients undergoing a tympanoplasty in accordance to the anesthetic techniques during peep: A comparison between inhalation anesthesia with desflurane and TIVA. *Korean Journal of Anesthesiology* 2014; 67 (1) 32-37.
- Jung SH, Kim KY, W oo DK, Lee SS, Jung JH. Tb3+-triggered luminescence in a supramolecular gel and its use as a fluorescent chemoprobe for proteins containing alanine. *Chemical Communications* 2014; 50 (86) 13107-13110.
- Jung YH, Lee BK, Lee DH, Lee SM, Cho YS, Jeung KW The association of body mass index with outcomes and targeted temperature management practice in cardiac arrest survivors. *American Journal of Emergency Medicine* 2017, 35(2) 268-273.
- Jussila K, Rissanen S, Parkkola K, Anttonen Hannu. Evaluating cold wind and moisture protection of different coverings for prehospital maritime transportation-a thermal manikin and human study. *Prehospital and disaster medicine* 2014; 29 (6): 580-588.
- Just M, Chalopin C, Unger M, Halama D, Neumuth T, Dietz A, Fischer M. Monitoring of microvascular free flaps following oropharyngeal reconstruction using infrared thermography: first clinical experiences.
- K. Thermographic study on the preservability of heat effects of footbath with salt. *Hiroshima Journal of Medical Sciences* 2014; 63 (1-3): 1-5.
- Kaden T, Lammers K, Moller HJ. Power loss prognosis from thermographic images of PID affected silicon solar modules. *Solar Energy Materials and Solar Cells* 2015; 142: 24-28
- Kaercher T, Dietz J, Jacobj C, Berz R, Schneider H. Diagnosis of X-Linked Hypohidrotic Ectodermal Dysplasia by Meibography and Infrared Thermography of the Eye. *Current Eye Research* 2015; 40 (9): 884-890
- Käfer H, Kovac H, Oswald B, Stabentheiner A. Respiration and metabolism of the resting European paper wasp (*Polistes dominulus*). *Journal of Comparative Physiology B-Biochemical Systemic and, Environmental Physiology* 2015; 185 (6): 647-658
- Kahn A-L, Kristensen D, Rao R. Extending supply chains and improving immunization coverage and equity through controlled temperature chain use of vaccines. *Vaccine* 2017, 35 (17): 2214-2216.
- Kahyaoğlu F, Gökçimen A. Light microscopic determination of tissue. *Eastern Journal of Medicine* 2017, 22 (3): 120-124.
- Kajiwara N, Masaki C, Mukaibo T, Kondo Y, Nakamoto T, Hosokawa R. Soft Tissue Biological Response to Zirconia and Metal Implant Abutments Compared with Natural Tooth: Microcirculation Monitoring as a Novel Bioindicator. *Implant Dentistry* 2015; 24 (1): 37-41
- Kakami A, Tachibana T Heat balance evaluation of double-base solid propellant combustion using thermography

and laser heating on a burning surface. *Aerospace Science and Technology* 2015; 47: 86- 91

Takeya H, Seki M, Izumikawa K, Kosai K, Morinaga Y, Kurihara S, Nakamura S, Imamura Y, Miyazaki T, Tsukamoto M, Yanagihara K, Tashiro T, Kohno S. Efficacy of combination therapy with oseltamivir phosphate and azithromycin for influenza: A multicenter open-label randomized study. *PLoS ONE* 2014; 9 (3), art. no. e91293.

Kakinuma Y, Noguchi T, Okazaki K, Oikawa S, Iketani M, Kurabayashi M, Furihata M, Sato T. Antimusele atrophy effect of nicotine targets muscle satellite cells partly through an $\alpha 7$ nicotinic receptor in a murine hindlimb ischemia model. *Translational Research* 2014; 164 (1) 32-45.

Kakitsuba N, White MD. Effect of change in ambient temperature on core temperature during the daytime. *International Journal of Biometeorology* 2014; 58 (5): 901-907.

Kalevar A, Patel KH, Fu AD. Acute macular neuroretinopathy without near-infrared reflectance: An atypical case presentation. *Retinal Cases and Brief Reports* 2017, 11: S14-S17.

Kalil A.C, Branecki CE. Therapeutic hypothermia is cool but be aware of the infection heat *Critical Care Medicine* 2014; 42 (2): 445-446.

Kalimuthu S, Jeong JH, Oh JM, Ahn B-C Drug Discovery by molecular imaging and monitoring therapy response in lymphoma. *International Journal of Molecular Sciences* 2017, 18:8 Article Number: 1639.

Kalliainen LK, O'Brien VH. Current uses of botulinum toxin A as an adjunct to hand therapy interventions of hand conditions. *Journal of Hand Therapy* 2014; 27 (2) 85-95.

Kalra M, Bahrami M, Sparrey CJ. The effects of physiological thermoregulation on the efficacy of surface cooling for therapeutic hypothermia. *Medical and Biological Engineering and Computing* 2014; 53 (3): 205- 213.

Kalsi KK, Chiesa ST, Trangmar SJ, Ali L, Lotlikar MD, González-Alonso J Mechanisms for the control of local tissue blood flow during thermal interventions: influence of temperature-dependent ATP release from human blood and endothelial cells. *Experimental Physiology* 2017, 102(2) 228-244.

Kamalski DMA, Verdaasdonk RM, De Boorder T, Vincent R, Trabelzini F, Grolman W. Comparison of KTP Thulium and CO2 laser in stapedotomy using specialized visualization techniques: Thermal effects.

Kamata Y, Minota S. Effects of phosphodiesterase type 5 inhibitors on Raynaud's phenomenon. *Rheumatology International* 2014; 34 (11): 1623-1626.

Kambiz S, van Neck JW, Cosgun SG, van Velzen MHN, Janssen JAMJL, Avazverdij N, Hovius SER, Walbeehm ET. An Early Diagnostic Tool for Diabetic Peripheral Neuropathy in Rats. *PLOS One*, 2015; 10 (5) e0126892

Kaminska E, Tarnacka M, Kolodziejczyk K, Dulski M, Zakowiecki D, Hawelek L, Adrjanowicz K, Zych M, Garbacz G, Kaminski K. Impact of low molecular weight excipient octaacetylmaltose on the liquid crystalline ordering and molecular dynamics in the supercooled liquid and glassy state of itraconazole. *European Journal of Pharmaceutics and Biopharmaceutics* 2014; 88 (3): 1094-1104.

Kaminska M, Kuberski S, Maniukiewicz W, Owczarzewski P, Komorowski P, Modrzejewska Z, Walkowiak B. Thermosensitive chitosan gels containing calcium glycerophosphate for bone cell culture. *Journal of Bioactive and Compatible Polymers* 2017, 32(2) 209-222.

Kamkaew A, Li F, Li Z, Burgess K. An agent for optical imaging of TrkC-expressing, breast cancer. *MedChemComm* 2017, 8(10) 1946-1952.

Kanagasingam Y, Bhuiyan A, Abramoff MD, Smith RT, Goldschmidt L, Wong T.Y. Progress on retinal image analysis for age related macular degeneration. *Progress in Retinal and Eye Research* 2014; 38: 20- 42.

Kanaji Y, Murai T, Yonetsu T, Usui E, Araki M, Matsuda J, Hoshino M, Yamaguchi M, Niida T, Hada M, Ichijyo S, Hamaya R, Kanno Y, Isobe M, Kakuta T. Effect of Elective Percutaneous Coronary Intervention on Hyperemic Absolute Coronary Blood Flow Volume and Microvascular Resistance. *Circulation: Cardiovascular Interventions* 2017; 10 (10), art. no. e005073.

Kanazawa T, Kitamura A, Nakagami G, Goto T, Miyagaki T, Hayashi A, Sasaki S, Mugita Y, Iizaka S, Sanada H. Lower temperature at the wound edge detected by thermography predicts undermining development in pressure ulcers: a pilot study. *International Wound Journal* 2016; 13 (4) 454-460

Kanegaye JT, Jones JM, Burns JC, Jain S, Sun X, Jimenez-Fernandez S, Berry E, Pancheri JM, Jaggi P, Ramilo O, Tremoulet AH. Axillary oral and rectal routes of temperature measurement during treatment of acute kawasaki disease. *Pediatric Infectious Disease Journal* 2016; 35 (1) 50-53

Kanwar JR, Kamalapuram SK, Krishnakumar S, Kanwar RK. Multimodal iron oxide (Fe₃O₄)-saturated lactoferrin nanocapsules as nanotheranostics for real-time imaging and breast cancer therapy of claudin- low triple-negative (ER-/PR-/HER2-). *Nanomedicine* 2016; 11 (3) 249-268

Kao HSR, Zhu L, Chao AA, Chen HY, Liu ICY, Zhang M. Calligraphy and meditation for stress reduction: An experimental comparison. *Psychology Research and Behavior Management* 7, 47- 52.

Kapur S, Barbhuiya C, Deneke T, Michaud GF. Esophageal injury and atri-esophageal fistula caused by ablation for atrial fibrillation. *Circulation* 2017; 136 (13): 1247-1255.

Karaböce B, Durmuş, HO. Investigation of thermal effect in vitro liver and lung induced by a HIFU transducer [Karaciğer ve Akciğer de HIFU Dönüştürücüsü Tarafından Oluşturulan Termal Etkisinin In vitro Ortamda

- Incelemesij. (2015) 2015 Medical Technologies National Conference TIPTEKNO 2015, art no 7374550
- Karaki W, Akyildiz A, Borca Tasciuc D-A, De S. Measurement of temperature dependent apparent specific heat capacity in electrosurgery. *Studies in Health Technology and Informatics* 2016; 220 171-174
- Karakitsios I, Bobeica M, Saliev T, Rube M, Melzer A. Thermometry during MR-guided focused ultrasound in a preclinical model based on thiel embalmed tissue. *Minimally Invasive Therapy and Allied Technologies* 2014; 23 (2): 120-126.
- Karakitsios I, Mihcin S, Saliev T, Melzer A. Feasibility study of pre-clinical Thiel embalmed human cadaver for MR-guided focused ultrasound of the spine. *Minimally Invasive Therapy and Allied Technologies* 2016; 25 (3) 154-161
- Karam JA, Zmistowski B, Restrepo C, Hozack WJ, Parvizi J. Fewer postoperative fevers: An unexpected benefit of multimodal pain management? *Clinical Orthopaedics and Related Research* 2014; 472 (5): 1489- 1495.
- Karesoja M, Karjalainen E, Hietala S, Tenhu H. Phase separation of aqueous poly(2- dimethylaminoethyl methacrylate-block-N-vinylcaprolactams). *Journal of Physical Chemistry B* 2014; 118 (36): 10776-10784.
- Karthik Bommanan BK, Naseem S, Varma N. Hemophagocytic lymphohistiocytosis secondary to histoplasmosis. *Blood Research* 2017; 52 (2): 83-83.
- Kartoglu U, Milstien J. Tools and approaches to ensure quality of vaccines throughout the cold chain. *Expert Review of Vaccines* 2014; 13 (7) 843-854.
- Karwat P, Kujawska T, Lewin PA, Secomski W, Gambin B, Litniewski J. Determining temperature distribution in tissue in the focal plane of the high (>100 W/cm²) intensity focused ultrasound beam using phase shift of ultrasound echoes. *Ultrasonics* 2016; 65 211-219
- Kasatkin AA, Reshetnikov AP. Assessment method of irritating effects intravenous catheter using infrared thermography. (extended abstract) *Thermology international* 2014; 24(2) 64-65.
- Kashiwagi S, Brauns T, Gelfand J, Poznansky MC. Laser vaccine adjuvants: History progress and potential. *Human Vaccines and Immunotherapeutics* 2014; 10 (7) 1892-1907.
- Kashuba CM, Benson JD, Critser JK. Rationally optimized cryopreservation of multiple mouse embryonic stem cell lines: II-Mathematical prediction and experimental validation of optimal cryopreservation protocols *Cryobiology* 2014; 68 (2): 176-184.
- Kasius KM, Riphagen JH, Verhagen W IM, Meulstee J. An easily applicable alternative method for warming cold limbs in nerve conduction studies. *Neurophysiologie Clinique* 2014; 44 (2): 219-226.
- Kasprzyk T, Balamut K, Stanek A, Sieron-Stoltny K, Kaszuba M, Kopczynska E, Cholewka A, Morawiec T. The application of thermal imaging in dentistry - a pilot study (abstract). *Thermology international* 2017; 27 (2) 74-75
- Kasprzyk T, Wojcik M, Sieron-Stoltny K, Stanek A, Cholewka A. Quantitative thermal evaluation of the influence of thermo-active baselayer tops on heat transfer between body and environment in sportsmen-pilot study (abstract). *Thermology international* 2017; 27 (2) 75
- Kastler A, Alnassan H, Aubry S, Kastler B. Microwave thermal ablation of spinal metastatic bone tumors. *Journal of Vascular and Interventional Radiology* 2014; 25 (9) 1470-1475.
- Kastler A, Krainik A, Sakhri L, Mousseau M, Kastler B. Feasibility of Real-Time Intraoperative Temperature Control during Bone Metastasis Thermal Microwave Ablation: A Bicentric Retrospective Study. *Journal of Vascular and Interventional Radiology* 2017; 28 (3): 366-371.
- Katunin A, Dragan K, Dziendzikowski M. Damage identification in aircraft composite structures: A case study using various non-destructive testing techniques. *Composite Structures* 2015; 127: 1-9
- Kaufmann F, Krabatsch T. Using medical imaging for the detection of adverse events ("incidents") during the utilization of left ventricular assist devices in adult patients with advanced heart failure. *Expert Review of Medical Devices* 2016; 13 (5) 463-474
- Kauppinen T, Panouillot PE, Siikanen S, Athanasakou E, Baltas P, Nikopoulos B. About Infrared scanning of photovoltaic solar plant. In: Hsieh SI, Zalameda JN, eds, eds, *Proceedings of SPIE Conference on Thermosense - Thermal Infrared Applications XXXVII*, APR 20-23, 2015, Baltimore MD, 2015; pp. 948517-948517-14.
- Kaur G, Banoth P, Yerram P, Misra M. A case of hypothermia on CRRT. *Hemodialysis International* 2017; 21: S57-S61.
- Kaviya C, Sundaram M, Pandiselvi T. Study of color image enhancement for analysis of breast thermograms. 2016 International Conference on Computing Technologies and Intelligent Data Engineering ICCTIDE 2016, art no 7725346
- Kavyasree B, Puviarasi R. Design of arduino based data logger system. *Indian Journal of Public Health Research and Development* 2017, 8 (4): 1214-1217.
- Kawakita N, Takizawa H, Kondo K, Sakiyama S, Tangoku A. Indocyanine green fluorescence navigation thoracoscopic metastasectomy for pulmonary metastasis of hepatocellular carcinoma. *Annals of Thoracic and Cardiovascular Surgery* 2016; 22 (6) 367-369
- Kawali A, Pichi F, Avadhani K, Invernizzi A, Hashimoto Y, Mahendradas P. Multimodal Imaging of the Normal Eye. *Ocular Immunology and Inflammation* 2017, 25 (5): 721-731.

Kawano H, Matsumoto Y, Satoh O, Arakawa S, Hayano M, Suyama H, Maemura K. Successful treatment of a ruptured spontaneous dissecting coronary artery pseudoaneurysm with a covered stent in a patient with cardiac Tamponade. *Internal Medicine* 2014; 53 (10): 1067-1070.

Kawasaki T, Otori G, Chiba T, Tsukiyama K, Nakamura K. Picosecond pulsed infrared laser tuned to amide I band dissociates polyglutamine fibrils in cells. *Lasers in Medical Science* 2016; 31 (7) 1425-1431

Kawashima C, Matsuzawa Y, Akiyama E, Konishi M, Suzuki H, Hashiba K, Ebina T, Kosuge M, Hibi K, Tsukahara K, Iwahashi N, Maejima N, Sakamaki K, Umemura S, Kimura K, Tamura K. Prolonged fever after ST-segment elevation myocardial infarction and long-term cardiac outcomes. *Journal of the American Heart Association* 2017, 6 (7), art. no. e005463.

Kaya Ö, Gülsoy M. A non-contact temperature measurement system for controlling photothermal medical laser treatments. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9706, art no 97060K

Kaźmierski P, Kacperska MJ, Figlus M, Tomasik B. The formation of atherosclerotic plaque its destabilisation and diagnostics. *Aktualnosci Neurologiczne* 2014; 14 (1): 43-53.

Keating J, Tchou J, Okusanya O, Fisher C, Batiste R, Jiang J, Kennedy G, Nie S, Singhal S. Identification of breast cancer margins using intraoperative near-infrared imaging. *Journal of Surgical Oncology* 2016; 113 (5) 508-514

Keating JJ, Runge JJ, Singhal S, Nims S, Venegas O, Durham AC, Swain G, Nie S, Low PS, Holt DE. Intraoperative near-infrared fluorescence imaging targeting folate receptors identifies lung cancer in a large-animal model. *Cancer* 2017, 123 (6): 1051-1060.

Keen OS, Ferrer I, Michael Thurman E, Linden KG. Degradation pathways of lamotrigine under advanced treatment by direct UV photolysis hydroxyl radicals and ozone. *Chemosphere* 2014; 117 (1): 316-323.

Keenan E, Gethin G, Flynn L, Watterson D, O'Connor GM. Enhanced thermal imaging of wound tissue for better clinical decision making. *Physiological Measurement* 2017. 38 (6): 1104-1115.

Kelechi O, Benedict E, Nwolisa E, Ifeyinwa A, Seline O. Acceptance of temporal artery thermometry by Nigerian mothers: A comparison with the traditional methods. *Pan African Medical Journal* 2014; 19, art. no. 263.

Kellett J. How much of NEWS could be measured by a machine and would it work? *Resuscitation* 2014; 85 (9): e147.

Kemp J, Després O, Pebayle T, Dufour A. Age-related decline in thermal adaptation capacities: An evoked potentials study. *Psychophysiology* 2014; 51 (6): 539-545.

Kendrick SK, Zheng Q, Garbett NC, Brock GN. Application and interpretation of functional data analysis techniques to differential scanning calorimetry data from lupus patients. *PLoS ONE* 2017, 12:11 Article Number: e0186232.

Kenefick RW, Sollanek KJ, Charkoudian N, Sawka MN. Impact of skin temperature and hydration on plasma volume responses during exercise. *Journal of Applied Physiology* 2014; 117 (4): 413- 420.

Kennedy GT, Newton A, Predina J, Singhal S. Intraoperative near-infrared imaging of mesothelioma. *Translational Lung Cancer Research* 2017, 6 (3): 279-284.

Kenney MJ. Medullary regulation of visceral sympathetic nerve discharge at peak hyperthermia in aged F344 rats. *Autonomic Neuroscience: Basic and Clinical* 2014; 186 (C): 32-37.

Kenny GP, McGinn R. Pushing the limits of blood pressure control under severe heat stress. Focus on “active and passive heat stress similarly compromise tolerance to a simulated hemorrhagic challenge”. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 307 (7): R817- R818.

Kenny GP. Muscle temperature and sweating during exercise: A new link? *Acta Physiologica* 2014; 212 (1): 11-13.

Keo SA, Brachelet F, Breaban F, Defer D. Defect detection in CFRP by Infrared thermography with CO2 Laser excitation compared to conventional lock-in Infrared thermography. *Composites Part B-Engineering* 2015; 69: 1-5

Keramidas ME, Kölegård R, Eiken O, Mekjavic IB. Prolonged physical inactivity leads to a drop in toe skin temperature during local cold stress. *Applied Physiology Nutrition and Metabolism* 2014; 39 (3): 369-374.

Keramidas ME, Kolegard R, Mckjavic IB, Eiken O. Hand temperature responses to local cooling after a 10- day confinement to normobaric hypoxia with and without exercise. *Scandinavian Journal of Medicine & Science in Sports* 2015; 25 (5): 650-660

Keramidas ME, Kölegård R, Mekjavic IB, Eiken O. Acute effects of normobaric hypoxia on hand- temperature responses during and after local cold stress. *High Altitude Medicine and Biology* 2014; 15 (2): 183-191.

Keramidas ME, Kölegård R, Mekjavic IB, Eiken O. Hand temperature responses to local cooling after a 10- day confinement to normobaric hypoxia with and without exercise. *Scandinavian Journal of Medicine and Science in Sports*. Article in Press.

Kermani S, Samadzadehaghdam N, EtehadTavakol M. Automatic color segmentation of breast Infrared images using a Gaussian mixture model. *Optik* 2015; 126(2)1: 3288-3294

Keserci B, Duc NM. Volumetric magnetic resonance-guided high-intensity focused ultrasound ablation of uterine fibroids through abdominal scars: The impact of a scar patch on therapeutic efficacy and adverse effects. *Journal of Therapeutic Ultrasound* 2017, 5(1) Article Number: 22.

Kessler A, Menéndez-Aguirre O, Hinrichs J, Stubenrauch C, Weiss J. α -Casein-PE6400 mixtures: Surface properties miscibility and self-assembly. *Colloids and Surfaces B: Biointerfaces* 2014; 118, 49-56.

Key DJ. Comprehensive thermoregulation for the purpose of skin tightening using a novel radiofrequency treatment device: A preliminary report. *Journal of Drugs in Dermatology* 2014; 13 (2) 185-189.

Key DJ. Integration of thermal imaging with subsurface radiofrequency thermistor heating for the purpose of skin tightening and contour improvement: A retrospective review of clinical efficacy. *Journal of Drugs in Dermatology* 2014; 13 (12) 1485-1489.

Key DJ. Preliminary demonstration using localized skin temperature elevation as observed with thermal imaging as an indicator of fat-specific absorption during focused-field radiofrequency therapy. *Journal of Drugs in Dermatology* 2014; 13 (7): 864-866.

Khaji Z, Stureson P, Klintberg L, Hjort K, Thornell G. Manufacturing and characterization of a ceramic microcombustor with integrated oxygen storage and release element. *Journal of Micromechanics and Microengineering* 2015; 25 (10) 104006

Khan F, Bartoli I. Detection of Delamination in Concrete Slabs using Infrared Thermography and Impact Echo Techniques: A Comparative Experimental Study. In: Shull PJ, ed, *Proceedings of SPIE Conference on Structural Health Monitoring and Inspection of Advanced Materials Aerospace and Civil Infrastructure*, MAR 09-12 2015, San Diego CA, 2015; pp, 94370I-94370I-11.

Khan F, Bolhassani M, Kotsos A, Hamid A, Bartoli I. Modeling and experimental implementation of Infrared thermography on concrete masonry structures. *Infrared Physics & Technology* 2015; 69: 228-237

Khan F, Rajaram S, Vanniamparambil PA, Bolhassani M, Hamid A, Kotsos A, Bartoli I. Multi-sensing NDT for damage assessment of concrete masonry walls. *Structural Control & Health Monitoring* 2015; 22 (3): 449-462

Khan F, Vaillancourt C. Cardiopulmonary resuscitation. *CMAJ* 2017, 189(1) E25.

Khan HAA, Akram W. The effect of temperature on the toxicity of insecticides against musca domestical.:

Khan U, Falconi C. An accurate and computationally efficient model for membrane-type circular- symmetric micro-hotplates. *Sensors (Basel Switzerland)* 2014; 14 (4): 7374-7393.

Khan WH, Mohsenin V, D'Ambrosio CM. Sleep in asthma. *Clinics in Chest Medicine* 2014; 35 (3): 483-493.

Khandaker M, Vaughan MB, Morris TL, White JJ, Meng Z. Effect of additive particles on mechanical thermal and cell functioning properties of poly(methyl methacrylate) cement. *International Journal of Nanomedicine* 2014; 9 (1): 2699-2712.

Khanevski AN, Naess H, Thomassen L, Waje-Andreassen U, Nacu A, Kvistad CE. Elevated body temperature in ischemic stroke associated with neurological improvement. *Acta Neurologica Scandinavica* 2017, 136 (5): 414-418.

Khemani E. Real-time physiologic monitoring and physician feedback: Are we ready? [Le monitoring physiologique en temps réel et les rétroactions au médecin: sommes-nous prêts?]. *Canadian Journal of Anesthesia* 2017, 64 (3): 239-241.

Khoshakhlagh A, Gunapala SD. Infrared imaging: A potential powerful tool for neuroimaging and neurodiagnostics. *Neurophotonics* 2017, 4 (1), art. no. 011014.

Khoshnevis S, Craik NK, Diller KR. Cold-induced vasoconstriction may persist long after cooling ends: an evaluation of multiple cryotherapy units. *Knee Surgery Sports Traumatology Arthroscopy* 2014; 23 (9): 2475-2483.

Khoshnevis S, Nordhauser JE, Craik NK, Diller KR. Quantitative evaluation of the thermal heterogeneity on the surface of cryotherapy cooling pads. *Journal of Biomechanical Engineering* 2014; 136 (7), art. no.074503.

Khushboo M, Naik K, Vasanthi Menezes A, Naha A, Koteswara KB, Girish Pai K. Formulation and evaluation of irbesartan nanosuspension for dissolution enhancement. *Research Journal of Pharmacy and Technology* 2017, 10 (9): 3043-3048.

Kiefel D, Stoessel R, Grosse C. Quantitative Impact Characterization of Aeronautical CFRP Materials with Non-Destructive Testing Methods. In: Chimenti DE, Bond LI, eds, *AIP Conference Proceedings 41st Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE) JUL 20-25, 2014*, Boise ID, 2015; 1650: 591-598

Kiessling A-H, Guo FW, Gökdemir Y, Thudt M, Reyher C, Scherer M, Beiras-Fernandez A, Moritz A. The influence of selective pulmonary perfusion on the inflammatory response and clinical outcome of patients with chronic obstructive pulmonary disease undergoing cardiopulmonary bypass. *Interactive Cardiovascular and Thoracic Surgery* 2014; 18 (6): 732-739.

Kiguchi M, Funane T. Algorithm for removing scalp signals from functional near-infrared spectroscopy signals in real time using multidistance optodes. *Journal of Biomedical Optics* 2014; 19 (11), art. no. 110505.

Kilic G. Using advanced NDT for historic buildings: Towards an integrated multidisciplinary health assessment strategy. *Journal of Cultural Heritage* 2015; 16 (4): 526-535

Kilmer SL. Prototype CoolCup cryolipolysis applicator with over 40% reduced treatment time demonstrates equivalent safety and efficacy with greater patient preference. *Lasers in Surgery and Medicine* 2017, 49 (1): 63-68.

Kim D-W, Chung S-K, Na Y. Numerical study on the air conditioning characteristics of the human nasal cavity. *Computers in Biology and Medicine* 2017, 86: 18-30.

Kim F, Maynard C, Nichol G. Prehospital therapeutic hypothermia in patients with out-of-hospital cardiac arrest – Reply. *JAMA - Journal of the American Medical Association* 2014; 311 (21): 2233- 2234.

Kim F, Nichol G, Maynard C, Hallstrom A, Kudenchuk PJ, Rea T, Copass MK, Carlborn D, Deem S, Longstreth JR, WT, Olsufka M, Cobb LA. Effect of prehospital induction of mild hypothermia on survival and neurological status among adults with cardiac arrest a randomized clinical trial. *JAMA - Journal of the American Medical Association* 2014; 311 (1): 45-52.

Kim G, Kim MH, Lee SM, Choi SJ, Shin YH, Jeong HJ. Effect of pre-warmed intravenous fluids on perioperative hypothermia and shivering after ambulatory surgery under monitored anesthesia care. *Journal of Anesthesia* 2014; 28 (6): 880-885.

Kim HY, Lee KC, Lee MJ, Kim M-N, Kim J-S, Lee WS, Lee JH. Comparison of the efficacy of a forced-air warming system and circulating-water mattress on core temperature and post- anesthesia shivering in elderly patients undergoing total knee arthroplasty under spinal anesthesia. *Korean Journal of Anesthesiology* 2014; 66 (5): 352-357.

Kim J, Lee M, Shim HJ, Ghaffari R, Cho HR, Son D, Jung YH, Soh M, Choi C, Jung S, Chu K, Jeon D, Lee S.-T, Kim JH, Choi SH, Hyeon T, Kim D.-H. Stretchable silicon nanoribbon electronics for skin prosthesis. *Nature Communications* 2014; 5, art. no. 5747.

Kim J, Mohamed MAA, Zagorovsky K, Chan WCW. State of diagnosing infectious pathogens using colloidal nanomaterials. *Biomaterials* 2017, 146: 97-114.

Kim J-H, Powell JB, Roberge RJ, Shepherd A, Coca A. Evaluation of protective ensemble thermal characteristics through sweating hot plate sweating thermal manikin and human tests. *Journal of Occupational and Environmental Hygiene* 2014; 11 (4): 259-267.

Kim J-H, Roberge RJ, Powell JB. Effect of wearing an N95 respirator on infrared tympanic membrane temperature measurements. *Journal of Clinical Monitoring and Computing* 2014; 5 p. Article in Press.

Kim JS, Kim HJ, Hong S-M, Park SH, Lee JS, Kim AY, Ha HK Post-ischemic bowel stricture: CT features in eight cases. *Korean Journal of Radiology* 2017, 18(6) 936-945.

Kim J-Y, Hwang H, Oh S, Kim Y.-S, Kim U-J, Choi JW. Investigation of structural modification and thermal characteristics of lignin after heat treatment. *International Journal of Biological Macromolecules* 2014; 66: 57-65.

Kim MS, Kim SH, Jang SI, Lee SY Infective endocarditis caused by neisseria cinerea in a 7-year-old girl who had undergone surgical pulmonary valve replacement. *EWHA Medical Journal* 2017, 40(4) 171-174.

Kim MS, Hu HH, Aggabao PC, Geffner ME, Gilsanz V. Presence of brown adipose tissue in an adolescent with severe primary hypothyroidism. *Journal of Clinical Endocrinology and Metabolism* 2014; 99 (9): E1686-E1690.

Kim S, Jeong S. Effects of temperature-dependent optical properties on the fluence rate and temperature of biological tissue during low-level laser therapy. *Lasers in Medical Science* 2014; 29 (2): 637-644.

Kim S.-S, Agblevor FA. Thermogravimetric analysis and fast pyrolysis of Milkweed. *Bioresource Technology* 2014; 169: 367-373.

Kim S-B. Laser acupuncture improves skin color deformation by cupping: A pilot study. *Acupuncture and Electro-Therapeutics Research* 2017, 41 (3-4): 155-169.

Kim SH, Choi SS, Lee MK, Kin JE. Complex regional pain syndrome caused by lumbar herniated intervertebral disc disease. *Pain Physician* 2016; 19 (6) E901-E904

Kim SH, Choi YH, Cheon J-E, Shin S.-M, Cho H.-H, Lee SM, You SK, Kim WS, Kim I-O. Transient flow response after femoral artery catheterization for diagnostic neuroangiography in infants and children: Doppler US assessment of the ipsilateral femoral artery. *Pediatric Radiology* 2014; 45 (1): 86-93.

Kim SW, Song H. Multimodal Imaging in Klippel-Trénaunay-Weber Syndrome: Clinical Photography Computed Tomoangiography Infrared Thermography and 99mTc-Phytate Lymphoscintigraphy. *Clinical nuclear medicine* 2017, 42 (12): 976-977.

Kim T, Ahn S, Leigh S-B. Energy consumption analysis of a residential building with phase change materials under various cooling and heating conditions. *Indoor and Built Environment* 2014; 23 (5): 730- 741.

Kim Y.-S, Park MJ, Keserci B, Nurmilaukas K, Kohler MO, Rhim H, Lim HK. Uterine fibroids: Postsonication temperature decay rate enables prediction of therapeutic responses to MR imaging-guided high-Intensity focused ultrasound ablation. *Radiology* 2014; 270 (2): 589-600.

Kim Y-H, Son S-R, Sarkar SK, Lee B-T. The effects of dimethyl 3,3'-dithiobispropionimidate di- hydrochloride cross-linking of collagen and gelatin coating on porous spherical biphasic calcium phosphate granules. *Journal of Biomaterials Applications* 2014; 29 (3): 386-398.

Kim Y-S, Kim B-G, Rhim H, Bae D-S, Lee J-W, Kim T-J, Choi CH, Lee Y-Y, Lim HK. Uterine fibroids: Semiquantitative perfusion MR imaging parameters associated with the intraprocedural and immediate postprocedural treatment efficiencies of MR imaging-guided high-intensity focused ultrasound ablation. *Radiology* 2014; 273 (2) 462-471.

- Kimber JA, Kazarian SG. Spectroscopic imaging of biomaterials and biological systems with FTIR microscopy or with quantum cascade lasers. *Analytical and Bioanalytical Chemistry* 2017, 409(25) 5813-5820.
- King HH, Cayce CT, Herrin J. Thermography Examination of Abdominal Area Skin Temperatures in Individuals With and Without Focal-Onset Epilepsy. *Explore: The Journal of Science and Healing* 2017, 13 (1): 46-52.
- King RSP, Hallett PM, Foster D. NIR-NIR fluorescence: A new genre of fingermark visualisation techniques. *Forensic Science International* 2016; 262 e28-e33
- Kinger S, Kumar R, Sharma A. Prediction based proactive thermal virtual machine scheduling in green clouds. *The Scientific World Journal* 2014; 2014, art. no. 208983.
- Kingsberg SA, Althof S, Simon JA, Bradford A, Bitzer J, Carvalho J, Flynn KE, Nappi RE, Reese JB, Rezaee RL, Schover L, Shifrin JL. Female Sexual Dysfunction—Medical and Psychological Treatments Committee 14. *Journal of Sexual Medicine* 2017, 14 (12): 1463-1491.
- Kinose Y, Azuchi F, Uehara Y, Kanomata T, Kobayashi A, Yamaguchi M, Izuta T. Modeling of stomatal conductance to estimate stomatal ozone uptake by *Fagus crenata* *Quercus serrata* *Quercus mongolica* var. *crispula* and *Betula platyphylla*. *Environmental Pollution* 2014; 194: 235- 245.
- Kinoshita H, Akahori T, Nakamura E, Okawa H, Kawahito S, Kitahata H, Fujiwara Y. Tissue oxygenation index reflects changes in forearm blood flow after brief ischemia. *Journal of Medical Investigation* 2017, 64(3-4) 228-232.
- Kinoshita T, Abe R-T, Hineno A, Tsunekawa K, Nakane S, Ikeda S-I. Peripheral sympathetic nerve dysfunction in adolescent Japanese girls following immunization with the human papillomavirus vaccine. *Internal Medicine* 2014; 53 (19) 2185-2200.
- Kirkan B, Aycik GA. Solid phase extraction using silica gel modified with azo-dyes derivative for preconcentration and separation of Th(IV) ions from aqueous solutions. *Journal of Radioanalytical and Nuclear Chemistry* 2016; 308 (1) 81-91
- Kirkham S, Lam S, Nester C, Hashmi F. The effect of hydration on the risk of friction blister formation on the heel of the foot. *Skin Research and Technology* 2014; 20 (2): 246-253.
- Kirubha ASP, Anburajan M, Venkataraman B, Menaka M. Comparison of PET-CT and thermography with breast biopsy in evaluation of breast cancer: A case study. *Infrared Physics & Technology* 2015; 73: 115- 125
- Kitney DG, Jabr RI, Vahabi B, Fry CH. Mild external heating and reduction in spontaneous contractions of the bladder. *BJU International* 2017, 120 (5): 724-730.
- Kiyari W, Ito A, Nakagawa Y, Mukai S, Mori K, Arai T, Uchino E, Okuno Y, Kuroki H Relationships Between Quantitative Pulse-Echo Ultrasound Parameters from the Superficial Zone of the Human Articular Cartilage and Changes in Surface Roughness, Collagen Content or Collagen Orientation Caused by Early Degeneration. *Ultrasound in Medicine and Biology* 2017, 43(8) 1703-1715.
- Klaessens J, van der Veen A, Verdaasdonk R. Thermal Imaging, a clinical diagnostic tool for non-contact monitoring of tissue perfusion, applied in clinical trials (extended abstract). *Thermology international* 2015, 25(3) 117.
- Klaessens JH, Van Den Born M, Van Der Veen A, Sikkens-Van De Kraats J, Van Den Dungen FA, Verdaasdonk RM. Development of a baby friendly non-contact method for measuring vital signs: First results of clinical measurements in an open incubator at a neonatal intensive care unit. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 8935, art. no. 89351P .
- Klahr AC, Nadeau CA, Colbourne F. Temperature Control in Rodent Neuroprotection Studies: Methods and Challenges. *Therapeutic Hypothermia and Temperature Management* 2017, 7 (1): 42-49.
- Klamann MKI, Maier AKB, Gonnermann J, Klein JP, Ruokonen P, Pleyer U. Thermography: A New Option to Monitor Filtering Bleb Function? *Journal of Glaucoma* 2015; 24 (4): 272-277
- Kleessen S, Klie S, Nikoloski Z. Concurrent Conditional clustering of multiple Networks: CoCoNets. *PLoS ONE* 2014; 9 (8), art. no. e103637.
- Klein BA, Stiegler M, Klein A, Tautz J. Mapping sleeping bees within their nest: Spatial and temporal analysis of worker honey bee sleep. *PLoS ONE* 2014; 9 (7), art. no. e102316.
- Klomp WWJ, Brandon Bravo Bruinsma GJ, Van 'T Hof AWJ, Grandjean JG, Nierich AP. A Protocol for Diagnosis and Management of Aortic Atherosclerosis in Cardiac Surgery Patients. *International Journal of Vascular Medicine* 2017, Article Number: 1874395.
- Klugsberger B, Schreiner M, Rothe A, Haas D, Oppelt P, Shamiyeh A. Warmed humidified carbon dioxide insufflation versus standard carbon dioxide in laparoscopic cholecystectomy: A double- blinded randomized controlled trial. *Surgical Endoscopy and Other Interventional Techniques* 2014; 28 (9): 2656-2660.
- Klute GK, Huff E, Ledoux WR. Does activity affect residual limb skin temperatures? *Clinical Orthopaedics and Related Research* 2014; 472 (10): 3062-3067.
- Kluwe B, Plassmann P. Mobile Medical Infrared Imaging Devices on Embedded Computing Platforms (extended abstract). *Thermology international* 2015, 25(3) 97
- Kluwe B. Technical Challenges in Infrared Foot Screening (extended abstract). *Thermology international* 2016, 26

- Klyushin NM, Stogov MV, Grebenyuk LA, Sudnitsyn AS, Kireeva EA. Comparative analysis of pathophysiological signs of osteomyelitis of neurogenic and trophic and posttraumatic etiology. *Novosti Khirurgii* 2017, 25 (4): 382-388.
- Knapp J, Schneider A, Nees C, Bruckner T, Böttiger BW, Popp E. Effects of adenosine monophosphate on induction of therapeutic hypothermia and neuronal damage after cardiopulmonary resuscitation in rats. *Resuscitation* 2014; 85 (9): 1291-1297.
- Knecht S, Sticherling C, Reichlin T, Mühl A, Pavlović N, Schaer B, Osswald S, Kühne M. Reliability of luminal oesophageal temperature monitoring during radiofrequency ablation of atrial fibrillation: Insights from probe visualization and oesophageal reconstruction using magnetic resonance imaging. *Europace* 2017, 19 (7): 1123-1131.
- Kneepkens E, Heijman E, Keupp J, Weiss S, Nicolay K, Grüll H. Interleaved Mapping of Temperature and Longitudinal Relaxation Rate to Monitor Drug Delivery during Magnetic Resonance-Guided High-Intensity Focused Ultrasound-Induced Hyperthermia. *Investigative Radiology* 2017, 52 (10): 620-630.
- Knez W, Girard O, Racinais S, Walsh A, Gaoua N, Grantham J. Does living and working in a hot environment induce clinically relevant changes in immune function and voluntary force production capacity? *Industrial Health* 2014; 52 (3) 235-239.
- Knobel-Dail RB, Holditch-Davis D, Sloane R, Guenther BD, Katz LM Body temperature in premature infants during the first week of life: Exploration using infrared thermal imaging. *Journal of Thermal Biology* 2017, 69: 118-123.
- Knupp DC, Naveira-Cotta CP, Renfer A, Tiwari MK, Cotta RM, Poulikakos D. Analysis of conjugated heat transfer in micro-heat exchangers via integral transforms and non-intrusive optical techniques. *International Journal of Numerical Methods For Heat & Fluid Flow* 2015; 25 (6): 1444-1462
- Knuttel FM, van den Bosch MAAJ. Magnetic resonance-guided high intensity focused ultrasound ablation of breast cancer. *Advances in Experimental Medicine and Biology* 2016; 880 65-81
- Knysh P, Korkolis YP. Determination of the fraction of plastic work converted into heat in metals. *Mechanics of Materials* 2015; 86: 71-80
- Ko EJ, No YA, Park KY, Li K, Seo SJ, Hong CK. The clinical significance of infrared thermography for the prediction of postherpetic neuralgia in acute herpes zoster patients. *Skin Research and Technology* 2016; 22 (1) 108-114
- Kobayashi A, Watanabe S, Tsuruga K, Ito E, Tanaka H. Post-acute ischemic change and colon stricture in hemolytic uremic syndrome. *Pediatrics International* 2017, 59 (4): 498-499.
- Kobayashi M. Skin vasomotor hemiparesis followed by overactivity: characteristic thermography findings in a patient with Horner syndrome due to spinal cord infarction. *Clinical Autonomic Research* 2016; 26 (2) 153-156
- Kobayashi M. The effectiveness of thermography as an assessment tool for flap engraftment in a dog. (extended abstract). *Thermology international* 2015, 25(3) 132-134
- Kobayashi T, Ito T, Kobayashi Y, Mitsuhashi Y, Tsuboi R. Two cases of acquired idiopathic generalized anhidrosis successfully treated by steroid pulse therapy. *Journal of Dermatology* 2014; 41 (5): 444-445.
- Kobayashj C, Ogasawara N, Yamada H, Yamada S, Kikuchj T., TI Evaluation of angle dependence in spectral emissivity of ceramic tiles measured by FT-IR. XXXVII, APR 20-23 2015, Baltimore MD, 2015; pp. 948508-948508-9.
- Kocan M, Pitts RA, Arnoux G, Balboa I, de Vries PC, Dejarnac R, Furno I, Goldston RI, Gribov Y, Horacek J, Komm M, Labit B, LaBombard B, Lasnier CI, Mitteau R, Nespoli F, Pace D, Panek R, Stangeby PC, Terry JL, Tsuj C, Vondracek P, Impact of a narrow limiter SOL heat flux channel on the ITER first wall panel shaping. *Nuclear Fusion* 2015; 55 (3) 033019
- Kochanek P, Kitagawa RS, Batchelor P, Thoresen M. Central Nervous System Injury and Temperature Management. *Therapeutic Hypothermia and Temperature Management* 2016; 6 (3) 112-115
- Köcher J, Knappe V, Schwagmeier M. Internal structuring of silica glass fibers: Requirements for scattered light applicators for the usability in medicine. *Photonics and Lasers in Medicine* 2016; 5 (1) 57-67
- Koenig J, Jarczok MN, Ellis RJ, Bach C, Thayer JF, Hillecke TK. Two-Week Test-Retest Stability of the Cold Pressor Task Procedure at two different Temperatures as a Measure of Pain Threshold and Tolerance. *Pain Practice* 2014; 14 (3): E126-E135.
- Koenraads SPC, de Boorder T, Grolman W, Kamalski DMA. A 1,470 nm diode laser in stapedotomy: Mechanical thermal and acoustic effects. *Lasers in Surgery and Medicine* 2017, 49 (6): 619-624.
- Kofler M, Valls-Solé, J, Vasko P, Boček V, Štetkárová, I. Influence of limb temperature on cutaneous silent periods. *Clinical Neurophysiology* 2014; 125 (9): 1826-1833.
- Koh NCY, Sim KS, Hoe TM. Investigation of factors affecting backside hotspot localization in Infrared lock- in thermography. *Journal of Micro-Nanolithography MEMS and MOEMS* 2015; 14 (3) 035501
- Koirala D, Punnoose JA, Shrestha P, Mao H. Yoctoliter thermometry for single-molecule investigations: A generic

bead-on-a-tip temperature-control module. *Angewandte Chemie - International Edition* 2014; 53 (13) 3470-3474.

Kok HP, Korshuize- van Straten L, Bakker A, de Kroon- Oldenhof R, Geijssen ED, Stalpers JAA, Crezee J. Online Adaptive Hyperthermia Treatment Planning During Locoregional Heating to Suppress Treatment-Limiting Hot Spots. *International Journal of Radiation Oncology Biology Physics* 2017, 99 (4): 1039-1047.

Kok HP, Wust P, Stauffer PR, Bardati F, van Rhooen GC, Crezee J. Current state of the art of regional hyperthermia treatment planning: a review. *Radiation Oncology* 2015; 10:196

Kok M, Muhl C, Mingels AA, Kietselaer BL, Mühlenbruch G, Seehofnerova A, Wildberger JE, Das M. Influence of contrast media viscosity and temperature on injection pressure in computed tomographic angiography: A phantom study. *Investigative Radiology* 2014; 49 (4): 217-223.

Köksal AO, Özdemir O, Yilmaz AA, Şahin Ş, Acar M, Özkan B, Yildirim FT, Hür Ö, Yilmaz S, Koçak M. Mother approaches to children with fever. *Gazi Medical Journal* 2014; 25 (2): 63-69.

Kolacz S, Moderhak M, Jankau J. New perspective on the in vivo use of cold stress dynamic thermography in integumental reconstruction with the use of skin-muscle flaps. *Journal of Surgical Research* 2017, 212: 68-76.

Kolanthai E, Abinaya Sindu P, Thanigai Arul K, Sarath Chandra V, Manikandan E, Narayana Kalkura S. Agarose encapsulated mesoporous carbonated hydroxyapatite nanocomposites powder for drug delivery. *Journal of Photochemistry and Photobiology B: Biology* 2017, 166: 220-231.

Kolosovas-Machuca ES, Martínez-Jiménez MA, Ramírez-García Luna JL, González FJ, Pozos-Guillen AJ, Campos-Lara NP, Pierdant-Perez M. Pain measurement through temperature changes in children undergoing dental extractions. *Pain Research and Management* 2016; 2016, art no 4372617

Komaiko J, McClements DJ. Optimization of isothermal low-energy nanoemulsion formation: Hydrocarbon oil non-ionic surfactant and water systems. *Journal of Colloid and Interface Science* 2014; 425: 59-66.

Komatsu M, Ishihara T, Manabe S, Kuwano K, Oki M, Yanagi H, Ozawa H, Takagi A. A case of overwhelming postsplenectomy infection caused by *Streptococcus pneumoniae* with fulminant purpura. *Tokai Journal of Experimental and Clinical Medicine* 2017, 42 (3): 130-132.

Komljenovic D, Wiessler M, Waldeck W, Ehemann V, Pipkorn R, Schrenk H-H, Debus J, Braun K. NIR- cyanine dye linker: A promising candidate for isochronic fluorescence imaging in molecular cancer diagnostics and therapy monitoring. *Theranostics* 2016; 6 (1) 131-141

Kondo T, Uehara T, Ikegami A, Ikusaka M. Paroxysmal burning pain caused by erythromelalgia. *The Lancet* 2014; 383 (9929), p. 1692.

Kong S-H, Haouchine N, Soares R, Klymchenko A, Andreiuk B, Marques B, Shabat G, Piechaud T, Diana M, Cotin S, Marescaux J. Robust augmented reality registration method for localization of solid organs' tumors using CT-derived virtual biomechanical model and fluorescent fiducials. *Surgical Endoscopy and Other Interventional Techniques* 2017, 31 (7): 2863-2871.

Konstantopoulos S, Tonejc M, Maier A, Schledjewski R. Exploiting temperature measurements for cure monitoring of FRP, composites Applications with thermocouples and Infrared thermography. *Journal of Reinforced Plastics and Composites* 2015; 34 (12): 1015-1026

Koolen PGL, Li Z, Roussakis E, Paul MA, Ibrahim AMS, Matyal R, Huang T, Evans CL, Lin SJ. Oxygen-Sensing Paint-On Bandage: Calibration of a Novel Approach in Tissue Perfusion Assessment. *Plastic and Reconstructive Surgery* 2017, 140 (1): 89-96.

Koopmann M, Shea J, Kholmovski E, de Bever J, Minalga E, Holbrook M, Merrill R, Rock Hadley J, Owan T, Salama ME, Marrouche NF, Payne A. Renal sympathetic denervation using MR-guided high-intensity focused ultrasound in a porcine model. *Journal of Therapeutic Ultrasound* 2016; 4 (1), art no 3

Kopechek JA, Park E-J, Zhang Y-Z Vykhotseva NI, McDannold NJ, Porter TM. Cavitation- enhanced MR- guided focused ultrasound ablation of rabbit tumors in vivo using phase shift nanoemulsions. *Physics in Medicine and Biology* 2014; 59 (13) 3465-3481.

Koprowski R, Wilczyński S, Martowska K, Gołuch D, Wrocławska-Warchala E. Dedicated tool to assess the impact of a rhetorical task on human body temperature. *International Journal of Psychophysiology* 2017, 120: 69-77.

Koprowski R. Quantitative assessment of the impact of biomedical image acquisition on the results obtained from image analysis and processing. *BioMedical Engineering Online* 2014; 13 (1), art. no. 93.

Koranne K, Basu-Ray I, Parikh V, Pollet M, Wang S, Mathuria N, Lakkireddy D, Cheng J. Esophageal temperature monitoring during radiofrequency ablation of atrial fibrillation a meta-analysis. *Journal of Atrial Fibrillation* 2017, 9:4.

Korb AS, Shellock FG, Cohen MS, Bystritsky A. Low-intensity focused ultrasound pulsation device used during magnetic resonance imaging: Evaluation of magnetic resonance imaging-related heating at 3 Tesla/128 MHz. *Neuromodulation* 2014; 17 (3): 236-241.

Kordatos EZ, Exarchos DA, Mpalaskas AC, Matikas TE. Monitoring the fracture behavior of metal matrix composites by combined NDE methodologies. In: Peters KI, ed, *Proceedings of SPIE Conference on Smart Sensor Phenomena Technology Networks and Systems integration*, MAR 09-10, 2015, San Diego CA, 2015; pp. 943603-943603-10.

- Korogi Y, Naganawa S. Emerging neuroradiological topics in journals from related societies. *Japanese Journal of Radiology* 2017, 35 (1).
- Koruth JS, Iwasawa J, Enomoto Y, Bar-Tal M, Ultchin Y, Sigal A, Mizrahi L, Berger A, Hazan O, Dukkipati SR, Reddy VY. Chamber-Specific Radiofrequency Lesion Dimension Estimation Using Novel Catheter-Based Tissue Interface Temperature Sensing: A Preclinical Assessment. *JACC: Clinical Electrophysiology* 2017, 3 (10): 1092-1102.
- Kos S, Blagus T, Cemazar M, Filipic G, Sersa G, Cvelbar U. Safety aspects of atmospheric pressure helium plasma jet operation on skin: In vivo study on mouse skin. *PLoS ONE* 2017, 12 (4), art. no. e0174966.
- Koshti AM. Infrared contrast data analysis method for quantitative measurement and monitoring in flash Infrared thermography. In: Shull PJ, ed, *Proceedings of SPIE Conference on Structural Health Monitoring and Inspection of Advanced Materials Aerospace and Civil Infrastructure*, MAR 09-12, 2015, San Diego CA, 2015; pp. 94370X-94370X-15.
- Koskensalo K, Raiko J, Saari T, Saunavaara V, Eskola O, Nuutila P, Saunavaara J, Parkkola R, Virtanen KA. Human brown adipose tissue temperature and fat fraction are related to its metabolic activity. *Journal of Clinical Endocrinology and Metabolism* 2017, 102 (4): 1200-1207.
- Kosonogov V, De Zorzi L, Honoré J, Martínez-Velázquez ES, Nandrino J-L, Martínez-Selva JM, Sequeira H. Facial thermal variations: A new marker of emotional arousal. *PLoS ONE* 2017, 12(9) Article Number: e0183592.
- Kostina A, Plekhov O. The Entropy of an Armco Iron under Irreversible Deformation. *Entropy* 2015; 17 (1): 264-276
- Kostiv U, Patsula V, Noculak A, Podhorodecki A, Větvička D, Poučková P, Sedláková Z, Horák D. Phthalocyanine-Conjugated Upconversion NaYF₄:Yb³⁺/Er³⁺@SiO₂ Nanospheres for NIR-Triggered Photodynamic Therapy in a Tumor Mouse Model. *ChemMedChem* 2017, 12(24) 2066-2073.
- Kosturakis AK, He Z Li Y, Boyette-Davis JA, Shah N, Thomas SK, Zhang H, Vichaya EG, Wang XS, Wendelschafer-Crabb G, Kennedy WR, Simone DA, Cleeland CS, Dougherty PM. Subclinical peripheral neuropathy in patients with multiple myeloma before chemotherapy is correlated with decreased fingertip innervation density. *Journal of Clinical Oncology* 2014; 32 (28) 3156-3162.
- Kotel'nikov GP, Kim ID, Chernov AP, Shitikov DS. Minimally invasive surgical treatment of patients with early "classic" percutaneous rupture of the Achilles tendon. *Genij Ortopedii* 2017, 23 (3): 302-306.
- Kottkamp H, Moser F, Rieger A, Schreiber D, Pönisch C, Trofin M. Global multielectrode contact mapping plus ablation with a single catheter: Preclinical and preliminary experience in humans with atrial fibrillation. *Journal of Cardiovascular Electrophysiology* 2017, 28 (11): 1247-1256.
- Kouis D, Vassilakaki E, Vraimaki E, Cheilakou E, Saint AC, Sakkopoulos E, Viennas E, Pikoulis EV, Nodarakis N, Achilleopoulos N, Zervos S, Giannakopoulos G, Kyriaki-Manessi D, Tsakalidis A, Kouli M. Standardizing NDT& E Techniques and Conservation Metadata for Cultural Artifacts. In: Garoufallou E, Hartley RJ, Gaitanou P, eds, *Metadata and Semantics Research*. Springer International Publishing, 2015. S. 439-450.
- Koukiou G, Anastassopoulos V. Drunk person identification using local difference patterns. *IST 2016 - 2016 IEEE International Conference on Imaging Systems and Techniques Proceedings* art no 7738259 401-405
- Koukiou G, Anastassopoulos V. Drunk Person Screening using Eye Thermal Signatures. *Journal of Forensic Sciences* 2016; 61 (1) 259-264
- Koukiou G, Anastassopoulos V. Intoxicated person discrimination using infrared signature of facial blood vessels. *Australian Journal of Forensic Sciences* 2016; 48 (3) 326-338
- Kounalakis SN, Keramidas ME, Amon M, Eiken O, Mekjavic IB. A 10-day confinement to normobaric hypoxia impairs toe, but not finger temperature response during local cold stress. *Journal of Thermal Biology* 2017, 64: 109-115.
- Koyama T, Sugihara-Sek M, Sasajima T, Kikuchi S. Venular valves and retrograde perfusion. *Advances in Experimental Medicine and Biology* 2014; 812: 317-323.
- Koyano G, Jinno T, Koga D, Hoshino C, Muneta T, Okawa A. Is Closed Suction Drainage Effective in Early Recovery of Hip Joint Function? Comparative Evaluation in One-Stage Bilateral Total Hip Arthroplasty. *Journal of Arthroplasty* 2015; 30 (1): 74-78
- Kozheshkurt VA, Katrich VA. Determining the depth of the temperature anomalies in biological tissue. 2016 8th International Conference on Ultrawideband and Ultrashort Impulse Signals UWBUSIS 2016, art no 7724180 171-174
- Kozhevnikova IS, Pankov MN, Gribanov AV, Startseva LF, Ermoshina NA. The use of infrared thermography in modern medicine (literature review). *Human Ecology (Russian Federation)* 2017, (2): 39-46.
- Kozin ED, Lehmann A, Carter M, Hight E, Cohen M, Nakajima HH, Lee DJ. Thermal effects of endoscopy in a human temporal bone model: Implications for endoscopic ear surgery. *Laryngoscope* 2014; 124 (8): E332-E339.
- Kozlov AV, Sonkin VD, Yakushkin AV. Method to Estimate Activity of Subcutaneous Thermogenic Structures on Exposure to Stimuli of Different Modalities. *Human Physiology* 2017, 43 (6): 719-728.
- Kozlov SS, Chasovskaya TE, Semenova MG, Palmina NP. Effects of low concentrations of synthetic antioxidant

- phenosan potassium salt on the thermoinduced structural transitions in the protein component of plasma membranes. *Doklady Biochemistry and Biophysics* 2014; 459 (1) 190-193.
- Krankenhausen R, Worzewski T, Maierhofer C. Cooling-down of thermal thick probes after flash excitation - A measure for the real energy density? *Infrared Physics & Technology* 2015; 72: 258-265
- Krap T, Meurs J, Boertjes J, Duijst W. Technical note: unsafe rectal temperature measurements due to delayed warming of the thermocouple by using a condom An issue concerning the estimation of the postmortem interval by using Henßge's nomogram. *International Journal of Legal Medicine* 2016; 130 (2) 447-456
- Krasilnikova SV, Tush EV, Babaev SY, Khaletskaya AI, Popov KS, Novozhilov AA, Abubakirov TE, Eliseeva TI, Ignatov SK, Shakhov AV, Kubysheva NI, Solovyev VD Endonasal infrared thermometry for the diagnosis of allergic inflammation of the nasal mucosa in patients with bronchial asthma. *Sovremennye Tehnologii v Medicine* 2017, 9(4) 201-207.
- Kräuchi K, Konieczka K, Roescheisen-W eich C, Gomer B, Hauenstein D, Schoetzau A, Fraenkl S, Flammer J. Diurnal and menstrual cycles in body temperature are regulated differently: A 28-day ambulatory study in healthy women with thermal discomfort of cold extremities and controls. *Chronobiology International* 2014; 31 (1) 102-113.
- Kraus H, Soltamov VA, Fuchs F, Simin D, Sperlich A, Baranov PG, Astakhov GV, Dyakonov V. Magnetic field and temperature sensing with atomic-scale spin defects in silicon carbide. *Scientific Reports* 2014; 4, art. no. 5303.
- Krauss H, Zeugner T, Zaeh MF., TI Thermographic Process Monitoring in Powderbed Based Additive Manufacturing. In: Chimenti DE, Bond LI, eds AIP Conference Proceedings CT 41st Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE), JUL 20-25, 2014, Boise ID, 2015; 1650: 177-183
- Krawczyk A. The usage of thermovision in examination of electromagnetic structures (extended abstract). *Thermology international* 2014; 24(2) 65-66.
- Krawczyk B, Schaefer G, Wozniak M. A hybrid cost-sensitive ensemble for imbalanced breast thermogram classification. *Artificial Intelligence In Medicine*, 2015; 65 (3): 219-227
- Krefer AG, Lie MMI, Borba GB, Gamba HR, Lavarda MD, Abreu de Souza M. A method for generating 3D thermal models with decoupled acquisition. *Computer Methods and Programs in Biomedicine* 2017, 151: 79-90.
- Kreuter A, Krieg T, Worm M, Wenzel J, Moinszadeh P, Kuhn A, Aberer E, Scharffetter-Kochanek K, Horneff G, Reil E, Weberschock T, Hunzelmann N. German guidelines for the diagnosis and therapy of localized scleroderma. *JDDG - Journal of the German Society of Dermatology* 2016; 14 (2) 199-216
- Krewerth D, Lippmann T, Weidner A, Biermann H Application of full-surface view in situ thermography measurements during ultrasonic fatigue of cast steel G42CrMo4. *International Journal of Fatigue* 2015; 80: 459-467
- Krivoschekov SG, Lushnikov ON. The Functional State of Athletes Addicted to Exercises during Exercise Deprivation. *Human Physiology* 2017, 43 (6): 678-685.
- Kruglova A, Ahlgren P, Korhonen N, Rantanen P, Mikola A, Vahala R. Biodegradation of ibuprofen diclofenac and carbamazepine in nitrifying activated sludge under 12°C temperature conditions. *Science of*
- Krupatkin AI. [Oscillatory processes in microlymphatic bed of human skin]. *Fiziologija cheloveka* 2014; 40 (1): 62-67.
- Krupatkin AI. Oscillatory processes in lymph microcirculation in the human skin. *Human Physiology* 2014; 40 (1): 52-57.
- Krupatkin AI. The role of sensory peptidergic nerve fibers and neurogenic inflammation in the development of posttraumatic complex regional pain syndrome. *Zhurnal Nevrologii i Psihatrii imeni SS. Korsakova* 2014; 2014 (5): 12-16.
- Kshetry VR, Jiang X, Chotai S, Ammirati M. Optic nerve surface temperature during intradural anterior clinoidectomy: A comparison between high-speed diamond burr and ultrasonic bone curette. *Neurosurgical Review* 2014; 37 (3): 453-458.
- Kuang M, Li Z, Wang Z, Jing X, Liu C, Zhu Q, Ling Z. Combustion and NOx emission characteristics with respect to staged-air damper opening in a 600 MWe down-fired pulverized-coal furnace under deep-air-staging conditions. *Environmental Science and Technology* 2014; 48 (1): 837-844.
- Kubota H, Kuwabara K, Hamada Y. Prediction of mean skin temperature for use as a heat strain scale by introducing an equation for sweating efficiency. *International Journal of Biometeorology* 2014; 58 (7): 1593-1603.
- Kubota H, Kuwabara K, Hamada Y. The development and initial validation of a virtual dripping sweat rate and a clothing wetness ratio for use in predictive heat strain models. *International Journal of Biometeorology* 2014; 58 (6): 1339-1353.
- Kühle H-J. Biofeedback therapy for primary headaches. A simple and effective procedure for primary medical care [Biofeedback in der Behandlung primärer Kopfschmerzen: Ein einfaches und wirksames Verfahren für die Praxis]. *Tagliche Praxis* 2014; 55 (1): 109-115.
- Kuht J, Farmery AD. Body temperature and its regulation. *Anaesthesia and Intensive Care Medicine* 2014; 15 (6): 273-278.

Kujawska T, Secomski W, Kruglenko E, Krawczyk K, Nowicki A. Determination of tissue thermal conductivity by measuring and modeling temperature rise induced in tissue by pulsed focused ultrasound. *PLoS ONE* 2014; 9 (4), art. no. e94929.

Kukkonen TM. What Is the Best Method of Measuring the Physiology of Female Sexual Arousal? *Current Sexual Health Reports*: 1-8. Article in Press.

Kuliga K.Z, McDonald EF, Gush R, Michel C, Chipperfield AJ, Clough GF. Dynamics of Microvascular Blood Flow and Oxygenation Measured Simultaneously in Human Skin. *Microcirculation* 2014; 21 (6): 562- 573.

Kulikov DA, Glazkov AA, Kovaleva YA, Balashova NV, Kulikov AV. Prospects of Laser Doppler flowmetry application in assessment of skin microcirculation in diabetes. *Diabetes Mellitus* 2017, 20 (4): 279-285.

Kumana C. Minimising the costs of temperature monitoring in hospitals. *Postgraduate Medical Journal* 2017, 93 (1104), p. 580.

Kumana CR, Cheung BMY, Chan LS. Airport screening for Ebola: Current thermal scanning procedures are unreliable. *BMJ (Online)* 2014; 349, art. no. g6571.

Kumar A, Hancke GP. A Zigbee-Based Animal Health Monitoring System. *IEEE Sensors Journal* 2015; 15 (1): 610-617

Kumar MM, Goldberg AD, Kashiouris M, Keenan LR, Rabinstein AA, Afessa B, Johnson LD, Atkinson JLD, Nayagam V. Transpulmonary hypothermia: A novel method of rapid brain cooling through augmented heat extraction from the lungs. *Resuscitation* 2014; 85 (10): 1405-1410.

Kumar P, Jaiwal R, Pundir CS An improved amperometric creatinine biosensor based on nanoparticles of creatininase, creatinase and sarcosine oxidase. *Analytical Biochemistry* 2017, 537: 41-49.

Kumar R, Griffin M, Adigbli G, Kalavrezos N, Butler PEM. Lipotransfer for radiation-induced skin fibrosis. *British Journal of Surgery* 2016; 103 (8) 950-961

Kumar S, Sharma D, Kumer R, Kumar R. Electrostatic effects control the stability and iron release kinetics of ovotransferrin. *Journal of Biological Inorganic Chemistry* 2014; 19 (6) 1009-1024.

Kumar VS, Webster M. Mapping thermal Flow under the skin. *Clinical Chemistry* 2017, 63 (5): 1051-1053.

Kundu P, Chattopadhyay N. Interaction of a bioactive pyrazole derivative with calf thymus DNA: Deciphering the mode of binding by multi-spectroscopic and molecular docking investigations. *Journal of Photochemistry and Photobiology B: Biology* 2017, 173: 485-492.

Kupka K, Tomut M, Simon P, Hubert C, Romanenko A, Lommel B, Trautmann C. Intense heavy ion beam-induced temperature effects in carbon-based stripper foils. *Journal of Radioanalytical and Nuclear Chemistry* 2015; 305 (3): 875-882

Kurath-Koller S, Litscher G, Gross A, Freidl T, Koestenberger M, Urlesberger B, Raith W. Changes of Locoregional Skin Temperature in Neonates Undergoing Laser Needle Acupuncture at the Acupuncture Point Large intestine 4. *Evidence-Based Complementary and Alternative Medicine* 2015, 571857

Kurazumi Y, Ishii J, Kondo E, Fukagawa K, Bolashikov ZD, Sakoi T, Tsuchikawa T, Matsubara N, Horikoshi T. The influence of outdoor thermal environment on young Japanese females. *International*

Kuroda K. Noninvasive temperature monitoring. *Hyperthermic Oncology from Bench to Bedside* 397-420

Kuroda T, Sugimoto A, Ishigaki S, Murakami H, Kawamura M. A case of primary erythromelalgia successfully treated with high-dose intravenous immunoglobulin therapy. *Brain and Nerve* 2014; 66 (2): 185-189.

Kuroki C, Godai K, Hasegawa-Moriyama M, Kuniyoshi T, Matsunaga A, Kanmura Y, Kuwaki T. Perfusion index as a possible predictor for postanesthetic shivering. *Journal of Anesthesia* 2014; 28 (1): 19-25.

Kurup AN, Schmit GD, Morris JM, Atwell TD, Schmitz JJ, Weisbrod AJ, Woodrum DA, Eiken PW, Callstrom MR. Avoiding Complications in Bone and Soft Tissue Ablation. *CardioVascular and Interventional Radiology* 2017, 40 (2): 166-176.

Kuwada-Kusunose T, Kusunose A, Wakami M, Takebayashi C, Goto H, Aida M, Sakai T, Nakao K, Nogami K, Inagaki M, Hayakawa K, Suzuki K, Sakae T. Evaluation of irradiation effects of near-infrared free-electron-laser of silver alloy for dental application. *Lasers in Medical Science* 2017, 32 (6): 1349-1355.

Kvistad CE, Thomassen L, Waje-Andreassen U, Logallo N, Naess H. Body temperature and major neurological improvement in tPA-treated stroke patients. *Acta Neurologica Scandinavica* 2014; 129 (5): 325-329.

Kwon OI, Chauhan M, Kim HJ, Jeong W .C, Wi H, Oh TI, W oo EJ. Fast conductivity imaging in magnetic resonance electrical impedance tomography (MREIT) for RF ablation monitoring. *International Journal of Hyperthermia* 2014; 30 (7): 447-455.

Kwon T-R, Kim JH, Joon S, Mun SK, Kim CW, Kim BJ. Assessment of equivalence of adipose tissue treatment with a noncontact field RF system delivering 200 W for 30 min and 300 W for 20 min: An in vivo porcine study. *Laser Therapy* 2017, 26 (1): 39-52.

Kyriacos U, Jelsma J, Jordan S. Record review to explore the adequacy of post-operative vital signs monitoring using a local modified early warning score (mews) chart to evaluate outcomes. *PLoS ONE* 2014; 9 (1), art. no. e87320.

- La Merrill M, Karey E, Moshier E, Lindtner C, La Frano MR, Newman JW, Buettner C. Perinatal exposure of mice to the pesticide DDT impairs energy expenditure and metabolism in adult female offspring. *PLoS One* 2014; 9 (7) Art. No. e103337.
- Labergue A, Gradeck M, Lemoine F. Comparative study of the cooling of a hot temperature surface using sprays and liquid jets. *International Journal of Heat and Mass Transfer* 2015; 81: 889-900
- Ladurner R, Sommerey S, Arabi NA, Hallfeldt KKJ, Stepp H, Gallwas JKS. Intraoperative near-infrared autofluorescence imaging of parathyroid glands. *Surgical Endoscopy and Other Interventional Techniques* 2017, 31 (8): 3140-3145.
- Lagman C, Chung LK, Pelargos PE, Ung N, Bui TT, Lee SJ, Voth BL, Yang I. Laser neurosurgery: A systematic analysis of magnetic resonance-guided laser interstitial thermal therapies. *Journal of Clinical Neuroscience* 2017, 36: 20-26.
- Lagore RL, Roberts BR, Possanzini C, Saylor C, Fallone BG, De Zanche N. A system for automated noise parameter measurements on MR preamplifiers and application to high B0 fields. *NMR in Biomedicine* 2014; 27 (8) 926-938.
- Lagueta S, Diaz-Vilarino L, Roca D, Lorenzo H. Aerial thermography from low-cost UAV for the generation of thermographic digital terrain models. *Opto-Electronics Review* 2015; 23 (1): 76-82
- Lahiri BB, Bagavathiappan S, Sebastian LT, Philip J, Jayakumar T. Effect of non-magnetic inclusions in magnetic specimens on defect detection sensitivity using active Infrared thermography. *Infrared Physics & Technology* 2015; 68: 52-60
- Lahiri BB, Bagavathiappan S, Soumya C, Jayakumar T, Philip J. Infrared thermography based studies on mobile phone induced heating. *Infrared Physics & Technology* 2015; 71: 242-251
- Lahiri BB, Haneef TK, Bagavathiappan S, Kulasegaran N, Mukhopadhyay CK, Jayakumar T, Philip J. Infrared thermography-based studies on hydrotesting of stainless steel pressure vessels. *Insight* 2015; 57 (7): 406-413
- Lahlali R, Kumar S, Wang L, Forseille L, Sylvain N, Korbass M, Muir D, Swerhone G, Lawrence JR, Fobert PR, Peng G, Karunakaran C. Cell wall biomolecular composition plays a potential role in the host type II resistance to *Fusarium* head blight in wheat. *Frontiers in Microbiology* 2016; 7 (JUN), art no 910
- Lai C-H, Leung T-K, Peng C-W, Chang K-H, Lai M-J, Lai W-F, Chen S-C. Effects of far-infrared irradiation on myofascial neck pain: A randomized double-blind placebo-controlled pilot study. *Journal of Alternative and Complementary Medicine* 2014; 20 (2): 123-129.
- Lai WWL, Lee KK, Poon CS. Validation of size estimation of debonds in external wall's composite finishes via passive Infrared thermography and a gradient algorithm. *Construction and Building Materials* 2015; 87: 113-124
- Laino L, Di Carlo A. Possible application of telethermography in the non-invasive study of the "Canceration Field" (extended abstract). *Thermology international* 2015, 25(3) 135-136
- Laino L. Skin cancerization field and video-thermography - a new evaluation method? (abstract). *Thermology international* 2015, 25(1) 29-30
- Lakkireddy D, Natale A. Humanity, Service, Kindness, Innovation and Science has no Boundaries and . *Journal of Atrial Fibrillation* 2017, 9:4.
- Lalanne N, Krapez JC, Le Niliot C, Briottet X, Pierro J, Labarre L. Development and validation of a numerical tool for simulating the surface temperature field and the Infrared radiance rendering in an urban scene. *Quantitative Infrared Thermography Journal* 2015; 12 (2): 196-218
- Lam MK, Bakker CJG, Moonen CTW, Viergever MA, Bartels LW. Short and long time MR signal behavior of randomly distributed water and fat—numerical simulations. *NMR in Biomedicine* 2016; 29 (11) 1634-1643
- Lam MK, Oerlemans C, Froeling M, Deckers R, Rijbroek ADB-V, Viergever MA, WMoonen CT, Bos C, Bartels LW. DCE-MRI and IVIM-MRI of rabbit Vx2 tumors treated with MR-HIFU-induced mild hyperthermia. *Journal of Therapeutic Ultrasound* 2016; 4 (1), art no 9
- Lamarche DT, Meade RD, D'Souza AW, Flouris AD, Hardcastle SG, Sigal RJ, Boulay P, Kenny GP. The recommended Threshold Limit Values for heat exposure fail to maintain body core temperature within safe limits in older working adults. *Journal of Occupational and Environmental Hygiene* 2017, 14 (9): 703-711.
- Lampe R, Kawelke S, Mitternacht J, Turova V, Blumenstein T, Alves-Pinto A. Thermographic study of upper extremities in patients with cerebral palsy. *Opto-Electronics Review* 2015; 23 (1): 60-65
- Lan G, Li G. Design of adaptive objective lens for ultrabroad near infrared imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9713, art no 971314
- Lancaster P, Brett D, Carmichael F, Clerehugh V. In-vitro thermal maps to characterize human dental enamel and dentin. *Frontiers in Physiology* 2017, 8 art. no. 461.
- Landau Z, Klonoff D, Nayberg I, Feldman D, Levit SB, Lender D, Mosenzon O, Raz I, Wainstein J. Improved pharmacokinetic and pharmacodynamic profiles of insulin analogues using InsuPatch a local heating device. *Diabetes/Metabolism Research and Reviews* 2014; 30 (8): 686-692.
- Landmann G, Dumat W, Egloff N, Gantenbein AR, Matter S, Pirotta R, Sándor PS, Schleizer W, Seifert B, Sprött

- H, Stockinger L, Riederer F. Bilateral Sensory Changes and High Burden of Disease in Patients with Chronic Pain and Unilateral Nondermatomal Somatosensory Deficits: A Quantitative Sensory Testing and Clinical Study. *Clinical Journal of Pain* 2017, 33 (8): 746-755.
- Landry S, Goncalves MK, Kukkonen TM. Assessing differences in physiologic subjective response toward male and female orientated sexually explicit videos in heterosexual individuals. *Canadian Journal of Human Sexuality* 2016; 25 (3) 208-215
- Lane KJ, Stokes EC, Seto KC, Thanikachalam S, Thanikachalam M, Bell ML. Associations between greenness impervious surface area and nighttime lights on biomarkers of vascular aging in Chennai India. *Environmental Health Perspectives* 2017, 125 (8).
- Lang W, Gardner AD, Mariappan S, Klein C, Raffel M. Boundary-layer transition on a rotor blade measured by temperature-sensitive paint thermal imaging and image derotation. *Experiments In Fluids* 2015; 56 (6) AR 118
- Langemo DK, Spahn JG. A Reliability Study Using a Long-Wave Infrared Thermography Device to Identify Relative Tissue Temperature Variations of the Body Surface and Underlying Tissue. *Advances in Skin and Wound Care* 2017, 30 (3): 109-119.
- Langer F, Fietz J. Ways to measure body temperature in the field. *Journal of Thermal Biology* 2014; 42 (1): 46-51.
- Langer J, Penna-Martinez M, Bon D, Herrmann E, Wallasch M, Badenhop K. Insufficient Vitamin D Response to Solar Radiation in German Patients with Type 2 Diabetes or Gestational Diabetes. *Hormone and Metabolic Research* 2016; 48 (8) 503-508
- Lanisa N, Chai HY, Ng SC, Liew YM, Mohamad Salim MI, Lai KW. Texture similarity analysis of breast abnormalities in infrared thermal image. *Journal of Medical Imaging and Health Informatics* 2017, 7 (8): 1830-1836.
- Lanzinger S, Hampel R, Breitner S, Ruckerl R, Kraus U, Cyrys J, Geruschkat U, Peters A, Schneider A. Short-term effects of air temperature on blood pressure and pulse pressure in potentially susceptible individuals. *International Journal of Hygiene and Environmental Health* 2014; 217 (7): 775-784.
- Lapostolle F, Couvreur J, Koch FX, Savary D, Alh eriti re A, Galinski M, Sebbah J-L, Tazarourte K, Adnet F. Hypothermia in trauma victims at first arrival of ambulance personnel: An observational study with assessment of risk factors. *Scandinavian Journal of Trauma Resuscitation and Emergency Medicine* 2017, 25 (1), art. no. 43.
- Larach MG, Brandom BW, Allen G.C, Gronert GA, Lehman EB. Malignant hyperthermia deaths related to inadequate temperature monitoring 2007-2012: A report from the north American malignant hyperthermia registry of the malignant hyperthermia association of the United States. *Anesthesia and Analgesia* 2014; 119 (6): 1359-1366.
- Larner J, Matar H, Goldman VS, Chilcott RP. Development of a cumulative irritation model for incontinence-associated dermatitis. *Archives of Dermatological Research* 2014; 10 p. Article in Press.
- Larner J, Matar H, Goldman VS, Chilcott RP. P, Development of a cumulative irritation model for incontinence-associated dermatitis. *Archives of Dermatological Research* 2015; 307 (1): 39-48
- Larose J, Boulay P, Wright-Beatty HE, Sigal RJ, Hardcastle S, Kenny GP. Age-related differences in heat loss capacity occur under both dry and humid heat stress conditions. *Journal of Applied Physiology* 2014; 117 (1): 69-79.
- Larralde M, Abad ME, Luna PC, Hoffner MV. Capillary malformation-arteriovenous malformation: A clinical review of 45 patients *International Journal of Dermatology* 2014; 53 (4): 458-461.
- Larra naga A, Fern andez J, Vega A, Etxeberria A, Ronchel C, Adrio JL, Sarasua JR. Crystallization and its effect on the mechanical properties of a medium chain length polyhydroxyalkanoate. *Journal of the Mechanical Behavior of Biomedical Materials* 2014; 39: 87-94.
- Larsen B, Netto K, Aisbett B. Task-specific effects of modular body armor. *Military Medicine* 2014; 179 (4): 428-434.
- Larson PS, Vadivelu S, Azmi-Ghadimi H, Nichols A, Fauerbach L, Johnson HB. Neurosurgical laser ablation and MR thermometry: Risks of multisite workflow pattern. *Journal of Healthcare Risk Management: The Journal of the American Society for Healthcare Risk Management* 2017, 36 (4): 7-18.
- Lasanen R, Julkunen P, Airaksinen O, T yr s J. Menthol concentration in topical cold gel does not have significant effect on skin cooling. *Skin Research and Technology* 2016; 22 (1) 40-45
- Lasanen R, Piippo-Savolainen E, Remes-Pakarinen T, Kroger L, Heikkil a A, Julkunen P, Karhu J, Toyras J. Thermal imaging in screening of joint inflammation and rheumatoid arthritis in children. *Physiological Measurement* 2015; 36 (2): 273-282
- Lascarrou JB, Le Gouge A, Dimet J, Lacherade J.C, Martin-Lef vre L, Fiancette M, Vinatier I, Lebert C, Bachoumas K, Yehia A, Lagarrigue MH, Colin G, Reignier J. Neuromuscular blockade during therapeutic hypothermia after cardiac arrest: Observational study of neurological and infectious outcomes. *-Laser Physics and Applications, SEP 29-OCT 03, 2014 Sozopol Bulgaria, 2015; pp. 944715-944715-6.*
- Lasers in Medical Science* 2014; 29 (1) 173-183.
- Lashkari AE, Firouzmand M. Early breast cancer detection in thermogram images using AdaBoost classifier and

- fuzzy C-Means clustering algorithm. *Middle East Journal of Cancer* 2016; 7 (3) 113-124
- Laskar AA, Alam MF, Younus H. In vitro activity and stability of pure human salivary aldehyde dehydrogenase. *International Journal of Biological Macromolecules* 2017, 96: 798-806.
- Lasobras J. Infrared sensor-based temperature control for domestic induction cooktops. *Sensors (Basel Switzerland)* 2014; 14 (3): 5278-5295.
- Lassnig E, Dinkhauser P, Maurer E, Eber B. Life-threatening heat stroke presenting with ST elevations: A report of consecutive cases during the heat wave in Austria in July 2013. *Wiener Klinische Wochenschrift* 2014; 126 (15-16): 491-494.
- Lathlean JA, Seuront L, McQuaid CD, Ng TPT, Zardi GI, Nicastro KR. Cheating the locals: Invasive mussels steal and benefit from the cooling effect of indigenous mussels. *PLoS ONE* 2016; 11 (3), art no e0152556
- Lathlean JA. Not all space is created equal: Distribution of free space and its influence on heat-stress and the limpet *Patelloida latistrigata*. *Journal of Thermal Biology* 2014; 46: 16-23.
- Lau P, Tuong ZK, Wang SC, Fitzsimmons RL, Goode JM, Thomas GP, Cowin GJ, Pearen MA, Mardon K, Stow JL, Muscat GEO. Ror alpha deficiency and decreased adiposity are associated with induction of thermogenic gene expression in subcutaneous white adipose and brown adipose tissue. *American Journal of Physiology-Endocrinology and Metabolism* 2015; 308 (2): E159-E171
- Launey Y, Larmet R, Nesseler N, Malledant Y, Palpacuer C, Seguin P. The Accuracy of Temperature Measurements Provided by the Edwards Lifesciences Pulmonary Artery Catheter. *Anesthesia and Analgesia* 2016; 122 (5) 1480-1483
- Launey Y, Nesseler N, Le Cousin A, Feuillet F, Garlantezec R, Mallédant Y, Seguin P. Effect of a fever control protocol-based strategy on ventilator-associated pneumonia in severely brain-injured patients. *Critical Care* 2014; 18 (1), art. no. 689.
- Laurie M, Sadli M, Failleau G, Vlahovic L, Fuetterer M, Lapetite J-M, Fourrez S, Rondinella VV. New fixed-point mini-cell to investigate thermocouple drift in a high-temperature environment under neutron irradiation. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465536
- Laveau B, Abhari RS, Crawford ME, Lutum E. High Resolution Heat Transfer Measurements on the Stator Endwall of an Axial Turbine. *Journal of Turbomachinery-Transactions of The ASME* 2015; 137 (4) 041005
- Lawley JS, Oliver SJ, Mullins PG, Macdonald JH, Moore JP. Prolonged (9 h) poikilic hypoxia (12% O₂) augments cutaneous thermal hyperaemia in healthy humans. *Experimental Physiology* 2014; 99 (6): 909-920.
- Lawson JR. Using thermography responsibly. *CMAJ* 2017, 189 (27), p. E917.
- Laycock B, Arcos-Hernandez MV, Langford A, Pratt S, Werker A, Halley PJ, Lant PA. Crystallisation and fractionation of selected polyhydroxyalkanoates produced from mixed cultures. *New Biotechnology* 2014; 31 (4): 345-356.
- Lazar HL. Intraoperative thermographic imaging—A potential “solution” to Del Nido cardioplegia. *Journal of Cardiac Surgery* 2017, 32 (12), p. 816.
- Lázár Z, Bikov A, Martinovszky F, Gálffy G, Losonczy G, Horváth I. Exhaled breath temperature in patients with stable and exacerbated COPD. *Journal of Breath Research* 2014; 8 (4), art. no. 046002.
- Lazo-Porras M, Bernabe-Ortiz A, Sacksteder KA, Gilman RH, Malaga G, Armstrong DG, Miranda JJ. Implementation of foot thermometry plus mHealth to prevent diabetic foot ulcers: Study protocol for a randomized controlled trial. *Trials* 2016; 17 (1), art no 206
- Le Cam JB, Samaca Martinez JR, Balandraud X, Toussaint E, Caillard J. Thermomechanical Analysis of the Singular Behavior of Rubber: Entropic Elasticity Reinforcement by Fillers Strain-induced Crystallization and the Mullins Effect. *Experimental Mechanics* 2015; 55 (4): 771-782
- Le Fur-Bonnabesse A, Bodéré C, Hérou C, Chevalier V, Goulet J-P. Dental pain induced by an ambient thermal differential: Pathophysiological hypothesis. *Journal of Pain Research* 2017, 10: 2845-2851.
- Le QT, Vilar R, Bertrand C. Influence of external cooling on the femtosecond laser ablation of dentin. *Lasers in Medical Science* 2017, 32 (9): 1943-1951.
- Leandro FZ, Martins J, Fontes AM, Tedesco AC Evaluation of theranostic nanocarriers for near-infrared imaging and photodynamic therapy on human prostate cancer cells. *Colloids and Surfaces B: Biointerfaces* 2017, 154: 341-349.
- Leccese F, Cagnetti M, Calogero A, Trinca D, di Pasquale S, Giarnetti S, Cozzella L. A new acquisition and imaging system for environmental measurements: an experience on the Italian cultural heritage. *Sensors (Basel Switzerland)* 2014; 14 (5): 9290-9312.
- Lechner-Greite SM, Hehn N, Werner B, Zadicario E, Tarasek M, Yeo D. Minimizing eddy currents induced in the ground plane of a large phased-array ultrasound applicator for echo-planar imaging-based MR thermometry. *Journal of Therapeutic Ultrasound* 2016; 4 (1), art no 4
- Ledezma GA, Bunker RS. The Optimal Distribution of Pin Fins for Blade Tip Cap Underside Cooling. *Journal of*

- Turbomachinery-Transactions of The ASME 2015; 137 (1) 011002
- Lee CH, Cone DC. The timing of therapeutic hypothermia initiation *Academic Emergency Medicine* 2014; 21 (4): 462-464.
- Lee E, Lee B-J, Ha J, Shin H-J, Chung J-O. Efficacy of fermented green tea on peripheral skin
- Lee H, Petrofsky J, Shah N, Awali A, Shah K, Alotaibi M, Yim J. Higher sweating rate and skin blood flow during the luteal phase of the menstrual cycle. *Tohoku Journal of Experimental Medicine* 2014; 234 (2): 117-122.
- Lee I. Advances in surgical approaches in glioblastoma (GBM). *Chinese Clinical Oncology* 2017, 6:4 Article Number: 42.
- Lee J, Lim H, Son K.-G, Ko S. Optimal nasopharyngeal temperature probe placement. *Anesthesia and Analgesia* 2014; 119 (4): 875-879.
- Lee J-B, Kim T-W, Min Y-K, Yang H-M. Long distance runners present upregulated sweating responses than sedentary counterparts. *PLoS ONE* 2014; 9 (4), art. no. e93976.
- Lee JB, Seo HS, Shin YO. Effect of intensive and repetitive heat exposure on the sudomotor activity. *Chinese Journal of Physiology* 2017, 60 (5): 301-306.
- Lee JB, Shin YO. Beneficial effect of Oligonol supplementation on sweating response under heat stress in humans. *Food and Function* 2014; 5 (10): 2516-2520.
- Lee JF, Christmas KM, Machin DR, McLean BD, Coyle EF. Warm Skin Alters Cardiovascular Responses to Cycling after Preheating and Precooling. *Medicine and Science in Sports and Exercise* 2014, Article in Press.
- Lee JKW, Koh ACH, Koh SXT, Liu GJX, Nio AQX, Fan PWP. Neck cooling and cognitive performance following exercise-induced hyperthermia. *European Journal of Applied Physiology* 2014; 114 (2): 375-384.
- Lee M-E, Park JH, Chung JW. Adsorption of Pb(II) and Cu(II) by ginkgo-leaf-derived biochar produced under various carbonization temperatures and times. *International Journal of Environmental Research and Public Health* 2017, 14 (12), art. no. 1528.
- Lee P, Werner CD, Kebebew E, Celi FS. Functional thermogenic beige adipogenesis is inducible in human neck fat. *International Journal of Obesity* 2014; 38 (2) 170-176.
- Lee RC, Darling CL, Staninec M, Ragadio A, Fried D Activity assessment of root caries lesions with thermal and near-IR imaging methods. *Journal of Biophotonics* 2017, 10(3) 433-445.
- Lee RC, Darling CL. Assessment of remineralized dentin lesions with thermal and near-infrared reflectance imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9692, art no 96920B
- Lee S, Jang J. Distillation behavior of cadmium for U recovery from liquid cadmium cathode in pyroprocessing. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (1): 491-498.
- Lee S, Lim HJ, Sohn H, Yun W, Song E. TI Autonomous Mobile Inspection System for Detecting Hidden Voids in LNG, Carrier Triplex Bonding Layers. In: Chang FK, Kopsaftopoulos F, eds, *Structural Health Monitoring 2015: System Reliability For Verification, and Implementation*, Vols. 1 and 2, 2015: 554-561
- Lee S-L, Lu Y-H. Modeling of bioheat equation for skin and a preliminary study on a noninvasive diagnostic method for skin burn wounds. *Burns* 2014; 40 (5) 930-939.
- Lee SY, Cheng JL, Gehrs KM, Folk JC, Sohn EH, Russell SR, Guo Z, Abramoff MD, Han IC. Choroidal features of acute macular neuroretinopathy via optical coherence tomography angiography and correlation with serial multimodal imaging. *JAMA Ophthalmology* 2017, 135 (11): 1177-1183.
- Lee YS, Paeng SH, Farhadi HF, Lee WH, Kim ST, Lee KS. The Effectiveness of Infrared Thermography in Patients with Whiplash injury. *Journal of Korean Neurosurgical Society* 2015; 57 (4): 283-288
- Lega M, Ferrara C, Persechino G, Bishop P. Remote sensing in environmental police investigations: Aerial platforms and an innovative application of thermography to detect several illegal activities. *Environmental Monitoring and Assessment* 2014; 186 (12) 8291-8301.
- Legrand FD, Bertucci WM, Arfaoui A. Relationships between facial temperature changes end-exercise affect and during-exercise changes in affect: A preliminary study. *European Journal of Sport Science* 2015; 15 (2): 161-166
- Lei J, Booth DT. Temperature field activity and post-feeding metabolic response in the Asian house gecko *Hemidactylus frenatus*. *Journal of Thermal Biology* 2014; 45, 175-180.
- Leijon-Sundqvist K, Lehto N, Juntti U, Karp K, Andersson S, Tegner Y. Thermal response after cold-water provocation of hands in healthy young men. *Thermology international* 2015, 25(2) 48-53
- Leijon-Sundqvist K, Lehto N, Juntti U, Karp K. Cold-water provocation of hands: an evaluation of different provocations (extended abstract). *Thermology international* 2015, 25(3) 122-123.
- Leijon-Sundqvist K, Lehto N, Juntti U, Linné A, Karp K, Andersson S, Tegner Y. Thermal response after cold-water provocation of hands of healthy young men: A test-re-test investigation (extended abstract). *Thermology international* 2015, 25(1) 28
- Leijon-Sundqvist K, Tegner Y, Juntti U, Karp K, Lehto N. Hand skin temperature - Are there warm and cold rewarming patterns after cold stress test? *Thermology International* 2016; 26 (3) 81-87

- Leijon-Sundqvist K, Tegner Y, Olsson F, Karp K, Lehto N. Relation between dorsal and palmar hand skin temperatures during a cold stress test. *Journal of Thermal Biology* 2017, 66: 87-92.
- Leite GPMF, das Neves LMS, Silva CA, Guirro RRJ, de Souza TR, de Souza AK, Garcia SB, Guirro ECO. Photobiomodulation laser and pulsed electrical field increase the viability of the musculocutaneous flap in diabetic rats. *Lasers in Medical Science* 2017, 32 (3): 641-648.
- Lemon DJ, Partridge R. Is weather related to the number of assaults seen at emergency departments? *Injury* 2017, 48 (11): 2438-2442.
- Lenasi H. Physical exercise and skin microcirculation. *Periodicum Biologorum* 2014; 116 (1): 21- 28.
- Leng D, Chen H, Li G, Guo M, Zhu Z, Xu L, Wang Y. Development and comparison of intramuscularly long-acting paliperidone palmitate nanosuspensions with different particle size. *International Journal of Pharmaceutics* 2014; 472 (1-2): 380-385.
- Lennon P, Atuhaire B, Yavari S, Sampath V, Mvundura M, Ramanathan N, Robertson J. Root cause analysis underscores the importance of understanding addressing and communicating cold chain equipment failures to improve equipment performance. *Vaccine* 2017, 35 (17): 2198-2202.
- Lenzuni P, Capone P, Freda D, Del Gaudio M. Is driving in a hot vehicle safe? *International Journal of Hyperthermia* 2014; 30 (4): 250-257.
- Leo M, Pedersen MF, Rajappan K, Ginks M, Bashir Y, Betts TR. Premature termination of radiofrequency delivery during pulmonary vein isolation due to oesophageal temperature alerts: Impact on acute and chronic pulmonary vein reconnection. *Europace* 2017, 19 (6): 954-960.
- Leon J, Perpina X, Sacristan J, Vellvehj M, Baldj A, Jorda X. Functional and Consumption Analysis of integrated Circuits Supplied by inductive Power Transfer by Powering Modulation and Lock-in Infrared Imaging. *IEEE Transactions On Industrial Electronics* 2015; 62 (12): 7774-7785
- Leon J, Perpina X, Vellvehj M, Jorda X, Godignon P. Local non invasive study of SiC diodes with abnormal electrical behavior. 44th European Solid-State Device Research Conference (ESSDERC), SEP 22-26, 2014, Venice Italy, 2015; 113: 35-41
- Lerkvaleekul B, Jaovisidha S, Sungkarat W, Chitrapazt N, Fuangfa P, Ruangchaijatuporn T, Vilaiyuk S. The comparisons between thermography and ultrasonography with physical examination for wrist joint assessment in juvenile idiopathic arthritis. *Physiological Measurement* 2017, 38 (5): 691-700.
- Leschowski M, Dreier T, Schulz C. An automated thermophoretic soot sampling device for laboratory-scale high-pressure flames. *Review of Scientific Instruments* 2014; 85 (4), art. no. 045103.
- Lesellier E, Fougere L. Kinetic behaviour in supercritical fluid chromatography with modified mobile phase for 5µm particle size. Part II: Effect of outlet pressure changes. *Journal of Chromatography A* 2014; 1373: 190-196.
- Leshnowar BG, Kilgo PD, Chen EP. Total arch replacement using moderate hypothermic circulatory arrest and unilateral selective antegrade cerebral perfusion. *Journal of Thoracic and Cardiovascular Surgery* 2014; 147 (5): 1488-1492.
- Lesovoy VN, Polyakov NN, Andonievna NM. A multidisciplinary approach to the correction of uremic syndrome in a patient with kidney angiomyolipoma. *New Armenian Medical Journal* 2017, 11(2) 6-9.
- Letushko VN, Nizovtsev MI, Sterlyagov AN. Research into thermal operating modes of a street luminaire with light emitting diodes using the IR thermography method. *Light & Engineering* 2015; 23 (1): 65-70
- Levchenko A, Lukyanova O, Borovik T, Levchenko M, Sevostianov D, Sadchikov P. The novel technique of microwave heating of infant formulas and human milk with direct temperature monitoring. *Journal of Biological Regulators and Homeostatic Agents* 2017, 31 (2): 353-357.
- Levels K, de Koning J, Broekhuijzen I, Zwaan T, Foster C, Daanen H. Effects of radiant heat exposure on pacing pattern during a 15-km cycling time trial- *Journal of Sports Sciences* 2014, 32 (9), 845-852.
- Levels K, de Koning JJ, Mol E, Foster C, Daanen HAM. The effect of pre-warming on performance during simulated firefighting exercise. *Applied Ergonomics* 2014; 45 (6) 1504-1509.
- Levi A, Amitai DB, Lapidot M. A novel transcutaneous non-focused ultrasound energy delivering device is able to induce subcutaneous adipose tissue destruction in an animal model. *Lasers in Surgery and Medicine* 2017, 49 (1): 110-121.
- Levy AS, Grant RT, Rothaus KO. Radiofrequency Physics for Minimally Invasive Aesthetic Surgery. *Clinics in Plastic Surgery* 2016; 43 (3) 551-556
- Lewalter T, Weiss C, Mewis C, Jung W, Haverkamp W, Proff J, Bauer W, on behalf of the AURUM 8 study investigators. An optimized approach for right atrial flutter ablation: a post hoc analysis of the AURUM 8 study. *Journal of Interventional Cardiac Electrophysiology* 2017, 48 (2): 159-166.
- Leyva-Gómez G, Lima E, Krötzsch G, Pacheco-Marín R, Rodríguez-Fuentes N, Quintanar- Guerrero D, Krötzsch E. Physicochemical and functional characterization of the collagen- polyvinylpyrrolidone copolymer. *Journal of Physical Chemistry B* 2014; 118 (31) 9272-9283.
- Li B, Cui X, Zhao L, Wang L, Xie G, Deng N. Pressure and Gas Flow Distribution Inside the Filter of a Non-Filter

Ventilated Lit Cigarette During Puffing. *Beitrage zur Tabakforschung International/ Contributions to Tobacco Research* 2017, 27 (6): 113-124.

Li B, Ye L, Li E, Shou DH, Li Z, Chang L. Gapped smoothing algorithm applied to defect identification using pulsed thermography. *Nondestructive Testing and Evaluation* 2015; 30 (2): 171-195

Li B, Zhao L, Yu C, Liu C, Jing Y, Pang H, Wang B, McAdam KG. Effect of machine smoking intensity and filter ventilation level on gas-phase temperature distribution inside a burning cigarette. *Beitrage zur Tabakforschung International/ Contributions to Tobacco Research* 2014; 26 (4) 191-203.

Li B, Zhao L, Yu C, Liu C, Jing Y, Pang H, Wang B, McAdam KG. Effect of machine smoking intensity and filter ventilation level on gas-phase temperature distribution inside a burning

Li C, Narayan RK, Wang P, Hartings JA. Regional temperature and quantitative cerebral blood flow responses to cortical spreading depolarization in the rat. *Journal of Cerebral Blood Flow and Metabolism* 2017, 37 (5): 1634-1640.

Li G, Li H, Duan X, Zhou Q, Zhou J, Oldham KR, Wang TD. Visualizing Epithelial Expression in Vertical and Horizontal Planes with Dual Axes Confocal Endomicroscope Using Compact Distal Scanner. *IEEE Transactions on Medical Imaging* 2017, 36(7) 1482-1490.

Li G, Pang L, Li F, Zeng J, Sun J. Preparation of resistant sweet potato starch by steam explosion technology using response surface methodology. *Tropical Journal of Pharmaceutical Research* 2017, 16 (5): 1121-1127.

Li H, Hrniak P. An experimentally validated model for microchannel heat exchanger incorporating lubricant effect. *International Journal of Refrigeration-Revue Internationale Du Froid* 2015; 59: 259-268

Li H, Yao Q, Fan J, Du J, Wang J, Peng X. A two-photon NIR-to-NIR fluorescent probe for imaging hydrogen peroxide in living cells. *Biosensors and Bioelectronics* 2017, 94: 536-543.

Li HJ. Investigation on choosing technical parameters for pulse thermography. In: Du X, Fan D, Le J, Lu Y, Yao J, Bao W, Wang L, eds; *Proceedings of SPIE 2nd International Seminar on High-Power Laser Interaction with Matter and Application / International Seminar on Space Surveillance Technology/2nd Symposium on Combustion Diagnostics, OCT 19-24, 2014, Suzhou China, 2015*; pp 95220J-95220J-8.

Li HX, Chen F, Hu H. Simultaneous measurements of droplet size flying velocity and transient temperature of in-flight droplets by using a molecular tagging technique. *Experiments In Fluids* 2015; 56 (10)194

Li HZ, Hrniak P. Quantification of liquid refrigerant distribution in parallel flow microchannel heat exchanger using Infrared thermography. *Applied Thermal Engineering* 2015; 78: 410-418

Li K, Zhao K, Shi L, Wen L, Yang H, Cheng J, Wang X, Su H. Daily temperature change in relation to the risk of childhood bacillary dysentery among different age groups and sexes in a temperate city in China. *Public Health* 2016; 131 20-26

Li L, Latourte F, Muracciole JM, Waltz L, Sabatier L, Watrresse B. Calorimetric analysis of coarse-grained polycrystalline aluminum by IRT, and DIC. *Quantitative Infrared Thermography Journal* 2015; 12 (1): 80-97

Li Q, Kang X, Shi D, Liu Q. Determination of Melamine in Soybean Meal by Near-Infrared Imaging and Chemometrics. *Analytical Letters* 2016; 49 (10) 1564-1577

Li Q, Zhang L-N, Tao X-M, Ding X. Review of Flexible Temperature Sensing Networks for Wearable Physiological Monitoring. *Advanced Healthcare Materials* 2017, 6(12) Article Number: 1601371.

Li S, Li Y, Lu Q, Zhu J, Yao Y, Bao S. Integrated drying and incineration of wet sewage sludge in combined bubbling and circulating fluidized bed units. *Waste Management* 2014; 34 (12) 2561- 2566.

Li S-W, Liu C, Gu Y-Q. Preliminary study on novel targeted anti-tumor drug aminoglucose based- Doxorubicin. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 9230, Art. No. 923019.

Li T, Liu L, W ei X, Zhang H, Fang P. Comparison of the food waste degradation rate and microbial community in the matrix between two biodegradation agents in a food waste disposer. *Waste Management* 2014; 34 (12) 2641-2646.

Li T, Yang Z Liu X, Kang Y, Wang M. Hand-foot-and-mouth disease epidemiological status and relationship with meteorological variables in Guangzhou southern China 2008-2012 [Situação epidemiológica e a relação com variáveis meteorológicas da HFMD em Guangzhou sul da China 2008-2012]. *Revista do Instituto de Medicina Tropical de Sao Paulo* 2014; 56 (6) 533-539.

Li W, Chen Q, Wu J. Double threshold ultrasonic distance measurement technique and its alication. *Review of Scientific Instruments* 2014; 85 (4) Art. No. 044905.

Li W, Graham AD, Selvin S, Lin MC. Ocular Surface Cooling Corresponds to Tear Film Thinning and Breakup. *Optometry and Vision Science* 2015; 92 (9): E248-E256

Li X, Chen M, Maharjan S, Cui J, Lu L, Gong X. Evaluating Surgical Delay Using Infrared Thermography in an Island Pedicled Perforator Flap Rat Model. *Journal of Reconstructive Microsurgery* 2017, 33 (7): 518-525.

Li X, Gao X, Ren Z Cao Y, Wang J, Liang G. A spatial and temporal analysis of Japanese encephalitis in mainland China 1963-1975: A period without Japanese encephalitis vaccination. *PLoS ONE* 2014; 9 (6) Art. No. e99183.

Li X, Ghoshal G, Lavarello RJ, Oelze ML. Exploring potential mechanisms responsible for observed changes of

ultrasonic backscattered energy with temperature variations. *Medical Physics* 2014; 41 (5) Art. No. 052901.

Li X-H, Li M-Z, Lee WS, Ehsani R, Mishra AR. Visible-NIR spectral feature of citrus greening disease. *Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis* 2014; 34 (6) 1553-1559.

Li X-L, Zhu L-Y, Song G-Y, Jia L-J, Yang S-L, Hu L-Y. Umbilical cord mesenchymal stem cell transplantation for treatment of diabetic lower limb vascular disease. *Chinese Journal of Tissue Engineering Research* 2014; 18 (23) 3670-3675.

Li Y, Fahimi B. Thermal analysis of multiple-antenna-excited breast model for breast cancer detection. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS 2016*; 2016-October art no 7590885 1058-1061

Li Y, Li Y, Zhang X, Xu X, Zhang Z, Hu C, He Y, Gu Z. Supramolecular PEGylated dendritic systems as pH/redox dual-responsive theranostic nanoplatfoms for platinum drug delivery and NIR imaging.

Li Y, Wang Z, Li X, Gong W, Xie X, Yang Y, Zhong W, Zheng A. In Vitro Evaluation of Absorption Characteristics of Peramivir for Oral Delivery. *European Journal of Drug Metabolism and Pharmacokinetics* 2017, 42 (5): 757-765.

Li Y-W, Langdon S, Pieschl R, Strong T, Wright RN, Rohrbach K, Lelas S, Lodge NJ. Monoamine reuptake site occupancy of sibutramine: Relationship to antidepressant-like and thermogenic effects in rats.

Liakat M, Khonsari MM. M, Entropic characterization of metal fatigue with stress concentration. *International Journal of Fatigue* 2015; 70: 223-234

Liang Q, Ju Y, Chen Y, Wang W, Li J, Zhang L, Xu H, Wood RW, Schwarz EM, Boyce BF, Wang Y, Xing L. Lymphatic endothelial cells efferent to inflamed joints produce iNOS and inhibit lymphatic vessel contraction and drainage in TNF-induced arthritis in mice. *Arthritis Research and Therapy* 2016; 18 (1), art no 62

Liang X, Shang W, Chi C, Zeng C, Wang K, Fang C, Chen Q, Liu H, Fan Y, Tian J. Dye-conjugated single-walled carbon nanotubes induce photothermal therapy under the guidance of near-infrared imaging.

Lianghui Z, Maomao Z, Yonghong H. Blood oxygen content detection with dual-wavelength near-infrared imaging. *Chinese Journal of Biomedical Engineering* 2016; 35 (4) 419-427

Lichtenberg M, Brodersen KE, Kühl M. Radiative energy budgets of phototrophic surface-associated microbial communities and their photosynthetic efficiency under diffuse and collimated light. *Frontiers in Microbiology* 2017, 8: art. no. 452.

Lichtinger R, Hormann P, Stelzl D, Hinterholz R. The effects of heat input on adjacent paths during Automated Fibre Placement. *Composites Part A-Applied Science and Manufacturing* 2015; 68: 387-397

Lider MC, Yurtseven H. α - β Transition in Quartz: Temperature and Pressure Dependence of the Thermodynamic Quantities for β -Quartz and β -Cristobalite as Piezoelectric Materials *Autoimmunity Highlights* 2014; 5 (4) 2014; 9 p.

Liebisch F, Kirchgessner N, Schneider D, Walter A, Hund A. Remote aerial phenotyping of maize traits with a mobile multi-sensor approach. *Plant Methods* 2015; 11, 9

Liley H.G, Mildenhall L, Morley P. Australian and New Zealand Committee on Resuscitation Neonatal Resuscitation guidelines 2016. *Journal of Paediatrics and Child Health* 2017, 53(7) 621-627.

Lilley E, Armstrong R, Clark N, Gray P, Hawkins P, Mason K, Lopez-Salesansky N, Stark AK, Jackson SK, Thiemermann C, Nandi M. Refinement of animal models of sepsis and septic shock. *Shock* 2015; 43 (4): 304-316

Lim D, Lee S, Lee SB, Park T. Pneumoperitoneum by Inguinal Laceration after Traffic Accident. *Journal of Emergency Medicine* 2017, 53 (3): e37-e39.

Lim H, Kim B, Kim D-C, Lee S-K, Ko S. A comparison of the temperature difference according to the placement of a nasopharyngeal temperature probe. *Korean Journal of Anesthesiology* 2016; 69 (4) 357-361

Lim H, Lee JH, Son K.-K, Han Y-J, Ko S. A method for optimal depth of the nasopharyngeal temperature probe: The philtrum to tragus distance. *Korean Journal of Anesthesiology* 2014; 66 (3): 195-198.

Lim MJ, Kwon SR, Jung K-H, Joo K, Park S-G, Park W. Digital thermography of the fingers and toes in Raynaud's phenomenon. *Journal of Korean Medical Science* 2014; 29 (4): 502-506.

Lim W, Sohn H, Ko Y, Park M, Kim B, Jo D, Jung JS, Yang SH, Kim J, Kim OJ, Kim D, Moon YL, Min J-J, Hyun H. Real-time in vivo imaging of metastatic bone tumors with a targeted near-infrared fluorophore. *Oncotarget* 2017, 8 (39): 65770-65777.

Lima A, Takala J. Clinical significance of monitoring perfusion in non-vital organs. *Intensive Care Medicine* 2014; 40 (7): 1052-1054.

Lima A, van Genderen ME, van Bommel J, Klijn E, Jansem T, Bakker J. Nitroglycerin reverts clinical manifestations of poor peripheral perfusion in patients with circulatory shock. *Critical Care* 2014; 18 (3), art. no. R126.

Lima A. Circulatory shock and peripheral circulatory failure: A historical perspective. *Netherlands Journal of Critical Care* 2014; 18 (6): 14-18.

Lima CKF, Silva RM, Lacerda RB, Santos BLR, Silva RV, Amaral LS, Quintas LEM, Fraga CAM, Barreiro EJ, Guimaraes MZP, Miranda ALP. LASSBio-1135: A dual TRPV1 antagonist and anti-TNF-alpha compound orally effective in models of inflammatory and neuropathic pain. *PLoS ONE* 2014; 9 (6), art. no. e99510.

- Lima PMA, Santiago HP, Szawka RE, Coimbra CC. Central blockade of nitric oxide transmission impairs exercise-induced neuronal activation in the PVN and reduces physical performance. *Brain Research Bulletin* 2014; 108, 80-87.
- Lima RPS, Brioschi ML, Jacobsen Teixeira M, Neves EB. Análise Termográfica de Corpo Inteiro: indicações para investigação de dores crônicas e diagnóstico complementar de disfunções secundárias. *Pan American Journal of Medical Thermology* 2015; 2(2) 70-77
- Limbri H, Gunawan C, Thomas T, Smith A, Scott J, Rosche B. Coal-packed methane biofilter for mitigation of green house gas emissions from coal mine ventilation air. *PLoS ONE* 2014; 9 (4) Art. No. e94641.
- Limthongthang R, Muennoi P, Phoojaroenchanachai R, Vathana T, Wongtrakul S, Songcharoen P. Effectiveness and safety of home-based muscle electrical stimulator in brachial plexus injury patients. *Journal of the Medical Association of Thailand* 2014; 97: S56-S61.
- Lin C-L, Chang H-L, Lin C-Y, Chen K-T. Seasonal patterns of Japanese encephalitis and associated meteorological factors in Taiwan. *International Journal of Environmental Research and Public Health* 2017, 14 (11), art. no. 1317.
- Lin H-F, Wu C-Y, Wu M-C, Chou T-H, Lin G-S, Yen Z-S, Chen S-C. Hypothermia decreases postoperative intra-abdominal adhesion formation. *American Journal of Surgery* 2014; 208 (3): 419-424.
- Lin M-W, Chen J-S. Image-guided techniques for localizing pulmonary nodules in thoracoscopic surgery. *Journal of Thoracic Disease* 2016; 8 S749-S755
- Lin PH, Echeverria A, Poi MJ. Infrared thermography in the diagnosis and management of vasculitis. *Journal of Vascular Surgery Cases and Innovative Techniques* 2017, 3 (3): 112-114.
- Lin PH, Saines M. Assessment of lower extremity ischemia using smartphone thermographic imaging. *Journal of Vascular Surgery Cases and Innovative Techniques* 2017, 3 (4): 205-208.
- Lin YG, Gigliotti M, Lafarie-Frenot MC, Baj JB. Effect of carbon nanotubes on the thermoelectric properties of CFRP, laminate for aircraft applications. *Journal of Reinforced Plastics and Composites*, 2015; 34 (2): 173-184
- Lin YG, Gigliotti M, Lafarie-Frenot MC, Baj JB. Effect of carbon nanotubes on the thermoelectric properties of CFRP, laminate for aircraft applications. *Journal of Reinforced Plastics and Composites*, 2015; 34 (2): 173-184
- Linan CR, Conde JM, de Hita PR, Galvez FP. Application of Non-Destructive Techniques in the inspection of Wooden Structures of Protected Buildings: The Case of Nuestra Señora de los Dolores Church (Isla Cristina Huelva). *International Journal of Architectural Heritage* 2015; 9(3): 324-340
- Lindsay ID, Valle S, Ward J, Stevens G, Farries M, Huot L, Brooks C, Moselund PM, Vinella RM, Abdalla M, De Gaspari D, Von Wurtemberg RM, Smuk S, Martijn H, Nallala J, Stone N, Barta C, Hasal R, Moller U, Bang O, Sujecki S, Seddon A. Towards supercontinuum-driven hyperspectral microscopy in the mid- infrared. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9703, art no 970304
- Ling JHL, Tay AAO. A New Analytical Method for Calculating Maximum Junction Temperature of Packaged Devices incorporating the Temperature Distribution at the Base of the Substrate. *Journal of Electronic Packaging* 2015; 137 (1) 014502
- Linghu W, Sun Y, Yang H, Chang K, Ma J, Huang Y, Dong W, Alsaedi A, Hayat T. Sorption of U(VI) on magnetic sepiolite investigated by batch and XANES techniques. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 1825-1832.
- Linseman ME, Palmer MS, Sprenger HM, Spriet LL. Maintaining hydration with a carbohydrate– electrolyte solution improves performance thermoregulation and fatigue during an ice hockey scrimmage. *Applied Physiology Nutrition and Metabolism* 2014; 39 (11): 1214-1221.
- Loce EEAN, Novello M, Durando G, Bistolfi A, Actis MV, Massazza G, Magnetto C, Guiot C. Therapeutic Ultrasound in Physical Medicine and Rehabilitation: Characterization and Assessment of Its Physical Effects on Joint-Mimicking Phantoms. *Ultrasound in Medicine and Biology* 2014; 40 (11): 2743-2748.
- Lipsman N, Mainprize TG, Schwartz ML, Hynynen K, Lozano AM. Intracranial Applications of Magnetic Resonance-guided Focused Ultrasound. *Neurotherapeutics* 2014; 11 (3) 593-605.
- Lisle T, Bouvet C, Hongkarnianakul N, Pastor ML, Rivallant S, Margueres P. Measure of fracture toughness of compressive fiber failure in composite structures using Infrared thermography. *Composites Science and Technology* 2015; 112: 22-33
- Lisle T, Bouvet C, Pastor ML, Rouault T, Margueres P. Damage of woven composite under tensile and shear stress using Infrared thermography and micrographic cuts. *Journal of Materials Science* 2015; 50(1)8: 6154-6170
- Lis-Święty A, Janicka I, Skrzypek-Salamon A, Brzezińska-Wcisło L. A systematic review of tools for determining activity of localized scleroderma in paediatric and adult patients. *Journal of the European Academy of Dermatology and Venereology* 2017, 31 (1): 30-37.
- Liszka G, Englisz B, Knefel G, Kawecki M, Nowak M, Stanek A, Sieron-Stolny K, Cholewka A. Evaluation of hyperbaric oxygen therapy effects in ulceration of cruras studied by thermal imaging and planimetry- preliminary results (extended abstract). *Thermology international* 2016, 26 (Supplement) S16

- Litscher G. No there is no conclusive scientific evidence for visualization of meridians at the moment. *Journal of Alternative and Complementary Medicine* 2014; 20 (3): 215-216.
- Litti G, Khoshdel S, Audenaert A, Braet J. Hygrothermal performance evaluation of traditional brick masonry in historic buildings. *Energy and Buildings* 2015; 105: 393-411
- Liu A, Yan X, Kan L. Clinical assessment of chronic prostatitis based on infrared imaging technology. *Zhonghua nan ke xue = National journal of andrology* 2016; 22 (1) 22-27
- Liu B, Guo XM, Qj GJ, Zhang DS. Quality evaluation of rubber-to-metal bonded structures based on shearography. *Science China-Physics Mechanics & Astronomy* 2015; 58 (7) 074202
- Liu B, Guo XM, Qj GJ, Zhang DS. Quality evaluation of rubber-to-metal bonded structures based on shearography. *Science China-Physics Mechanics & Astronomy* 2015; 58 (7) 074202
- Liu B, Tang X, Liu W, Wang L. Review on human core body temperature measurement method. *Chinese Journal of Biomedical Engineering* 2017, 36 (5): 608-614.
- Liu C, van Netten JJ, van Baal JG, Bus SA, van der Heijden F. Automatic detection of diabetic foot complications with Infrared thermography by asymmetric analysis. *Journal of Biomedical Optics* 2015; 20 (2)026003
- Liu C, You Y, Zhao R, Sun D, Zhang P, Jiang J, Zhu A, Liu W. Biosurfactant production from *Pseudomonas taiwanensis* L1011 and its application in accelerating the chemical and biological decolorization of azo dyes. *Ecotoxicology and Environmental Safety* 2017, 145: 8-15.
- Liu CY, Elias KM, Howitt BE, Lee JA, Feltmate CM. Sentinel lymph node mapping reduces practice pattern variations in surgical staging for endometrial adenocarcinoma: A before and after study. *Gynecologic Oncology* 2017, 145 (2): 248-255.
- Liu G, Qin Q, Chan KWY, Li Y, Bulte JW M, McMahon MT, Van Zijl PCM, Gilad AA. Non-invasive temperature maing using temperature-responsive water saturation shift referencing (T-W ASSR) MRI. *NMR in Biomedicine* 2014; 27 (3) 320-331.
- Liu H, Chen B, Li S, Yao J. Dose-dependent neuroprotection of delta-opioid peptide [D-Ala², D- Leu⁵] enkephalin on spinal cord ischemia-reperfusion injury by regional perfusion into the abdominal aorta in rabbits. *Journal of Vascular Surgery*. Accepted: November 15, 2014 (Article in Press).
- Liu H, Yang J, Wang L, Xu Y, Zhang S, Lv J, Ran C, Li Y. Targeting β -amyloid plaques and oligomers: Development of near-IR fluorescence imaging probes. *Future Medicinal Chemistry* 2017, 9(2) 179-198.
- Liu J, Ren WW, Tian GY, Gao B, Wang YZ, Zhang JS, Shaw B, Yin AJ, King-Alale NO. Nondestructive Evaluation of Early Contact Fatigue Using Eddy Current Pulsed Thermography. *IEEE Sensors Journal* 2015; 15 (8): 4409-4419
- Liu JY, Gong JL, Qin L, Guo B, Wang Y. Three-Dimensional Visualization of Subsurface Defect Using Lock-in Thermography. *International Journal of Thermophysics* 2015; 36(5-6): 1226-1235
- Liu JY, Gong JL, Qin L, Wang Y. Study on Lock-in Thermography Defect Detectability for Carbon-Fiber-Reinforced Polymer (CFRP) Sheet with Subsurface Defects. *International Journal of Thermophysics* 2015; 36(5-6): 1259-1265
- Liu JY, Heidarinejad M, Gracik S, Srebric J, Yu NY. An indirect validation of convective heat transfer coefficients (CHTCs) for external building surfaces in an actual urban environment. *Building Simulation* 2015; 8 (3): 337-352
- Liu JY, Liu Y, Wang F, Wang Y. Study on probability of detection (POD) determination using lock-in thermography for nondestructive inspection (NDI) of CFRP composite materials. *Infrared Physics & Technology* 2015; 71: 448-456
- Liu JY, Tang QJ, Wang Y, Gong JL, Qin L. Investigation on Coating Uniformity of High-Temperature Alloy with SiC, Thermal Barrier Coating Using Pulsed Infrared Thermographic Technique. *International Journal of Thermophysics* 2015; 36(5-6): 1252-1258
- Liu L, Wu C-F. Distinct effects of Abelson kinase mutations on myocytes and neurons in dissociated *Drosophila* embryonic cultures: Mimicking of high temperature. *PLoS ONE* 2014; 9 (1) Art. No. e86438.
- Liu P, Chalak LF, Krishnamurthy LC, Mir I, Peng S-L, Huang H, Lu H. T1 and T2 values of human neonatal blood at 3 Tesla: Dependence on hematocrit oxygenation and temperature. *Magnetic Resonance in Medicine* 2016; 75 (4) 1730-1735
- Liu P, Di S, Jin J, Bai L. Enhancement display of veins distribution based on binocular vision and image fusion technology. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 9268, art. no. 92681E.
- Liu S, Ren R, Liu M, Lv Y, Li B, Li C. MR imaging-guided percutaneous cryotherapy for lung tumors: Initial experience. *Journal of Vascular and Interventional Radiology* 2014; 25 (9) 1456- 1462.
- Liu T, Jung H, Liu J, Droettboom M, Tam J. Noninvasive near infrared autofluorescence imaging of retinal pigment epithelial cells in the human retina using adaptive optics. *Biomedical Optics Express* 2017, 8(10) 4348-4360.
- Liu T, Sin ML.Y, Pyne JD, Gau V, Liao J.C, Wong PK. Electrokinetic stringency control in self- assembled monolayer-based biosensors for multiplex urinary tract infection diagnosis. *Nanomedicine: Nanotechnology Biology and Medicine* 2014; 10 (1): 159-166.

- Liu T, Zhang W, Yan SZ. A novel image enhancement algorithm based on stationary wavelet transform for Infrared thermography to the de-bonding defect in solid rocket motors. *Mechanical Systems and Signal Processing* 2015; 62-63: 366-380
- Liu X, Dong S, An M, Bai L, Luan J. Quantitative assessment of facial paralysis using infrared thermal imaging. (2015) *Proceedings - 2015 8th International Conference on BioMedical Engineering and Informatics BMEI 2015*, art no 7401482 106-110
- Liu X, Hong K-S. Detection of primary RGB colors projected on a screen using fNIRS. *Journal of Innovative Optical Health Sciences* 2017, 10 (3), art. no. 1750006.
- Liu X, Kruger P, Maibach H, Colditz PB, Roberts MS. Using skin for drug delivery and diagnosis in the critically ill. *Advanced Drug Delivery Reviews* 2014; 77, 40-49.
- Liu X-L, Hong W-X, Liu J.-M. Objective assessment of facial paralysis using infrared thermography and formal concept analysis. *Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis* 2014; 34 (4): 932-936.
- Liu Y, Herman BA, Sonesson JE, Harris GR. Thermal safety simulations of transient temperature rise during acoustic radiation force-based ultrasound elastography. *Ultrasound in Medicine and Biology* 2014;40 (5) 1001-1014.
- Liu Y, Jiang L, Song Y, Zhao Y, Zhang Y, Wang D. Estimation of minimum miscibility pressure (MMP) of CO₂ and liquid n-alkane systems using an improved MRI technique. *Magnetic Resonance Imaging* 2016; 34 (2) 97-104
- Liu Y, Wei G, Yang W, Wang C, Huang R. [Anterior lumbar interbody fusion with self-locked cage for treatment of central type lumbar intervertebral disc protrusion and recessive lumbar segmental instability]. *Zhongguo xiu fu chong jian wai ke za zhi = Zhongguo xiufu chongjian waikexue zazhi = Chinese journal of reparative and reconstructive surgery* 2014; 28 (1): 69-73.
- Liu Y, Xu Y, Qiao H, Ke X, Wu Z, Sun T, Wu C. Online monitoring for strychnos nux-vomica parching in sands and chemical compositional analysis by ultra performance liquid chromatography - linear trap quadrupole-orbitrap-mass spectrometry. *Tropical Journal of Pharmaceutical Research* 2014; 13 (10): 1675-1680.
- Liu YL, Tang QJ, Bu CW, Mej C, Wang PS, Zang JS. Pulsed Infrared thermography processing and defects edge detection using FCA and ACA. *Infrared Physics & Technology* 2015; 72: 90-94
- Liu Y-R, Huang R-Q, Xiao B-K, Yang J-Y, Dong J-X. ¹H NMR metabolic profiling analysis offers evaluation of Nilestriol treatment in ovariectomised rats. *Molecular and Cellular Endocrinology* 2014; 387 (1-2) 19-34.
- Liu ZY, Li FD, Xia P, Baj S, Gu YX, Yu D, Zeng SM. Mechanisms for Goss-grains induced crack deflection and enhanced fatigue crack propagation resistance in fatigue stage II of an AA2524 alloy. *Materials Science and Engineering A-Structural Materials Properties, Microstructure and Processing* 2015; 625: 271- 277
- Lizaranzu M, Lario A, Chiminelli A, Amenabar I. Non-destructive testing of composite materials by means of active thermography-based tools. *Infrared Physics & Technology* 2015; 71: 113-120
- Lloyd J, Cheyne J. The origins of the vaccine cold chain and a glimpse of the future. *Vaccine* 2017, 35 (17): 2115-2120.
- Lloyd-Jones JL, Purohit RC, Boyle M, Shepherd C. Use of Thermography for Functional Evaluation of Stallion Scrotum and Testes. *Journal of Equine Veterinary Science* 2015; 35 (6): 488-494
- Lo C, Ormond G, McDougall R, Sheppard SJ, Davidson AJ. Effect of magnetic resonance imaging on core body temperature in anaesthetised children. *Anaesthesia and Intensive Care* 2014; 42 (3): 333-339.
- Loboda EL, Agafontsev MV, Fateev VN, Reyno VV. Application of thermography in experimental studies of plasma jets. In: Matvienko GG, Romanovskij OA, eds. *Proceedings of SPIE 21st International Symposium On Atmospheric and Ocean Optics -Atmospheric Physics*, JUN 22-26 2015, Tomsk Russia, 2015; pp.96802J-96802J-6
- Loboda EL, Matvienko OV, Vavilov VP, Reyno VV. Infrared thermographic evaluation of flame turbulence scale. *Infrared Physics & Technology* 2015; 72: 1-7
- Lohman RF, Ozturk CN, Ozturk C, Jayaprakash V, Djohan R. An analysis of current techniques used for intraoperative flap evaluation. *Annals of Plastic Surgery*. Article in Press. [2015, 75(6):679-685]
- Łokaj M, Czaplak N, Falkowski A, Prowans P. The use of thermography in early detection of tissue perfusion disorders in rats. *Wideochirurgia I Inne Techniki Maloinwazyjne* 2014; 9 (3): 329-336.
- Lomperski S, Gerard J, Polnter WD. Fiber optic distributed temperature sensor mapping of a jet-mixing flow field. *Experiments in Fluids* 2015; 56 (3) 55
- Lonardi C, Scollo A, Normando S, Brscic M, Gottardo F. Can novel methods be useful for pain assessment of castrated piglets? *Animal* 2015; 9 (5): 871-877
- Longato E, Garrido M, Saccardo D, Guevara CM, Mani AR, Bolognesi M, Amodio P, Facchinetti A, Sparacino G, Montagnese S Expected accuracy of proximal and distal temperature estimated by wireless sensors, in relation to their number and position on the skin. *PLoS ONE* 2017, 12(6) Article Number: e0180315.
- Longo GA, Mancin S, Righetti G, Zilio C. HFC32 vaporisation inside a Braze Plate Heat Exchanger (BPHE): Experimental measurements and IR thermography analysis. *International Journal of Refrigeration-Revue Internationale Du Froid* 2015; 57: 77-86

- Lopera C, Worsley PR, Bader DL, Fenlon D. Investigating the Short-Term Effects of Manual Lymphatic Drainage and Compression Garment Therapies on Lymphatic Function Using Near-Infrared Imaging. *Lymphatic Research and Biology* 2017, 15 (3): 235-240.
- Lopes LT, Biancardi V, Vieira EB, Leite-Panissi C, Bicego KC, Gargaglioni LH. Participation of the dorsal periaqueductal grey matter in the hypoxic ventilatory response in unanaesthetized rats. *Acta Physiologica* 2014; 211 (3) 528-537.
- Lopez F, Sfarra S, Ibarra-Castanedo C, Ambrosini D, Maldague XPV. Role of the masonry in paintings during a seismic event analyzed by infrared vision. In: Pezzati L, Targowski P, eds, *Proceedings of SPIE Conference on Optics for Arts Architecture and Archaeology V*, JUN 24-25 2015, Munich Germany, 2015; pp. 95270G-95270G-13.
- Lopez F, Sfarra S, Ibarra-Castanedo C, Paoletti D, Maldague X. Integration of infrared and optical imaging techniques for the nondestructive inspection of aeronautic parts. In Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23 2015, Baltimore MD, 2015; pp. 948506-948506-8.
- Lopez JE, Vinet-Oliphant H Wilder HK, Brooks CP, Grasperge BJ, Morgan TW, Stuckey KJ, Embers, ME. Real-time monitoring of disease progression in rhesus macaques infected with *borrelia turicatae* by tick bite. *Journal of Infectious Diseases* 2015, 210 (10): 1639-1648.
- López L, Laguela S, Picon I, & González-Aguilera, D. Automatic analysis and classification of the roof surfaces for the installation of solar panels using a multi-data source and multi-sensor aerial platform. *The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences* 2015, 40(5) 171-178.
- Lopez Labrousse MI, Frumovitz M, Guadalupe Patrono M, Ramirez PT. Sentinel lymph node mapping in minimally invasive surgery: Role of imaging with color-segmented fluorescence (CSF). *Gynecologic Oncology* 2017, 146 (3): 676-677.
- López M, Martínez-Farre X, Casas O, Quilez M, Polo J, Lopez O, Hornero G, Pinilla MR, Rovira C, Ramos PM, Borges B, Marques H, Girão PS. Intelligent composting assisted by a wireless sensing network *Waste Management* 2014; 34 (4): 738-746.
- López-Arnau R, Martínez-Clemente J, Pubill D, Escubedo E, Camarasa J. Serotonergic impairment and memory deficits in adolescent rats after binge exposure of methylene. *Journal of Psychopharmacology* 2014; 28 (11) 1053-1063.
- López-Coto I, Mas JL, Vargas A, Bolívar JP. Studying radon exhalation rates variability from phosphogypsum piles in the SW of Spain. *Journal of Hazardous Materials* 2014; 280: 464-471.
- López-Fernández L, Lagüela S, González-Aguilera D, Lorenzo H. Thermographic and mobile indoor mapping for the computation of energy losses in buildings. *Indoor and Built Environment* 2017, 26 (6): 771-784.
- Lopez-Fernandez L, Laguela S, Picon I, Gonzalez-Aguilera D. Large Scale Automatic Analysis and Classification of Roof Surfaces for the installation of Solar Panels Using a Multi-Sensor Aerial Platform. *Remote Sensing* 2015; 7 (9): 11226-11248
- Lopresto V, Pinto R, Cavagnaro M. Experimental characterisation of the thermal lesion induced by microwave ablation. *International Journal of Hyperthermia* 2014; 2014; 30 (2) 110-118.
- Lorber G, Glamore M, Doshi M, Jorda M, Morillo-Burgos G, Leveillee RJ. Long-term oncologic outcomes following radiofrequency ablation with real-time temperature monitoring for T1a renal cell cancer. *Urologic Oncology: Seminars and Original Investigations* 2014; 32 (7) 1017-1023.
- Lorenzato C, Oerlemans C, Cernicanu A, Ries M, Denis de Senneville B, Moonen C, Bos C. Rapid dynamic R1/R2*/temperature assessment: A method with potential for monitoring drug delivery. *NMR in Biomedicine* 2014; 27 (11) 1267-1274.
- Łoś -Rycharska E, Sterkowicz A, Zielińska-Duda H, Ligarzewska L, Czerwionka-Szaflarska MA. Methods of assessing child's fever [Sposoby oceny przez rodziców ciepłoty ciała a dzieci]. *Pediatrics Polska* 2014; 89 (6): 415-422.
- Łoś-Rycharska E, Sterkowicz A, Czerwionka-Szaflarska M. Physical methods of lowering high body temperature in feverish children - The analysis of parental management on the basis of questionnaire
- Lotan A, Lifschytz T, Slonimsky A, Broner EC, Greenbaum L, Abedat S, Fellig Y, Cohen H, Lory O, Goelman G, Lerer B. Neural mechanisms underlying stress resilience in Ahi1 knockout mice: Relevance to neuropsychiatric disorders. *Molecular Psychiatry* 2014; 19 (2) 243-252.
- Lotgering FK. 30+ years of exercise in pregnancy. *Advances in Experimental Medicine and Biology* 2014; 814: 109-116.
- Louis Y, Pernet-Coudrier B, Varrault G. Implications of effluent organic matter and its hydrophilic fraction on zinc(II) complexation in rivers under strong urban pressure: Aromaticity as an inaccurate indicator of DOM-metal binding. *Science of the Total Environment* 2014; 490, 830-837.
- Low SA, Robbins W, Tawfik VL. Complex management of a patient with refractory primary erythromelalgia lacking a SCN9A mutation. *Journal of Pain Research* 2017, 10: 973-977.

- Lozano N, Andrade NA, Deng D, Torrents A, Rice CP, McConnell LL, Ramirez M, Millner PD. Fate of microconstituents in biosolids composted in an aerated silage bag *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering* 2014; 49 (6): 720-730.
- Łoziński T, Filipowska J, Gurynowicz G, Gabriel I, Czekierdowski A. Non-invasive therapeutic use of High-Intensity Focused Ultrasound (HIFU) with 3 Tesla magnetic resonance imaging in women with symptomatic uterine fibroids. *Ginekologia Polska* 2017, 88 (9): 497-503.
- Lu J, Liu L, Zhu J, Guo X. Factors influencing the quality of standardized treatment for patients with post-cardiac arrest syndrome. *Korean Circulation Journal* 2017, 47 (4): 455-461.
- Lu XN, Shj TL, Wang SY, Li LY, Su L, Liao G. Intelligent diagnosis of the solder bumps defects using fuzzy C-means algorithm with the weighted coefficients. *Science China-Technological Sciences* 2015; 58 (10): 1689-1695
- Lu Z, Percie Du Sert N, Chan SW, Yeung C-K, Lin G, Yew DTW, Andrews PLR, Rudd JA. Differential hypoglycaemic anorectic autonomic and emetic effects of the glucagon-like peptide receptor agonist exendin-4, in the conscious telemetered ferret. *Journal of Translational Medicine* 2014; 12 (1) Art. No. 327.
- Lucia U, Grazzini G, Montrucchio B, Grisolia G, Borchiellini R, Gervino G, Castagnoli C, Ponzetto A, Silvagno F. Constructal thermodynamics combined with Infrared experiments to evaluate temperature differences in cells. *Scientific Reports* 2015; 5: 11587
- Lueerss B, Langehanenberg P. Thickness and air gap measurement of assembled IR objectives. In: Harding KG, Yoshizawa T, Zhang S, eds, *Proceedings of SPIE Conference on Dimensional Optical Metrology and inspection for Practical Applications IV*, APR 20-21 2015, Baltimore MD, 2015; pp. 96480D- 96480D-10.
- Lueerss B, Langehanenberg P. Thickness and air gap measurement of assembled IR objectives. In: Huckridge DA; Ebert R; Gruneisen MT; Dusek M; Rarity JG, eds, *Proceedings of SPIE Conference on Electro-Optical and Infrared Systems - Technology and Applications XII and Quantum Information Science and Technology*, SEP 22-23, 2015 Toulouse, France, 2015, Vol. 9648: Article Number: 96480D
- Luehr M, Bachet J, Mohra F.-W, Etza CD. Modern temperature management in aortic arch surgery: The dilemma of moderate hypothermia. *European Journal of Cardio-thoracic Surgery* 2014; 45 (1), art. no. ezt154: 27-39.
- Luehr M, Etz CD. Moderate-to-mild hypothermia may not be sufficient to protect the spinal cord during aortic arch surgery. *European Journal of Cardio-thoracic Surgery* 2014; 45 (4), art. no. ezt349, p. 767.
- Luers JC, Petry-Schmelzer JN, Hein WG, Gostian A-O, Hüttenbrink K-B, Beutner D. Fragmentation of salivary stones with a 980nm diode laser. *Auris Nasus Larynx* 2014; 41 (1): 76- 80.
- Lui B, Cuddy JS, Hailes WS, Ruby BC. Seasonal heat acclimatization in wildland firefighters. *Journal of Thermal Biology* 2014; 45: 134-140.
- Luk A, Nouizi F, Erkol H, Unlu M.B, Gulsen G Ex vivo validation of photo-magnetic imaging,. *Optics letters* 2017, 42(20) 4171-4174.
- Luk AT, Nouizi F, Marks M, Kart T, Gulsen G. Monitoring gold nanoparticle distribution with high resolution using photo-magnetic imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9706, art no 97060M
- Lumb AB, McLure HA. AAGBI recommendations for standards of monitoring during anaesthesia and recovery 2015 - A further example of 'aggregation of marginal gains'. *Anaesthesia* 2016; 71 (1) 3-6
- Lundgren K, Kuklane K, Venugopal V. Occupational heat stress and associated productivity loss estimation using the PHS model (ISO 7933): A case study from workplaces in Chennai India. *Global Health Action* 2014; 7 (1), art. no. 25283.
- Lundgren P, Henriksson O, Kuklane K, Holmér I, Naredi P, Björnstig U. Validity and reliability of the Cold Discomfort Scale: A subjective judgement scale for the assessment of patient thermal state in a cold environment. *Journal of Clinical Monitoring and Computing* 2014; 28 (3) 287-291.
- Lundgren-Kownacki K, Martínez N, Johansson B, Psikuta A, Annaheim S, Kuklane K. Human responses in heat – comparison of the Predicted Heat Strain and the Fiala multi-node model for a case of intermittent work. *Journal of Thermal Biology* 2017, 70: 45-52.
- Lunt H, Tipton M. Differences in conductive foot cooling: a comparison between males and females. *European Journal of Applied Physiology* 2014; 114 (12): 2635-2644.
- Luo J, Clarin B-M, Borissov IM, Siemers BM. Are torpid bats immune to anthropogenic noise? *Journal of*
- Lusk CH, Clearwater MJ. Leaf temperatures of divaricate and broadleaved tree species during a frost in a North Island lowland forest remnant New Zealand. *New Zealand Journal of Botany* 2015; 53 (4): 202-209
- Lusk CH, Clearwater MJ. Leaf temperatures of divaricate and broadleaved tree species during a frost in a North Island lowland forest remnant New Zealand. *New Zealand Journal of Botany* 2015; 53 (4): 202-209
- Lutaif NA, Palazzo JR, R, Gontijo JAR. Early detection of metabolic and energy disorders by thermal time series stochastic complexity analysis. *Brazilian Journal of Medical and Biological Research* 2014; 47 (1) 70-79.
- Lutz EA, Reed RJ, Turner D, Littau SR. Occupational heat strain in a hot underground metal mine. *Journal of Occupational and Environmental Medicine* 2014; 56 (4): 388-396.

- Luyen H, Gao F, Hagness SC, Behdad N. Microwave ablation at 10.0 GHz achieves comparable ablation zones to 1.9 GHz in Ex vivo bovine liver. *IEEE Transactions on Biomedical Engineering* 2014; 61 (6) Art. No. 6714413, 1702-1710.
- Luzzi R, Belcaro G, Dugall M. Idiopathic benign transient neck pain: Effects of a Pycnogenol® thin patch. *Minerva Ortopedica e Traumatologica* 2016; 67 (3) 131-136
- Lyon PC, Griffiths LF, Lee J, Chung D, Carlisle R, Wu F, Middleton MR, Gleeson FV, Coussios CC. Clinical trial protocol for TARDOX: A phase I study to investigate the feasibility of targeted release of lyso-thermosensitive liposomal doxorubicin (ThermoDox®) using focused ultrasound in patients with liver tumours. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 28.
- M. Effects of water-filtered infrared-A and of heat on cell death inflammation antioxidative potential and of free radical formation in viable skin - First results. *Journal of Photochemistry and Photobiology B: Biology* 2014; 138: 347-354.
- M. High intensity focused ultrasound induced in vivo large volume hyperthermia under 3D MRI temperature control. *Medical Physics* 2016; 43 (3) 1539-1549
- M. Ion jelly conductive properties using dicyanamide-based ionic liquids. *Journal of Physical Chemistry B* 2014; 118 (31): 9445-9459.
- M. Thermographic profile of soccer players' lower limbs. *Revista Andaluza de Medicina del Deporte* 2014; 7 (1): 1-6.
- Ma BQ, Zhou ZG, Zhao HX, Zhang DM, Liu WP. Characterisation of inclusions and disbands in honeycomb composites using non-contact non-destructive testing techniques. *Insight* 2015; 57 (9): 499-507
- Ma C-M, Chen X, Cvetkovic D, Chen L. An in-vivo investigation of the therapeutic effect of pulsed focused ultrasound on tumor growth. *Medical Physics* 2014; 41 (12), art. no. 122901.
- Ma J, Wu X, Li J, Wang Z, Wang Y Prognostic value of early response assessment using (18F)FDG-PET in patients with advanced non-small cell lung cancer treated with tyrosine-kinase inhibitors. *Journal of Investigative Medicine* 2017, 65(5) 935-941.
- Mabry N, Seracino R, Peters K. Pulse Phase Thermography inspection of Bond Defects in Environmentally Conditioned FRP-to-Concrete Specimens. In: Chang FK, Kopsaftopoulos F, eds, *Structural Health Monitoring 2015: System Reliability For Verification, and Implementation*, Vols. 1 and 2, 2015: 424-431
- Mabry NI, Peters KI, Seracino R, Seracino Rudolf. Depth Detection of Bond Defects in Multilayered Externally Bonded CFRP-to-Concrete Using Pulse Phase Thermography. *Journal of Composites For Construction* 2015; 19 (6) 04015002
- Macarios TD, Barbosa JR. Infrared thermal imaging analysis of a 1-kW variable capacity compressor frequency inverter. *Journal of The Brazilian Society of Mechanical Sciences and Engineering* 2015; 37 (1): 275-284
- Macchi EG, Tosi D, Braschi G, Gallati M, Cigada A, Busca G, Lewis E. Optical fiber sensors- based temperature distribution measurement in ex vivo radiofrequency ablation with submillimeter resolution. *Journal of Biomedical Optics* 2014; 19 (11) Art. No. 117004.
- Macdonald A, Petrova N, Ainarkar S, Allen J, Plassmann P, Whittam A, Bevans J, Ring F, Kluwe B, Simpson R, Rogers L, Machin G, Edmonds M. Thermal symmetry of healthy feet: A precursor to a thermal study of diabetic feet prior to skin breakdown. *Physiological Measurement* 2017, 38 (1): 33-44.
- MacDonald L, Hazi A, Paolini AG, Kent S. Calorie restriction dose-dependently abates lipopolysaccharide- induced fever sickness behavior and circulating interleukin-6 while increasing corticosterone. *Brain Behavior and Immunity* 2014; 40, 18-26.
- Mach J, Van Havel T, Gadwood J, Biegner A. Intrathecal opioid-induced hypothermia following subarachnoid block with morphine injection for elective cesarean delivery: A case report. *AANA Journal* 2016; 84 (1) 23-26
- Machado GAS. Identifying breast health risks and monitoring early intervention and treatment using MammoVision (abstract). *Thermology international* 2015, 25(1) 23-24
- Machado MAC, Silva JAF, Brioschi ML, Allemann N. Using thermography for an obstruction of the lower lacrimal system. *Arquivos Brasileiros de Oftalmologia* 2016; 79 (1) 46-47
- Machado VS, De Souza Bicalho ML, De Souza Meira JR, EB, Rossi R, Ribeiro BL, Lima S, Santos T, Kussler A, Foditsch C, Ganda EK, Oikonomou G, Cheong SH, Gilbert RO, Bicalho RC. Subcutaneous immunization with inactivated bacterial components and purified protein of *Escherichia coli* Fusobacterium necrophorum and *Trueperella pyogenes* prevents puerperal metritis in holstein dairy cows. *PLoS ONE* 2014; 9 (3) Art. No. e91734.
- Machin G, Whittam A, Ainarkar S, Allen J, Bevans J, Edmonds M, Kluwe B, Macdonald A, Petrova N, Plassmann P, Ring F, Rogers L, Simpson R. A medical thermal imaging device for the prevention of diabetic foot ulceration. *Physiological Measurement* 2017, 38 (3): 420-430.
- Machura W, Rustecki B, Klimkiewicz J, Mozanski M, Jung A, Kalicki B. Infrared evaluation of efficacy of thoracic paravertebral block - preliminary study (extended abstract). *Thermology international* 2015, 25(2) 70-72.
- Macias D, Stips A, Garcia-Gorriz E. Application of the singular spectrum analysis technique to study the recent

hiatus on the global surface temperature record. *PLoS ONE* 2014; 9 (9), art. no. e107222.

MacKowiak PA, Morgan DJ. Feel the heat: A short history of body temperature. *BMJ (Online)*, 2017, 359, art. no. j5697.

MacRae BA, Laing RM, Wilson CA, Niven BE. Layering garments during rest and exercise in the cold (8°C): Wearer responses and comparability with selected fabric properties. *Ergonomics* 2014; 57 (2): 271- 281.

Madankan R, Stefan W, Fahrenholtz SJ, Maclellan CJ, Hazle JD, Stafford RJ, Weinberg JS, Rao G, Fuentes D. Accelerated magnetic resonance thermometry in the presence of uncertainties. *Physics in Medicine and Biology* 2017, 62 (1): 214-245.

Madder RD, Khan M, Husaini M, Chi M, Dionne S, Vanoosterhout S, Borgman A, Collins JS, Jacoby M. Combined near-infrared spectroscopy and intravascular ultrasound imaging of pre-existing coronary artery stents: Can near-infrared spectroscopy reliably detect neoatherosclerosis? *Circulation: Cardiovascular Imaging* 2016; 9 (1), art no e003576

Madhu H, Kakileti ST, Venkataramani K, Jabbireddy S. Extraction of medically interpretable features for classification of malignancy in breast thermography. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS 2016; 2016-October* art no 7590886 1062- 1065

Maeda Y, Kumagai H, Lacson R, Figueroa MS, Yamashina T, Ohkura T, Baloloy AV. A phreatic explosion model inferred from a very long period seismic event at Mayon Volcano Philippines. *Journal of Geophysical Research-Solid Earth* 2015; 120 (1): 226-242 ()

Maerz T, Fleischer M, Newton MD, Davidson A, Salisbury M, Altman P, Kurdziel MD, Anderson K, Bedi A, Baker KC. Acute mobilization and migration of bone marrow-derived stem cells following anterior cruciate ligament rupture. *Osteoarthritis and Cartilage* 2017, 25 (8): 1335-1344.

Magalhaes MF, Dibaj AV, Guirro ECD, Girasol CE, de Oliveira AK, Dias FRC, Guirro RRDJ. Evolution of Skin Temperature after the Application of Compressive Forces on Tendon Muscle and Myofascial Trigger Point. *PLOS One* 2015; 10 (6) e0129034

Magaña IB, Adhikari P, Yendluri RB, Goodrich GP, Schwartz JA, O'Neal DP. The use of real-time optical feedback to improve outcomes. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 8955, Art. No. 89550R.

Magdassi S, Bar-David S, Friedman-Levi Y, Zigmund E, Varol C, Lahat G, Klausner J, Eyal S, Nizri E. Intraoperative Localization of Rectal Tumors Using Liposomal Indocyanine Green. *Surgical Innovation* 2017, 24 (2): 139-144.

magnetic molecularly imprinted polymer for the selective extraction and trace detection of lamotrigine in urine and plasma samples. *Journal of Separation Science* 2014; 37 (13) 1610-1616.

Magota C, Sawatari H, Ando S-I, Nishizaka MK, Tanaka K, Horikoshi K, Hoashi I, Hashiguchi N, Ohkusa T, Chishaki A. Seasonal ambient changes influence inpatient falls. *Age and Ageing* 2017, 46 (3), art. no. afw254: 513-517.

Mahajan MP, Gholap AH. A study of interrelationship between severity of knee joint pain perceived with reference to changes in climate. *International Journal of Research in Ayurveda and Pharmacy* 2017, 8 (Supplement 1) 51-56.

Mahe G, Liedl DA, McCarter C, Shepherd R, Gloviczki P, McPhail IR, Rooke TW, Wennberg PW. Digital obstructive arterial disease can be detected by laser Doppler measurements with high sensitivity and specificity. *Journal of Vascular Surgery* 2014; 59 (4): 1051-1057E1.

Maher P, Utarnachitt R, Louzon MJ, Gary R, Sen N, Hess JR. Logistical Concerns for Prehospital Blood Product Use by Air Medical Services. *Air Medical Journal* 2017, 36 (5): 263-267.

Mahjoubi E, Amanlou H, Mirzaei-Alamouti HR, Aghaziarati N, Yazdi MH, Noori GR, Yuan K, Baumgard LH. The effect of cyclical and mild heat stress on productivity and metabolism in Afshari lambs. *Journal of animal science* 2014; 92 (3): 1007-1014.

Mahmoudzadeh E, Montazeri MA, Zekri M, Sadri S. Extended hidden Markov model for optimized segmentation of breast thermography images. *Infrared Physics & Technology* 2015; 72: 19-28

Mahn F, Hüllemann P, Wasner G, Baron R, Binder A. Topical high-concentration menthol: Reproducibility of a human surrogate pain model. *European Journal of Pain (United Kingdom)* 2014; 18 (9) 1248-1258.

Maida V, Cheung JTW. Looking beyond the cell in cellulitis. *Advances in Skin and Wound Care* 2017, 30 (5): 209-212.

Maidhof R, Rafiuddin A, Chowdhury F, Jacobsen T, Chahine NO. Timing of mesenchymal stem cell delivery impacts the fate and therapeutic potential in intervertebral disc repair. *Journal of Orthopaedic Research* 2017, 35 (1): 32-40.

Maierhofer C, Rollig M, Steinfurth H, Meinhardt J, Arnold T. Inspection of safety relevant delaminations of facade elements using active thermography. *Bautechnik* 2015; 92 (10): 677-682

Mainiero MB, Lourenco A, Mahoney MC, Newell MS, Bailey L, Barke LD, D'Orsi C, Harvey JA, Hayes MK, Huynh PT, Jokich PM, Lee S-J, Lehman CD, Mankoff DA, Nepute JA, Patel SB, Reynolds HE, Sutherland ML, Haffty BG.

- ACR Appropriateness Criteria Breast Cancer Screening. *Journal of the American College of Radiology* 2016; 13 (11) R45-R49
- Mair P, Brugger H, Mair B, Moroder L, Ruttmann E. Is extracorporeal rewarming indicated in avalanche victims with unwitnessed hypothermic cardiorespiratory arrest? *High Altitude Medicine and Biology* 2014; 15 (4): 500-503.
- Maiti R. PMV model is insufficient to capture subjective thermal response from Indians. *International Journal of Industrial Ergonomics* 2015, 44 (3): 349-361.
- Majewsky V, Scherr C, Schneider C, Arlt SP, Baumgartner S. Reproducibility of the effects of homeopathically potentised *Argentum nitricum* on the growth of *Lemna gibba* L. in a randomised and blinded bioassay. *Homeopathy* 2017, 106 (3): 145-154.
- Mäkinen M-T, Pesonen A, Jousela I, Päiväranta J, Poikajärvi S, Albäck A, Salminen U-S, Pesonen E. Novel Zero-Heat-Flux Deep Body Temperature Measurement in Lower Extremity Vascular and Cardiac Surgery. *Journal of Cardiothoracic and Vascular Anesthesia* 2016; 30 (4) 973-978
- Makrariya A, Adlakha N. Quantitative study of thermal disturbances due to nonuniformly perfused tumors in peripheral regions of women's breast. *Cancer Informatics* 2017, 16.
- Matecki R, Gacka M, Boratynska M, Dumas I, Jablęcki J, Chelmoński A, Dumas ŽF, Adamiec R, Klinger M. Assessment of vascular function of hand allografts. *Annals of Transplantation* 2014; 19 (1): 621-628.
- Maletzki J, Adzikah S, Rüggeger C, Bassler D. Admission hypo- and hyperthermia are associated with increased mortality and morbidity in very preterm infants. *Acta Paediatrica International Journal of Paediatrics* 2017, 106 (3), p. 519.
- Maley MJ, Eglin CM, House JR, Tipton MJ. The effect of ethnicity on the vascular responses to cold exposure of the extremities. *European Journal of Applied Physiology* 2014; 114 (11): 2369- 2379.
- Malik FT, Thomas RA, Clement RM, Gethin DT, Krawszik W, Parker AR. Infrared study of dew harvesting cacti spines. *Thermology international* 2015, 25(1) 7-13
- Malskat WSJ, Stokbroekx MAL, Van Der Geld CW M, Nijsten TE.C, Van Den Bos RR. Temperature profiles of 980- and 1,470-nm endovenous laser ablation endovenous radiofrequency ablation and endovenous steam ablation. *Lasers in Medical Science* 2014; 29 (2): 423-429.
- Management System 2000. *Korean Journal of Anesthesiology* 2014; 67 (4): 264-269.
- Manard BT, Matonic J, Montoya D, Jump R, Castro A, Xu N. Assessment of the excitation temperatures and Mg II:I line ratios of the direct current (DC) arc source for the analysis of radioactive materials. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 312 (2): 385-393.
- Mandal S, Mandal A. Separation of no-carrier-added $^{99m}\text{TcO}_4^-$ - From ^{99}Mo - ^{99m}Tc equilibrium mixture by PEG based aqueous biphasic separation technique using sodium/potassium salts of citric and tartaric acid. *Journal of Radioanalytical and Nuclear Chemistry* 2014; 299 (3): 1225- 1230.
- Mani G, Danasekaran R, Annadurai K. Controlled temperature chain: Reaching the unreached in resource-limited settings. *Bangladesh Journal of Medical Science* 2017, 16 (3): 477-479.
- Maniar N, Bach AJE, Stewart IB, Costello JT. The effect of using different regions of Interest on local and mean skin temperature. *Journal of Thermal Biology* 2015; 49-50: 33-38
- Maniewska J, Szcześniak-Si Ga B, Poła A, Sroda-Pomianek K, Malinka W, Michalak K. The interaction of new piroxicam analogues with lipid bilayers - A calorimetric and fluorescence spectroscopic study. *Acta Poloniae Pharmaceutica - Drug Research* 2014; 71 (6) 1004-1012.
- manipulation and measurement of whole-hand and whole-foot blood flows. *Physiological Measurement* 2014; 35 (9): 1781-1795.
- Manoogian S, Lee AK, Widmaier JC. The Effect of Insertion Technique on Temperatures for Standard and Self-Drilling External Fixation Pins. *Journal of Orthopaedic Trauma* 2017, 31 (8): e247-e251.
- Mao D, Liu J, Ji S, Wang T, Hu Y, Zheng D, Yang R, Kong D, Ding D Amplification of near-infrared fluorescence in semiconducting polymer nanoprobe for grasping the behaviors of systemically administered endothelial cells in ischemia treatment. *Biomaterials* 2017, 143: 109-119
- Mao Z-H, Wu Y-C, Zhang X-X, Gao H, Yin J-H. Comparative study on identification of healthy and osteoarthritic articular cartilages by fourier transform infrared imaging and chemometrics methods. *Journal of Innovative Optical Health Sciences* 2017, 10 (3), art. no. 1650054.
- Mao Z-H, Wu Y-C, Zhang X-X, Gao H, Yin J-H. Comparative study on identification of healthy and osteoarthritic articular cartilages by fourier transform infrared imaging and chemometrics methods. *Journal of Innovative Optical Health Sciences* Article in Press
- Maraie NK, Alhamdany AT, Radhi AA. Efficacy of combination solid dispersion technology on dissolution performance of nalidixic acid and cefdinir. *Asian Journal of Pharmaceutical and Clinical Research* 2017, 10 (4): 394-401.
- Marchetti M, Boucher V, Dumoulin J, Colomb M. Retrieving visibility distance in fog combining infrared thermography Principal Components Analysis and Partial Least-Square regression. *Infrared Physics & Technology*

2015; 71: 289-297

Marcondes GD, Nobrega FS, Pedron BG, Cortopassi SRG, Hagen SCF, De Zoppa ALD. Use of Non- invasive Imaging Methods for Evaluation of Bone Regeneration in Bone Defects induced Experimentally in III/IV Metacarpus of Sheep. *Acta Scientiae Veterinariae* 2015; 43; 1319

Margarit JM, Vergara G, Villamayor V, Gutierrez-Alvarez R, Fernandez-Montojo C, Teres L, Serra-Graells

Margarit SC, Vasian HN, Balla E, Vesa S, Ionescu DC. The influence of total intravenous anaesthesia and isoflurane anaesthesia on plasma interleukin-6 and interleukin-10 concentrations after colorectal surgery for cancer A randomised controlled trial. *European Journal of Anaesthesiology* 2014; 31 (12) 678-684.

Marianovic E, Howell K. Thermal camera performance at six sites (extended abstract). *Thermology international* 2016, 26 (Supplement) S10

Marinetti S, Rossetti A, Ferrari F, Minetto S. Air curtain temperature measurement in an open refrigerated display cabinet by IR thermography. *Quantitative Infrared Thermography Journal* 2015; 12 (1): 53-63

Marins JCB, De Andrade Fernandes A, Moreira DG, Silva FS, Costa CMA, Pimenta EM, Sillero- Quintana

Marins JCB, Fernandes AA, Cano SP, Moreira DG, da Silva FS, Costa CMA, Fernandez-Cuevas I, Sillero-Quintana M. Thermal body patterns for healthy Brazilian adults (male and female). *Journal of Thermal Biology* 2014; 42 (1) 1-8.

Marins JCB, Formenti D, Costa CMA, Fernandes AD, Sillero-Quintana M. Circadian and gender differences in skin temperature in militaries by thermography. *Infrared Physics & Technology* 2015; 71: 322-328

Marjanovic E, Howell K. Thermal camera performance at six sites- the valids study experience (abstract). *Thermology international* 2016, 26(2) 63-64

Markota A, Košir AS, Balažič, P, Živko I, Sinkovič, A. A Novel Esophageal Heat Transfer Device for Temperature Management in an Adult Patient with Severe Meningitis. *Journal of Emergency Medicine* 2017, 52 (1): e27-e28.

Marković, A, Lazić, Z, Mišić, T, Šćepanović, M, Todorović, A, Thakare K, Janjić, B, Vlahović, Z, Glišić, M. Effect of surgical drill guide and irrigans temperature on thermal bone changes during drilling implant sites - Thermographic analysis on bovine ribs [Uticaj hirurškog stenta i temperature irigansa na termičke promene u kosti tokom preparacije ležišta implantata - Termografska analiza na goveđim rebrima]. *Vojnosanitetski Pregled* 2016; 73 (8) 744-750

Marquez-Curtis LA, Sultani AB, McGann LE, Elliott JAW. Beyond membrane integrity: Assessing the functionality of human umbilical vein endothelial cells after cryopreservation. *Cryobiology* 2016; 72 (3) 183- 190

Marroquin BB, Wolf TG, Schurger D, Willershausen B. Thermoplastic Properties of Endodontic Gutta- percha: A Thermographic in Vitro Study. *Journal of Endodontics* 2015; 41 (1): 79-82

Marschner JA, Schäfer H, Holderied A, Anders H-J. Optimizing mouse surgery with online rectal temperature monitoring and preoperative heat supply Effects on post-ischemic acute kidney injury. *PLoS ONE* 2016; 11 (2), art no e0149489

Marsh AG, Pasqualone AA. DNA methylation and temperature stress in an Antarctic polychaete *Spiophanes tcherniai*. *Frontiers in Physiology* 2014; Art. No. 00173.

Martin JW, Patel RM, Okhunov Z, Vyas A, Vajgrt D, Clayman RV. Multipoint thermal sensors associated with improved oncologic outcomes following cryoablation. *Journal of Endourology* 2017, 31 (4): 355-360.

Martinelli A, Bakry A, D'Ilario L, Francolini I, Piozzi A, Taresco V. Release behavior and antibiofilm activity of usnic acid-loaded carboxylated poly(l-lactide) microparticles. *European Journal of Pharmaceutics and Biopharmaceutics* 2014;88 (2) 415-423.

Martínez YN, Cavello I, Cavalitto S, Illanes A, Castro GR. Studies on PVA pectin cryogels containing crosslinked enzyme aggregates of keratinase. *Colloids and Surfaces B: Biointerfaces* 2014; 117, 284-289.

Martini M, Perez-Marcos D, Sanchez-Vives MV. Modulation of pain threshold by virtual body ownership. *European Journal of Pain (United Kingdom)* 2014; 18 (7): 1040-1048.

Marui S, Misawa A, Tanaka Y, Nagashima K. Assessment of axillary temperature for the evaluation of normal body temperature of healthy young adults at rest in a thermoneutral environment. *Journal of Physiological Anthropology* 2017, 36 (1), p. 18.

Maruthachalam BV, El-Sayed A, Liu J, Sutherland AR, Hill W, Alam MK, Pastushok L, Fonge H, Barreto K, Geyer CR. A Single-Framework Synthetic Antibody Library Containing a Combination of Canonical and Variable Complementarity-Determining Regions. *ChemBioChem* 2017, 18(22) 2247-2259

Marx M, Butts Pauly K. Improved MRI thermometry with multiple-echo spirals. *Magnetic Resonance in Medicine* 2016; 76 (3) 747-756

Marx M, Ghanouni P, Butts Pauly K. Specialized volumetric thermometry for improved guidance of MRgFUS in brain. *Magnetic Resonance in Medicine* 2017, 78 (2): 508-517.

Marx M, Ghanouni P, Butts Pauly K. Specialized volumetric thermometry for improved guidance of MRgFUS in brain. *Magnetic Resonance in Medicine Article in Press*

Marzec M, Koprowski R, Wrobel Z, Kleszcz A, Wilczynski S. Automatic method for detection of characteristic areas in thermal face images. *Multimedia Tools and Applications* 2015; 74 (12): 4351-4368

Masci M, Wang M, Imbert L, Barnes AM, Spevak L, Lukashova L, Huang Y, Ma Y, Marini JC, Jacobsen CM, Warman ML, Boskey AL. Bone mineral properties in growing Col1a2+/G610C mice an animal model of osteogenesis imperfecta. *Bone* 2016; 87 120-129

Mason TM, Boubekri A, Lalau J, Patterson A, Hartranft SR, Sutton SK. Equivalence Study of Two Temperature-Measurement Methods in Febrile Adult Patients with Cancer. *Oncology Nursing Forum* 2017, 44(2) E82-E87.

Masoodi I. Splenic tuberculosis: Report of two cases and literature review. *British Journal of Medical Practitioners* 2017, 10(1) Article Number: a1001.

Massad IM, Dumour EA, Abeeleh MA, Al-Smady M. Anesthetic management of simultaneous coronary artery bypass grafting with cardiopulmonary bypass and extended thymectomy in a patient with myasthenia gravis. *Jordan Medical Journal* 2014; 48 (3) 171-180.

Masuda S, Hosoda S. Effective design of profiling float network for oceanic heat-content monitoring. *The Scientific World Journal* 2014; 2014, art. no. 340518.

Matos F, Neves EB, Norte M, Rosa C, Reis VM, Vilaca-Alves J. The use of thermal imaging to monitoring skin temperature during cryotherapy: A systematic review. *Infrared Physics & Technology* 2015; 73: 194- 203

Matsui T, Yoshida Y, Yanagihara M, Suenaga H. Hypothermia at 35°C reduces the time- dependent microglial production of pro-inflammatory and anti-inflammatory factors that mediate neuronal cell death. *Neurocritical Care* 2014; 20 (2): 301-310.

Matsui Y, Murayama R, Tanabe H, Oe M, Motoo Y, Wagatsuma T, Michibuchi M, Kinoshita S, Sakai K, Konya C, Sugama J, Sanada H Evaluation of the Predictive Validity of Thermography in Identifying Extravasation with Intravenous Chemotherapy Infusions, *Journal of Infusion Nursing* 2017, 40(6) 367-374.

Matsumoto S, Shimodozono M, Etoh S, Noma T, Uema T, Ikeda K, Miyara K, Tanaka N, Kawahira K. Anti- spastic effects of footbaths in post-stroke patients: A proof-of-principle study. *Complementary Therapies in Medicine* 2014; 22 (6): 1001-1009.

Matsumoto Y, Nakano J, Oga S, Kataoka H, Honda Y, Sakamoto J, Okita M. The Non-Thermal Effects of Pulsed Ultrasound Irradiation on the Development of Disuse Muscle Atrophy in Rat Gastrocnemius Muscle. *Ultrasound in Medicine and Biology* 2014;40 (7) 1578-1586.

Matteoli S, Favuzza E, Mazzantini L, Aragona P, Cappelli S, Corvi A, Mencucci R. Ocular surface temperature in patients with evaporative and aqueous-deficient dry eyes: A thermographic approach. *Physiological Measurement* 2017, 38 (8): 1503-1512.

Matthews B, Wilkinson M, McEwen P, Hazratwala K, Doma K, Manoharan V, Bahho Z, McEwen S. In Vivo Arthroscopic Temperatures: A Comparison Between 2 Types of Radiofrequency Ablation Systems in Arthroscopic Anterior Cruciate Ligament Reconstruction—A Randomized Controlled Trial. *Arthroscopy - Journal of Arthroscopic and Related Surgery* 2017, 33 (1): 165-172.

Matuszewich L, Carter S, Anderson EM, Friedman RD, McFadden LM. Persistent behavioral and neurochemical sensitization to an acute injection of methamphetamine following unpredictable stress. *Behavioural Brain Research* 2014; 272, 308-313.

Maurer F, Lorenz DJ, Pielsticker G, Volk T, Sessler DI, Baumbach JI, Kreuer S. Adherence of volatile propofol to various types of plastic tubing. *Journal of Breath Research* 2017, 11 (1), art. no. 016009.

Mayo I, Arts T, El-Habib A, Parres B. Two-Dimensional Heat Transfer Distribution of a Rotating Ribbed Channel at Different Reynolds Numbers. *Journal of Turbomachinery-Transactions of The ASME* 2015; 137 (3) 031002

Mazubert A, Taylor C, Aubin J, Poux M. Key role of temperature monitoring in interpretation of microwave effect on transesterification and esterification reactions for biodiesel production. *Bioresource Technology* 2014; 161: 270-279.

McCartney M. Margaret McCartney: Alarm overload makes a difficult job harder. *BMJ (Online)* 2017, 358, art. no. j3593.

McDaniel D, Fritz K, Machovcova A, Bernardy J. A focused monopolar radiofrequency causes apoptosis: A porcine model. *Journal of Drugs in Dermatology* 2014; 13 (11) 1336-1340.

McDonnell AC, Eiken O, Mekjavic PJ, Mekjavic IB. Circadian rhythm of peripheral perfusion during 10-day hypoxic confinement and bed rest. *European Journal of Applied Physiology* 2014; 114 (10): 2093-2104.

McDougall MP, Cheshkov S, Rispoli J, Malloy C, Dimitrov I, Wright SM. Quadrature transmit coil for breast imaging at 7 tesla using forced current excitation for improved homogeneity. *Journal of Magnetic Resonance Imaging* 2014; 40 (5) 1165-1173.

McGarr GW, Hartley GL, Cheung SS. Neither short-term sprint nor endurance training enhances thermal response to exercise in a hot environment. *Journal of Occupational and Environmental Hygiene* 2014; 11 (1): 47-53.

McGarr GW, Hodges GJ, Cheung SS. Between-day reliability of local thermal hyperemia in the forearm and index finger using single-point laser Doppler flowmetry. *Microcirculation* 2017, 24 (8), art. no. e12395.

McGee MP, Morykwas M, Campbell D, Hoge K, Argenta L. Interstitial-matrix edema in burns: Mechanistic insights from subatmospheric pressure treatment in vivo. *Wound Repair and Regeneration* 2014; 22 (1) 96- 102.

McGinn R, Kenny GP. Autonomic dysfunction associated with Type 1 diabetes: a role for fitness? *Clinical Autonomic Research* 2014; 24 (6): 249-251.

Mchill AW, Smith BJ, Wright KP. Effects of caffeine on skin and core temperatures alertness and recovery sleep during circadian misalignment. *Journal of Biological Rhythms* 2014; 29 (2): 131- 143.

Mcintosh GB, Colantonio A. Practical identification of moisture sources in building assemblies using Infrared thermography. In Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23, 2015, Baltimore MD, 2015; pp. 948507-948507-11.

McLaughlin JP, Paris JJ, Mintzopoulos D, Hymel KA, Kim JK, Cirino TJ, Gillis TE, Eans SO, Vitaliano GD, Medina JM, Krapf RC, Stacy HM, Kaufman MJ. Conditional Human Immunodeficiency Virus Transactivator of Transcription Protein Expression Induces Depression-like Effects and Oxidative Stress. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging* 2017, 2 (7): 599-609.

McManus C, Bianchini E, Paim TD, de Lima FG, Neto JB, Castanheira M, Esteves GIF, Cardoso CC, Dalcin VC. Infrared Thermography to Evaluate Heat Tolerance in Different Genetic Groups of Lambs. *Sensors* 2015; 15 (7): 17258-17273

McNamara G, Difilippantonio M, Ried T, Bieber FR. Microscopy and image analysis. *Current Protocols in Human Genetics* 2017: 4.4.1-4.4.89.

McNamara PJ, Engelberts D, Finelli M, Adeli K, Kavanagh BP. Vasopressin improves survival compared with epinephrine in a neonatal piglet model of asphyxial cardiac arrest. *Pediatric Research* 2014; 75 (6) 738-748.

Meade RD, Kenny GP. Are All Heat Loads Created Equal? *Medicine and Science in Sports and Exercise* 2017, 49 (9): 1796-1804.

Meade RD, Poirier MP, Flouris AD, Hardcastle SG, Kenny GP. Do the threshold limit values for work in hot conditions adequately protect workers? *Medicine and Science in Sports and Exercise* 2016; 48 (6) 1187- 1196

Meckler AN, Ziegler M, Millán MI, Breitenbach SFM, Bernasconi SM. Long-term performance of the Kiel carbonate device with a new correction scheme for clumped isotope measurements. *Rapid Communications in Mass Spectrometry* 2014; 28 (15): 1705-1715.

Medarova Z, Balcioğlu M, Yigit MV. Controlling RNA expression in cancer using iron oxide nanoparticles detectable by MRI and in vivo optical imaging. *Methods in Molecular Biology* 2016; 1372 163-179

Medicine 2014; 85 (12): 1170-1176.

Mediouni M, Schlatterer DR, Khoury A, Von Bergen T, Shetty SH, Arora M, Dhond A, Vaughan N, Volosnikov A. Optimal parameters to avoid thermal necrosis during bone drilling: A finite element analysis. *Journal of Orthopaedic Research* 2017, 35 (11): 2386-2391.

Medyanik IA, Volovik MG, Dydykin AV, Yashin KS, Kulakova KV, Bugrov SN, Karyakin NN. Intraoperative thermal control of perifocal edema in photodynamic therapy of malignant brain tumors. *Sovremennye Tehnologii v Medicine* 2016; 8 (3) 82-89

Mehdy MM, Ng PY, Shair EF, Saleh NIM, Gomes C. Artificial neural networks in image processing for early detection of breast cancer. *Computational and Mathematical Methods in Medicine* 2017, Article Number: 2610628.

Mehmood N, Hariz A, Fitridge R, Voelcker NH. Applications of modern sensors and wireless technology in effective wound management. *Journal of Biomedical Materials Research - Part B Applied Biomaterials* 2014; 102 (4): 885-895.

Mehta A, Rao JR, Fathima NN. Can green solvents be alternatives for thermal stabilization of collagen? *International Journal of Biological Macromolecules* 2014; 69: 361-368.

Mehta B, Khandekar S. Local experimental heat transfer of single-phase pulsating laminar flow in a square mini-channel. *International Journal of Thermal Sciences* 2015; 91: 157-166

Mehta OH, Barclay KL. Perioperative hypothermia in patients undergoing major colorectal surgery. 2014; *ANZ Journal of Surgery* 84 (7-8) 550-555.

Meir M, Bishara A, Mann A, Udi S, Portnoy E, Shmuel M, Eyal S. Effects of valproic acid on the placental barrier in the pregnant mouse: Optical imaging and transporter expression studies. *Epilepsia* 2016; 57 (6) e108-e112

Meldrum RJ, Millar P, Strahlendorf P. The cooling profile of hot-cooked mussels stored in domestic insulated coolers amongst food vendors in Prince Edward Island Canada. *International Journal of Environmental Health Research* 2014; 24 (2): 120-124.

Mele L, Konings S, Dona P, Evertz F, Mitterbauer C, Faber P, Schampers R, Jinschek JR. A MEMS-based heating holder for the direct imaging of simultaneous in-situ heating and biasing experiments in scanning/transmission electron microscopes. *Microscopy Research and Technique* 2016; 79 (4) 239-250

Melgosa S. Toe spacers to increase skin temperature (extended abstract). *Thermology international* 2015, 25(3) 119-120.

Mellier F, Morana A, Cheymol G, Destouches C, Di Salvo J, Girard S, Laffont G, Marin E. Irradiation campaign in

the EOLE critical facility of fiber optic Bragg gratings dedicated to the online temperature measurement in zero power research reactors. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465570

Mellish JA, Hindle A, Skinner J, Horning M. Heat loss in air of an Antarctic marine mammal the Weddell seal. *Journal of Comparative Physiology B-Biochemical Systemic and, Environmental Physiology* 2015; 185 (1): 143-152

Melnyk SI, Melnik SS. An algorithmic method of solving inverse problems of reconstruction of the macrostructure scattering media. 9th International Kharkiv Symposium on Physics and Engineering of Microwaves Millimeter and Submillimeter Waves MSMW 2016, art no 7538177

Memarian N, Blain-Moraes S, Chau T. Towards a physiological signal-based access solution for a non- verbal adolescent with severe and multiple disabilities. *Developmental Neurorehabilitation* 2014; 17 (4): 270-277.

Mendelsohn R, Selevany I, Moore DJ, Mack Correa MC, Mao G, Walters RM, Flach CR. Kinetic evidence suggests spinodal phase separation in stratum corneum models by IR spectroscopy. *Journal of Physical Chemistry B* 2014; 118 (16) 4378-4387.

Mendes R, Sousa N, Almeida A, Vilaca-Alves J, Reis VM, Neves EB. Thermography: a technique for assessing the risk of developing diabetic foot disorders. *Postgraduate Medical Journal* 2015; 91(1)079: 538-538

Mendez-Rial R, Souto-Lopez A, Rodriguez-Garcia J, Rodriguez-Araujo J, Garcia-Diaz A. A high-speed MWIR uncooled multi-aperture snapshot spectral imager for IR surveillance and monitoring. IST 2016 - 2016 IEEE International Conference on Imaging Systems and Techniques Proceedings art no 7738224 206-210

Mendioroz A, Castelo A, Celorrio R, Salazar A. Defect Characterization from Lock-in Vibrothermography Data. *International Journal of Thermophysics* 2015; 36(5-6): 1208-1216

Mendioroz A, Celorrio R, Salazar A. Characterization of rectangular vertical cracks using burst vibrothermography. *Review of Scientific Instruments* 2015; 86 (6) 064903

Mendt S, Maggioni MA, Nordine M, Steinach M, Opatz O, Belavý, D, Felsenberg D, Koch J, Shang P, Gunga H-C, Stahn A. Circadian rhythms in bed rest: Monitoring core body temperature via heat-flux approach is superior to skin surface temperature. *Chronobiology International* 2017, 34 (5): 666-676.

Mendt S, Maggioni MA, Nordine M, Steinach M, Opatz O, Belavý, D, Felsenberg D, Koch J, Shang P, Gunga H, Stahn A. Circadian rhythms in bed rest: Monitoring core body temperature via heat-flux approach is superior to skin surface temperature. *Chronobiology International* 1-11 Article in Press

Mendy M, Caboux E, Sylla BS, Dillner J, Chinquee J, Wild C. Infrastructure and facilities for human biobanking in low-and middle-income countries: A situation analysis. *Pathobiology* 2014; 81, 252-260.

Menegassi SRO, Barcelos JOJ, Dias EA, Koetz C, Pereira GR, Peripolli V, McManus C, Canozzi MEA, Lopes FG. Scrotal Infrared digital thermography as a predictor of seasonal effects on sperm traits in Braford bulls. *International Journal of Biometeorology* 2015; 59(3): 357-364

Meneghetti G, Ricotta M, Atzori B. Experimental evaluation of fatigue damage in two-stage loading tests based on the energy dissipation. *Proceedings of The Institution of Mechanical Engineers Part C-Journal of, Mechanical Engineering Science* 2015; 229 (7): 1280-1291

Menezes A, Gomes MG, Flores-Colen I. In-situ assessment of physical performance and degradation analysis of rendering walls. *Construction and Building Materials* 2015, 75, 283-292.

Meng Q, Heuzey M.-C, Carreau PJ. Hierarchical structure and physicochemical properties of plasticized chitosan. *Biomacromolecules* 2014; 15 (4): 1216-1224.

Menikou G, Damianou C. Acoustic and thermal characterization of agar based phantoms used for evaluating focused ultrasound exposures. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 14.

Menon M, Abaza R, Sood A, Ahlawat R, Ghani KR, Jeong W, Kher V, Kumar RK, Bhandari M. Robotic kidney transplantation with regional hypothermia: Evolution of a novel procedure utilizing the IDEAL guidelines (IDEAL phase 0 and 1). *European Urology* 2014; 65 (5): 1001-1009.

Menon M, Sood A, Bhandari M, Kher V, Ghosh P, Abaza R, Jeong W, Ghani KR, Kumar RK, Modi P, Ahlawat R. Robotic kidney transplantation with regional hypothermia: A step-by-step description of the vattikuti urology institute-medanta technique (IDEAL phase 2a). *European Urology* 2014; 65 (5) 991-1000.

Menzel A, Siewert C, Gasse H, Seifert H, Hoeltig D, Hennig-Pauka I. Infrared Thermography of the Pig Thorax: An Assessment of Selected Regions of Interest by Computed Tomographical and Anatomical Parameters. *Anatomia Histologia Embryologia* 2015; 44 (2): 107-117

Meola C, Boccardi S, Carlomagno GM, Boffa ND, Monaco E, Ricci F. Nondestructive evaluation of carbon fibre reinforced composites with Infrared thermography and ultrasonics. *Composite Structures* 2015; 134: 845-853

Meola C, Boccardi S, Carlomagno GM. Measurements of very small temperature variations with LWIR QWIP, Infrared camera. *Infrared Physics & Technology* 2015; 72: 195-203

Mercer J, Sjøberg T, .de Weerd L. Pre-, intra- and postoperative use of dynamic infrared thermography (DIRT) in breast reconstruction using a fascio-cutaneous pedicled perforator flap (extended abstract). *Thermology*

international 2015, 25(3) 103-104

Mercer JB, Høiland II, de Weerd L. The effect of oral uptake of nicotine on skin blood perfusion of the face and hands in snus users as determined by thermography (abstract). *Thermology international* 2015, 25(1) 29

Mercer JB, Weerd L. Passively induced mild hyperthermia- a novel approach to the thermographic evaluation of the circulatory status of the hands (abstract). *Thermology international* 2017; 27 (2) 71.

Merckel LG, Knuttel FM, Deckers R, van Dalen T, Schubert G, Peters NHGM, Weits T, van Diest PJ, Mali WPTM, Vaessen PHHB, van Gorp JMHH, Moonen CTW, Bartels LW, van den Bosch MAAJ. First clinical experience with a dedicated MRI-guided high-intensity focused ultrasound system for breast cancer ablation. *European Radiology* 2016; 26 (11) 4037-4046

Mercuri F, Cicero C, Orazj N, Paoloni S, Marinelli M, Zammit U. Infrared Thermography Applied to the Study of Cultural Heritage. *International Journal of Thermophysics* 2015; 36(5-6): 1189-1194

Mergler S, Valtink M, Takayoshi S, Okada Y, Miyajima M, Saika S, Reinach PS. Temperature- sensitive transient receptor potential channels in corneal tissue layers and cells. *Ophthalmic Research* 2014; 52 (3): 151-159.

Merino ML, Belmonte J, Rosas J, Acosta MC, Belmonte C, Gallar J. Corneal Infrared thermography and tear meniscus height in dry eye syndrome. *Investigative Ophthalmology & Visual Science* 2015; 56 (7) 315

Merla A, Cardone D, Pinti P, Di Donato L. "IRI – ImagePro©: A software tool for advanced processing of thermal IR imaging data (extended abstract). *Thermology international* 2015, 25(3) 98

Mesko NW, Lawrenz JM, Joyce MJ, Ilaslan H, Winalski CS. Minimally invasive techniques for pain palliation in extraspinal bone metastases: A review of magnetic resonance imaging-guided focused ultrasound (MRgFUS) and series conclusion. *Current Orthopaedic Practice* 2017, 28 (2): 213-219.

Messina G, Viggiano A, Chieffi S, Viggiano E, Tafuri D, De Luca V, Messina A, Monda M. Neuroleptic drugs affect sympathetic and thermogenic reactions to orexin A. *African Journal of Psychiatry (South Africa)* 2014; 17 (6), art. no. 1000172.

methylenedioxymethamphetamine toxicity. *Toxicological Sciences* 2014; 139 (1) Art. No. kfu035, 162-173.

Metzner M, Glas A, Sauter-Louis C, Petzl W, Zerbe H. Infrared thermography of the udder of cows after experimentally induced mastitis with *Escherichia coli* (abstract). *Thermology international* 2015, 25(1) 31- 32

Metzner M, Sauter-Louis C, Seemueller A, Petzl W, Klee W. Infrared thermography of the udder surface of dairy cattle: Characteristics methods and correlation with rectal temperature. *Veterinary Journal* 2014; 199 (1) 57-62.

Metzner M, Sauter-Louis C, Seemueller A, Petzl W, Zerbe H. Infrared thermography of the udder after experimentally induced *Escherichia coli* mastitis in cows. *Veterinary Journal* 2015; 204 (3): 360-362

Meusy A, Peyron P-A, Molinari N, Colomb S, Rondepierre L, Couderc P, Contiero J, Guillote M, Boumelita L, Lossois M, Baccino E. Preliminary study of the accuracy and the systematic bias of two infrared thermometers for early postmortem interval estimation: Can commercially available infrared thermometers be used to determine the time of death? [Étude préliminaire de l'exactitude et du biais systématique de deux thermomètres infrarouges pour l'estimation du délai post-mortem précoce: peut-on utiliser les thermomètres infrarouges commercialisés pour déterminer l'heure du décès?]. *Revue de Medecine Legale* 2017, 8 (3): 97-104.

Miccio J, Parikh S, Marinaro X, Prasad A, McClain S, Singer AJ, Clark RAF. Forward-looking infrared imaging predicts ultimate burn depth in a porcine vertical injury progression model. *Burns* 2016; 42 (2) 397-404

Michaelis KA, Zhu X, Burfeind KG, Krasnow SM, Lévasseur PR, Morgan TK, Marks DL. Establishment and characterization of a novel murine model of pancreatic cancer cachexia. *Journal of Cachexia Sarcopenia and Muscle* 2017, 8 (5): 824-838.

Michelotto PV, Kozemjak DA, Granatto De Oliveira EA. Thermography and saddle fitting. *Veterinary Record* 2016; 178 (7) 173-174

Micolon F, Courtois X, Aumeunier MH, Chenevois JP, Larroque S. Mechanical design and thermo- hydraulic simulation of the Infrared thermography diagnostic of the WEST tokamak. *Fusion Engineering and Design* 2015; 96-97: 865-868

Midttun M, Azad BBS, Broholm R, Jensen LT, Svarer C, Jensen PE. Heat-washout measurements compared to distal blood pressure and perfusion in orthopaedic patients with foot ulcers. *Clinical Physiology and Functional Imaging* 2017, 37 (1): 79-83.

Mieras ME, Heesch MWS, Slivka DR. Physiological and psychological responses to outdoor vs. laboratory cycling. *Journal of Strength and Conditioning Research* 2014; 28 (8): 2324-2329.

Mierzejewska EJ, Estrada-Peña A, Alsarraf M, Kowalec M, Bajer A. Mapping of Dermacentor reticulatus expansion in Poland in 2012-2014. *Ticks and Tick-borne Diseases* 2016; 7 (1) 94-106

Migout F, Brunetiere N, Tournier B. Study of the fluid film vaporization in the Interface of a mechanical face seal. *Tribology International* 2015; 92: 84-95

Mihalik JP, Sumrall AZ, Yeargin SW, Guskiewicz KM, King KB, Trulock SC, Shields EW. Environmental and physiological factors affect football head impact biomechanics. *Medicine and Science in Sports and Exercise* 2017, 49 (10): 2093-2101.

- Mihaljevic AL, Schirren R, Ozër M, Ottl S, Grün S, Michalski CW, Erkan M, Jäger C, Reiser-Erkan C, Kehl V, Schuster T, Roder J, Clauer U, Orlitsch C, Hoffmann TF, Lange R, Harzenetter T, Steiner P, Michalski M, Henkel K, Stadler J, Pistorius GA, Jahn A, Obermaier R, Unger R, Strunk R, Willeke F, Vogelsang H, Halve B, Dietl K.-H, Hilgenstock H, Meyer A, Krämling H.-J, Wagner M, Schoenberg MH, Zeller F, Schmidt J, Friess H, Kleeff J. Multicenter double-blinded randomized controlled trial of standard abdominal wound edge protection with surgical dressings versus coverage with a sterile circular polyethylene drape for prevention of surgical site infections A CHIR-net trial (BaFO; NCT01181206). *Annals of Surgery* 2014; 260 (5): 730-737.
- Mikhail AS, Negussie AH, Graham C, Mathew M, Wood BJ, Partanen A. Evaluation of a tissue-mimicking thermochromic phantom for radiofrequency ablation. *Medical Physics* 2016; 43 (7) 4304-4311
- Milardovi A, Tomuli KL, Verbi A, Raspor SF, Košuljandi Romi IŠ, Ahel IB. Premature twins with acute renal injury – it is not always what it seems to be: case report. *Paediatrica Croatica* 2017, 61 (4): 183-186.
- Miller JP. Comments. *Operative Neurosurgery* 2017, 13 (1): 21-22.
- Miller KC, Hughes LE, Long BC, Adams WM, Casa DJ. Validity of core temperature measurements at 3 rectal depths during rest exercise cold-water immersion and recovery. *Journal of Athletic Training* 2017, 52 (4): 332-338.
- Millesi M, Wolfsberger S. Magnetic Resonance-Guided Laser Ablation: A Viable Treatment Alternative for Recurrent Meningioma? *World Neurosurgery* 2017, 99: 779-781.
- Mills JL. Commentary: Is Deep Vein Arterialization for Limb-Threatening Ischemia Effective? A Novel Percutaneous Technique May Lead to an Answer. *Journal of Endovascular Therapy* 2017, 24 (5): 627-628.
- Milmo S. Europe leads the way in continuous manufacturing. *Pharmaceutical Technology Europe* 2017, 29(11) 8-9.
- Miloro P, Martin E, Shaw A. Temperature elevation measured in a tissue-mimicking phantom for transvaginal ultrasound at clinical settings. *Ultrasound* 2017, 25 (1): 6-15.
- Milosevic M, Jankovic D, Peulic A. Comparative analysis of breast cancer detection in mammograms and thermograms. *Biomedical Engineering-Biomedizinische Technik* 2015; 60 (1): 49-56
- Mineo S, Pappalardo G, Rapisarda F, Cubito A, Di Maria G. Structural seismic and Infrared thermography surveys for the study of an unstable rock slope in the Peloritani Chain (NE Sicily). *Engineering Geology* 2015; 195: 225-235
- Minett GM, Duffield R, Billaut F, Cannon J, Portus MR, Marino FE. Cold-water immersion decreases cerebral oxygenation but improves recovery after intermittent-sprint exercise in the heat. *Scandinavian Journal of Medicine and Science in Sports* 2014; 24 (4): 656-666.
- Minja FJ, Bhimani A, Wydra E. New techniques in MRI - Fluidattenuated inversion recovery (FLAIR) imaging diffusion tensor imaging (DTI), and MRI-guided laser-induced thermotherapy (LITT) for brain lesions. *International Anesthesiology Clinics* 2016; 54 (1) 94-108
- Minniti CP, Delaney K-MH, Gorbach AM, Xu D, Lee C.-CR, Malik N, Koroulakis A, Antalek M, Maivelett J, Peters-Lawrence M, Novelli EM, Lanzkron SM, Axelrod K.C, Kato GJ. Vasculopathy inflammation and blood flow in leg ulcers of patients with sickle cell anemia. *American Journal of Hematology* 2014; 89 (1): 1- 6.
- Minniti CP, Gorbach AM, Xu D, Hon YY, Delaney K-M, Seidel M, Malik N, Peters-Lawrence M, Cantilena C, Nichols JS, Mendelsohn L, Conrey A, Grimes G, Kato GJ. Topical sodium nitrite for chronic leg ulcers in patients with sickle cell anaemia: A phase 1 dose-finding safety and tolerability trial. *The Lancet Haematology* 2014; 1 (3) e95-e103.
- Minton J, Janney C, Akbarzadeh R, Focke C, Subramanian A, Smith T, McKinney J, Liu J, Schmitz J, James PF, Yousefi A-M. Solvent-free polymer/bioceramic scaffolds for bone tissue engineering: Fabrication analysis and cell growth. *Journal of Biomaterials Science Polymer Edition* 2014; 25 (16): 1856- 1874.
- Mintz GS. Vulnerable Plaque Detection: When OCT Is Not Enough. *JACC: Cardiovascular Imaging* 2016; 9 (2) 173-175
- Mireles J, Ridwan S, Morton PA, Hinojos A, Wicker RB. Analysis and correction of defects within parts fabricated using powder bed fusion technology. *Surface Topography-Metrology and Properties* 2015; 3 (3) 034002
- Mirigian LS, Makareeva E, Leikin S. Pulse-chase analysis of procollagen biosynthesis by azidohomoalanine labeling. *Connective Tissue Research* 2014; 55 (5-6) 403-410.
- Mirzaei PA, Carmeliet J. Influence of the underneath cavity on buoyant-forced cooling of the integrated photovoltaic panels in building roof: a thermography study. *Progress in Photovoltaics* 2015; 23 (1): 19-29
- Mishra S, Joshi S, Mallika C, Pandey NK. Physicochemical properties of PUREX solvent on hydrolytic and chemical treatment. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 2301-2308.
- Mishra S, Norton JJS, Lee Y, Lee D.S, Agee N, Chen Y, Chun Y, Yeo W-H Soft, conformal bioelectronics for a wireless human-wheelchair interface. *Biosensors and Bioelectronics* 2017, 91: 796-803.
- Misic B, Pieters BE, Schweitzer U, Gerber A, Rau U. Defect Diagnostics of Scribing Failures and Cu-Rich Debris in Cu(inGa)Se-2 Thin-Film Solar Modules with Electroluminescence and Thermography. *IEEE Journal of Photovoltaics* 2015; 5 (4): 1179-1187
- Misic B, Pieters BE, Schweitzer U, Gerber A, Rau U. Thermography and electroluminescence imaging of scribing

failures in Cu(inGa)Se-2 thin film solar modules. *Physica Status Solis Science* 2015; 212 (12): 2877-2888

Missios S, Bekelis K, Barnett GH. Renaissance of laser Interstitial thermal ablation. *Neurosurgical Focus* 2015; 38 (3) E13

Mitchell JB, Rogers MM, Basset JT, Hubing KA. Fatigue during high-Intensity endurance exercise: The interaction between metabolic factors and thermal stress. *Journal of Strength and Conditioning Research* 2014; 28 (7) 1906-1914.

mitochondrial diseases. *Journal of Cerebral Blood Flow and Metabolism* 2014; 34 (5): 915- 920.

Mittal S, Steinberg JS. The last shot for "one shot" pulmonary vein isolation with radiofrequency energy? *Journal of Cardiovascular Electrophysiology* 2014; 25 (4) 346-348.

Miura M, Makita S, Yasuno Y, Tsukahara R, Usui Y, Rao NA, Ikuno Y, Uematsu S, Agawa T, Iwasaki T, Goto H. Polarization-sensitive optical coherence tomographic documentation of choroidal melanin loss in chronic vogt-koyanagi-harada disease. *Investigative Ophthalmology and Visual Science* 2017, 58 (11): 4467-4476.

Miura Y, Takehara K, Nakagami G, Amemiya A, Kanazawa T, Kimura N, Kishij C, Koyano Y, Tamaj N, Nakamura T, Kawashima M, Tsunemj Y, Sanada H. Screening for tinea unguium by thermography in older adults with subungual hyperkeratosis. *Geriatrics & Gerontology International* 2015; 15 (8): 991-996

Mixa V, Kaplanová, V. Body temperature in the anaesthetised child [Tělesná teplota dítěte v průběhu anestezie]. *Anesteziologie a Intenzivní Medicina* 2016; 27 (5) 320-326

Miyazaki S, Nakamura H, Taniguchi H, Hachiya H, Takagi T, Igarashi M, Kajiyama T, Watanabe T, Niida T, Hirao K, Iesaka Y. Gastric hypomotility after second-generation cryoballoon ablation—Unrecognized silent nerve injury after cryoballoon ablation. *Heart Rhythm* 2017, 14 (5): 670-677.

Mizuno H, Fukumura A, Fukahori M, Sakata S, Yamashita W, Takase N, Yajima K, Katayose T, Abe- Sakama K, Kusano Y, Shimbo M, Kanai T. Application of a radiophotoluminescent glass dosimeter to nonreference condition dosimetry in the postal dose audit system. *Medical Physics* 2014; 41 (11) Art. No. 112104.

Moehrke M. Special developed and patented anatomy screening and interpretation software in clinical practice with help from fully automated robot (abstract). *Thermology international* 2015, 25(1) 19

Moen V, Brudin L, Rundgren M, Irestedt L. Osmolality and respiratory regulation in humans: Respiratory compensation for hyperchloremic metabolic acidosis is absent after infusion of hypertonic saline in healthy volunteers. *Anesthesia and Analgesia* 2014; 119 (4) 956-964.

Moeti M, Nandy R, Berkley S, Davis S, Levine O. No product no program: The critical role of supply chains in closing the immunization gap. *Vaccine* 2017, 35 (17): 2101-2102.

Moghadam P. 3D medical thermography device. In: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23 2015, Baltimore MD, 2015*; 94851J-94851J-8.

Mohajeri-Tehrani MR, Nasiripoor F, Torkaman G, Hedayati M, Annabestani Z. Effect of low- intensity direct current on expression of vascular endothelial growth factor and nitric oxide in diabetic foot ulcers. *Journal of Rehabilitation Research and Development* 2014; 51 (5) 815-824.

Mohamed AA, Disele TL, Ahmad I, Mohd S. Determination of Impact Damage Severity Level in Sheet Molding Compound Composite Material Using Thermography Method -A Preliminary Study. In: Mohamed AA, Idris FM, Hamzah K, Hasan AB, eds *AIP Conference Proceedings CT Nuclear Science Technology and Engineering Conference (NuSTEC) CY NOV 11-13, 2014, Univ Teknologi Malaysia Campus Skudaj Malaysia, 2015*; AR 040008

Mohamed IO. Enzymatic Synthesis of Cocoa Butter Equivalent from Olive Oil and Palmitic-Stearic Fatty Acid Mixture. *Applied Biochemistry and Biotechnology* 2014, 175 (2) 757-769.

Mohammadi AM, Schroeder JL. Laser interstitial thermal therapy in treatment of brain tumors-the NeuroBlate System. *Expert Review of Medical Devices* 2014; 11 (2) 109-119.

Mohammed JA, Balma-Mena A, Chakkittakandiyil A, Matea F, Pope E. Infrared thermography to assess proliferation and involution of infantile hemangiomas: A prospective cohort study. *JAMA Dermatology* 2014; 150 (9): 964-969.

Mohammed M, Ootsuka Y, Blessing W. Brown adipose tissue thermogenesis contributes to emotional hyperthermia in a resident rat suddenly confronted with an intruder rat. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 306 (6): R394- R400.

Mohan AT, Saint-Cyr M. Advances in imaging technologies for planning breast reconstruction. *Gland Surgery* 2016; 5 (2) 242-254

Mohanraj K, Balaji N, Chithrakkannan R IoT based patient monitoring system using raspberry pi 3 and Lab view. *Pakistan Journal of Biotechnology* 2017, 14(3) 337-343.

Mohanty S. Outcomes of atrio-esophageal fistula following catheter ablation of atrial fibrillation treated with surgical repair versus esophageal stenting. *Journal of Cardiovascular Electrophysiology* 2014; 25 (9), p.E6.

Möhlhenrich SC, Abouridouane M, Heussen N, Hölzle F, Klocke F, Modabber A. Thermal evaluation by infrared measurement of implant site preparation between single and gradual drilling in artificial bone blocks of different

densities. *International Journal of Oral and Maxillofacial Surgery* 2016; 45 (11) 1478- 1484

Möhlhenrich SC, Abouridouane M, Heussen N, Modabber A, Klocke F, Hölzle F. Influence of bone density and implant drill diameter on the resulting axial force and temperature development in implant burs and artificial bone: an in vitro study. *Oral and Maxillofacial Surgery* 2016; 20 (2) 135-142

Möhlhenrich SC, Modabber A, Steiner T, Mitchell DA, Holzle F. Heat generation and drill wear during dental implant site preparation: systematic review. *British Journal of Oral & Maxillofacial Surgery* 2015; 53 (8): 679-689

Mohr W. Letter to the Editor regarding the article "evaluation of complete Freund's adjuvant- induced arthritis in a Wistar rat model" [Leserbrief zum Beitrag "Beurteilung der durch Complete- Freund-Adjuvans induzierten Arthritis bei einem Wistar-Ratten-Modell"] *Zeitschrift für Rheumatologie* 2014; 73 (3): 285-286.

Mokha JS, Davidovics ZH. Improved Delivery of Fat from Human Breast Milk via Continuous Tube Feeding. *Journal of Parenteral and Enteral Nutrition* 2017, 41 (6): 1000-1006.

Molecular Pain 2014; 10 (1), art. no. 76.

Molecules 2016; 21 (8), art no 1003

Moles R It's time to change the way we monitor temperature in children. *Australian Journal of Pharmacy* 2017, 98(1167) 32.

Molgaat-Seon Y, Daboval T, Chou S, Jay O. Assessing neonatal heat balance and physiological strain in newborn infants nursed under radiant warmers in intensive care with fentanyl sedation. *European Journal of Applied Physiology* 2014; 114 (12): 2539-2549.

Molina WR, Silva IN, da Silva RD, Gustafson D, Sehr D, Kim FJ. Influence of Saline on Temperature Profile of Laser Lithotripsy Activation. *Journal of Endourology* 2015; 29 (2): 235-239

Molinari F, Rimini D, Liboni W, Acharya UR, Franzini M, Pandolfi S, Ricevuti G, Vaiano F, Valdenassi L, Simonetti V Cerebrovascular pattern improved by ozone autohemotherapy: an entropy-based study on multiple sclerosis patients. *Medical and Biological Engineering and Computing* 2017, 55(8) 1163-1175.

Moliné, A, Gálvez-García G, Fernández-Gómez J, De la Fuente J, Iborra O, Tornay F, Mata Martín JL, Puertollano M, Gómez Milán E. The Pinocchio effect and the Cold Stress Test: Lies and thermography. *Psychophysiology* 2017, 54 (11): 1621-1631.

Moll PJW, Kushwaha P, Nandi N, Schmidt B, Mackenzie AP. Evidence for hydrodynamic electron flow in PdCoO₂. *Science* 2016; 351 (6277) 1061-1064

Moncada J, Clark CB, Holden J, Hook EW, III, Gaydos CA, Schachter J. Stability studies on dry swabs and wet mailed swabs for detection of chlamydia trachomatis and neisseria gonorrhoeae in aptima assays. *Journal of Clinical Microbiology* 2017, 55 (3): 971-977.

Mondal SB, Gao S, Zhu N, Habimana-Griffin LM, Akers WJ, Liang R, Gruev V, Margenthaler J, Achilefu S. Optical See-Through Cancer Vision Goggles Enable Direct Patient Visualization and Real-Time Fluorescence-Guided Oncologic Surgery. *Annals of Surgical Oncology* 2017, 24 (7): 1897-1903.

Mongelluzzo J, Tu B, Grimes B, Ziyeh S, Fortman J, Neilson J, Rodriguez RM. Correlation of physical exam findings with fever in patients with skin and soft tissue infections. *Western Journal of Emergency Medicine* 2017, 18 (3): 398-402.

Monitoring and inspection of Advanced Materials Aerospace and Civil Infrastructure MAR 09-12, 2015, San Diego CA, 2015; pp. 943705-943705-10.

Monnard CR, Fares E-J, Calonne J, Miles-Chan JL, Montani J-P, Durrer D, Schutz Y, Dulloo AG. Issues in continuous 24-h core body temperature monitoring in humans using an ingestible capsule telemetric sensor. *Frontiers in Endocrinology* 2017, 8: Article Number: 130.

Montanholi YR, Lim M, Macdonald A, Smith BA, Goldhawk C, Schwartzkopf-Genswein K, Miller SP. Technological environmental and biological factors: referent variance values for Infrared imaging of the bovine. *Journal of Animal Science and Biotechnology* 2015; 6: AR 27

Montanholi YR. Using Infrared radiation to detect local inflammation in cattle. *Veterinary Record* 2015; 176(1)2: 306-307

Montanini R, Scimone T, De Caro S, Testa A. Full-frame Infrared thermal imaging of power electronics devices by means of multiple time-delayed measurements. *Quantitative Infrared Thermography Journal* 2015; 12(2): 149-161.

Monte GLS, Tadei WP, Farias TM. Ecoepidemiology and biology of eratyryus mucronatus stål 1859 (Hemiptera: Reduviidae: Triatominae), a sylvatic vector of chagas disease in the brazilian amazon *Revista da Sociedade Brasileira de Medicina Tropical* 2014; 47 (6): 723-727.

Montero R, Vicores JG, Martinez S, Jardon A, Balaguer C. Past present and future of robotic tunnel inspection. *Automation In Construction* 2015; 59: 99-112

Montesano J, Fawaz Z, Bougherara H. Non-destructive assessment of the fatigue strength and damage progression of satin woven fiber reinforced polymer matrix composites. *Composites Part B-Engineering* 2015; 71: 122-130

Moon JY, Choi JK, Shin JY, Chon SW, Dev S. A brief report on a technical description of ultrasound-guided lumbar

sympathetic block. *Korean Journal of Pain* 2017, 30 (1): 66-70.

Moon S-M, Kwon S-Y, Lim J-H. Minimization of temperature ranges between the top and bottom of an air flow controlling device through hybrid control in a plant factory *Scientific World Journal* 2014; 2014, art. no. 801590.

Mooney R, Schena E, Saccomandi P, Zhumkhawala A, Aboody K, Berlin JM. Gold nanorod-mediated near-infrared laser ablation: in vivo experiments on mice and theoretical analysis at different settings. *International Journal of Hyperthermia* 2017, 33 (2): 150-159.

Mooranian A, Negrulj R, Chen-Tan N, Al-Sallami HS, Fang Z, Mukkur T, Mikov M, Golocorbin-Kon S, Fakhoury M, Arfuso F, Al-Salami H. Novel artificial cell microencapsulation of a complex gliclazide- deoxycholic bile acid formulation: A characterization study. *Drug Design Development and Therapy* 2014; 8: 1003-1012.

Moore JA, Rambally S. *Fusobacterium nucleatum* Bacteremia Presenting with Portal Vein Thrombosis: An Abdominal Lemierre Syndrome? *American Journal of Medicine* 2017, 130 (6): e255-e256.

Moradi M, Basu S, Shankar MR. In situ measurement of deformation mechanics and its spatio-temporal scaling behavior in equal channel angular pressing. *Journal of Materials Research* 2015; 30(6): 798-810

Moradi M, Sivoththaman S. MEMS Multisensor intelligent Damage Detection for Wind Turbines. *IEEE Sensors Journal* 2015; 15(3): 1437-1444

Morales CA, Palacio J, Rodríguez G, Camargo YC. Zosteriform cutaneous leishmaniasis due to *Leishmania (Viannia) panamensis* and *Leishmania (Viannia) braziliensis*: report of three cases. *Biomédica : Revista del Instituto Nacional de Salud* 2014; 34 (3): 340-344.

Moran ZR, Parker AG. Near infrared imaging as a method of studying tsetse fly (Diptera: Glossinidae) pupal development. *Journal of Insect Science* 2016; 16 (1), art no 33266

Mordon S. A commentary on the role of skin temperature on the effectiveness of ALA-PDT in Dermatology, Photodiagnosis and photodynamic therapy 2014; 11 (3): 416-419.

Morega AM, SĂndoiu AM, Morega M. On the thermography mapping of anatomic media with capillaries and larger vessels blood flow. (2015) 2015 E-Health and Bioengineering Conference EHB 2015, art no 7391512

Moreira DC, Telles MCD, Nunes LCS, Sphaier LA. Analysis of improved-lumped models for property estimation from, temperature field data using a fin model. *Journal of Porous Media* 2015; 18(1)0: 985-996

Moreira DC, Telles MCO, Sphaier LA, Nunes LCS. Infrared thermography for estimating the thermal conductivity augmentation of polymeric nanocomposites. *High Temperatures-High Pressures* 2015; 44(1): 3-23

Moreira DG, Costello JT, Brito CJ, Adamczyk JG, Ammer K, Bach AJE, Costa CMA, Eglin, C, Fernandes AA, Fernández-Cuevas I, Ferreira JJA, Formenti D, Fournet D, Havenith G, Howell K, Jung A, Kenny GP, Kolosovas-Machuca ES, Maley MJ, Merla A, Pascoe D, Priego-Quesada JI, Schwartz RG, Seixas ARD, Selfe J, Vainer BG, Sillero-Quintan M. Thermographic imaging in sports and exercise medicine: A Delphi study and consensus statement on the measurement of human skin temperature. *J Thermal Biol* 2017; 69; 155-162

Moreira DG, Costello JT, Brito CJ, Sillero-Quintana M. A checklist for measuring skin temperature with infrared thermography in sports and exercise medicine. *Thermology international* 2017; 27 (4) 136-138

Moreira DG, Sillero-Quintana M. The Delphi protocol applied to the consensus document "Thermographic imaging in sports and exercise medicine (TISEM)(abstract). *Thermology international* 2017; 27 (2) 75

Moreno J, Quintanilla JG, Molina-Morúa R, García-Torrent MJ, Angulo-Hernández MJ, Curiel- Llamazares C, Ramiro-Bargueño J, González P, Caamaño AJ, Pérez-Castellano N, Rojo-Álvarez JL, Macaya C, Pérez-Villacastín J. Morphological and thermodynamic comparison of the lesions created by 4 open- irrigated catheters in 2 experimental models. *Journal of Cardiovascular Electrophysiology* 2014; 25 (12) 1391-1399.

Moreton R, Lorenzo E, Narvarte L. Experimental observations on hot-spots and derived acceptance/rejection criteria. *Solar Energy* 2015; 118: 28-40

Morgado M, Talaia M, Teixeira L. A new simplified model for evaluating thermal environment and thermal sensation: An approach to avoid occupational disorders. *International Journal of Industrial Ergonomics* 2017, 60: 3-13.

Morgan BJ, Adrian R, Bates ML, Dopp JM, Dempsey JA. Quantifying hypoxia-induced chemoreceptor sensitivity in the awake rodent. *Journal of Applied Physiology* 2014; 117 (7): 816- 824

Morgan TW, van den Bekerom DCM, De Temmerman G. Interaction of a tin-based capillary porous structure with ITER/DEMO, relevant plasma conditions. *Journal of Nuclear Materials* 2015; 463: 1256- 1259

Mori M, Drobnic B, Jurievic B, Novak L. Numerical Modeling of Heat Transfer and Flow Phenomena in an Axial Rotating Rotor Cascade. *Numerical Heat Transfer Part A-Applications* 2015; 67(1)0: 1053-1074

Mori N, Ohya H, Oba K, Shiraishii J. Epithelioid cell granuloma in the bone marrow secondary to Epstein-Barr virus infection. *The Lancet Infectious Diseases* 2017, 17 (4), p. 460.

Morikawa J. Superimpose methods for uncooled Infrared camera applied to the micro-scale thermal characterization of composite materials. In Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23 2015, Baltimore MD, 2015; 94850Z- 94850Z-6.

Morioka I, Izumi Y, Inoue M, Okada K, Sakaguchi K, Miyai N. [Effect of stone Spa bathing and hot- spring bathing](#)

on pulse wave velocity in healthy late middle-aged females. *Nihon eiseigaku zasshi. Japanese journal of hygiene* 2014; 69 (2): 146-152.

Morris NB, Bain AR, Cramer MN, Jay O. Evidence that transient changes in sudomotor output with cold and warm fluid ingestion are independently modulated by abdominal but not oral thermoreceptors *Journal of Applied Physiology* 2014; 116 (8): 1088-1095.

Morrison SA, Cheung S, Cotter JD. Importance of airflow for physiologic and ergogenic effects of precooling. *Journal of Athletic Training* 2014; 49 (5) 632-639.

Morrison SA, Cheung SS, Cotter JD. Bovine colostrum training status and gastrointestinal permeability during exercise in the heat: A placebo-controlled double-blind study. *Applied Physiology Nutrition and Metabolism* 2014; 39 (9): 1070-1082.

Morrison SA, Gorjanc J, Eiken O, Mekjavic IB. Finger and Toe Temperature Responses to Cold After Freezing Cold injury in Elite Alpinists. *Wilderness & Environmental Medicine* 2015; 26(3): 295-304

Morrison SA, Gorjanc J, Mekjavic IB. Mount everest and makalu cold injury amputation: 40 years on. *High Altitude Medicine and Biology* 2014; 15 (1): 78-83.

Morrison SF, Madden CJ, Tupone D. Central neural regulation of brown adipose tissue thermogenesis and energy expenditure. *Cell Metabolism* 2014; 19 (5): 741-756.

Morsali S.F, Movassehgi G, Kiaee MM, Ghorbanloo M, Mohaghegh MR, Morsali A, Morsali M. Clonidine versus Tramadol for postanesthetic shivering: A randomized clinical trial study. *Biomedical Research and Therapy* 2017, 4(10) 1716-1732.

Mortola JP, Kim J, Lorzadeh A, Leurer C. Thermographic analysis of the radiant heat of chicken and duck eggs in relation to the embryo's oxygen consumption. *Journal of Thermal Biology* 2015; 48: 77-84

Moser T, Bulubas L, Sabih J, Conway N, Wildschutz N, Sollmann N, Meyer B, Ringel F, Krieg SM. Resection of Navigated Transcranial Magnetic Stimulation-Positive Prerolandic Motor Areas Causes Permanent Impairment of Motor Function. *Neurosurgery* 2017, 81 (1): 99-109.

Mosquera SA, Verma S. Analysis of the change in peak corneal temperature during excimer laser ablation in porcine eyes. *Journal of Biomedical Optics* 2015; 20(7) 078001

Motegi S-I, Yamada K, Toki S, Uchiyama A, Kubota Y, Nakamura T, Ishikawa O. Beneficial effect of botulinum toxin A on Raynaud's phenomenon in Japanese patients with systemic sclerosis: A prospective case series study. *Journal of Dermatology* 2016; 43 (1) 56-62

Motoyama H, Chen FS, Hijya K, Kondo T, Ohata K, Takahashj M, Yamada T, Sato M, Aoyama A, Date H. Novel thermographic detection of regional malperfusion caused by a thrombosis during ex vivo lung perfusion. *Interactive Cardiovascular and Thoracic Surgery* 2015; 20(2): 242-247

Mouchawar G, Sison S, Chen S, Min X, Chen J, Nyenhuis J, Guffinger D, Williamson R. Modeling of MRI- induced heating in pacemaker patients during 15T MRI scans. *Computing in Cardiology* 2016; 42, art no 7411024 769-772

Mougenot C, Moonen C. Magnetic Resonance-guided high intensity focused ultrasound in the presence of biopsy markers. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 25.

Mougenot C, Pichardo S, Engler S, Waspe A, Colas EC, Drake JM. A rapid magnetic resonance acoustic radiation force imaging sequence for ultrasonic refocusing. *Physics in Medicine and Biology* 2016; 61 (15), art no 5724 5724-5740

Mouhat M, Mercer J, Stangvaltaite L, Örtengren U. Light-curing units used in dentistry: factors associated with heat development-potential risk for patients. *Clinical Oral Investigations* 2017, 21(5) 1687-1696.

Mouhat M, Mercer JB, Ortengren U. Temperature distribution on natural teeth subjected to light curing with different LED curing devices - preliminary results. (abstract). *Thermology international* 2015, 25(2) 70.

Mourad MM, Reay M, Muiesan P, Mirza DF, Perera MTPR. Patient with liver dysfunction while maintained on veno-venous extracorporeal membrane oxygenation should not be overlooked as a potential donor.

Moustafa AR, Berthel B, Fouvry S, Charkaluk E. Experimental study of the stress gradient effect under fretting loading by full field measurement techniques. *Wear* 2015; 330: 160-169

Mowla A, Du B.W, Taimre T, Bertling K, Soyer HP, Rakić AD. Confocal laser feedback tomography for skin cancer detection. *Biomedical Optics Express* 2017, 8(9) 4037-4048.

Moy AJ, Tunnell JW. Combinatorial immunotherapy and nanoparticle mediated hyperthermia. *Advanced Drug Delivery Reviews* 2017, 114: 175-183.

Moyen NE, Mündel T, du Bois AM, Ciccone AB, Morton RH, Judelson DA. Increasing humidity affects thermoregulation during low-intensity exercise in women. *Aviation Space and Environmental Medicine* 2014; 85 (9): 905-911.

Moyer GR, Díaz-Ferguson E, Hill JE, Shea C. Assessing environmental DNA detection in controlled lentic systems. *PLoS ONE* 2014; 9 (7), art. no. e103767.

Mozanski M, Rustecki B, Kalicki B, Jung A. Evaluation of paravertebral blocks for mastectomy in an high risk patient by means of infrared imaging - a case report (extended abstract). *Thermology international* 2014; 24(2) 59-

- Mróz J, Kalicki B, Leśniewski P, Lipińska-Opalka A, Sadecka M, Zuber J, Krawczyk A, Jung A. Application of thermography in the diagnosis of the algodystrophic syndrome type I in 42-year-old patient [Zastosowanie termografii w diagnostyce wielomiejscowego zespołu odruchowego typu I u 42-letniego chorego]. *Pediatrics i Medycyna Rodzinna* 2014; 10 (1): 78-82.
- Mróz J, Kalicki B, Lipińska-Opalka A, Krawczyk A, Jung A, Zuber J, Zaganczyk B. Application of thermography in the diagnosis and treatment monitoring of the Complex Regional Pain Syndrome type I (extended abstract). *Thermology international* 2014; 24(2) 62.
- Mu L, Peng Z, Zang H, Yang K, Liu Y, Li G, Wang S, Cheng L, Guo J. Operating microscope with near infrared imaging function for indocyanine green lymphography in prevention of lymphedema with lymphaticovenous anastomosis immediately after mastectomy and axillary dissection. *Microsurgery* 2017, 37 (4): 354-355.
- Mueller S, Mueller J. Reply to: "Is room temperature susceptometry really an accurate method to assess hepatocellular iron?". *Journal of Hepatology* 2017, 67 (6): 1346-1348.
- Mukherjee A, Castanares M, Hedayati M, Wabler M, Trock B, Kulkarni P, Rodriguez R, Getzenberg RH, Dewese TL, Ivkov R, Lupold SE. Monitoring nanoparticle-mediated cellular hyperthermia with a high- sensitivity biosensor. *Nanomedicine* 2014; 9 (18) 2729-2743.
- Muller BG, Van Den Bos W, Pinto PA, De La Rosette JJ. Imaging modalities in focal therapy: Patient selection treatment guidance and follow-up. *Current Opinion in Urology* 2014; 24 (3) 218- 224.
- Müller J, Hartmann J, Bert C. Infrared camera based thermometry for quality assurance of superficial hyperthermia applicators. *Physics in Medicine and Biology* 2016; 61 (7) 2646-2664
- Muller MD, Seo Y, Kim C-H, Ryan EJ, Pollock BS, Burns KJ, Glickman EL. Cold habituation does not improve manual dexterity during rest and exercise in 5 °C *International Journal of Biometeorology* 2014; 58 (3): 383-394.
- Muller SH, Van Den Brekel MM, Hilgers FJ. Letter to the editor regarding: The effect of cloth stoma covers on tracheal climate of laryngectomy patients. *Head and Neck* 2016; 38 (2) 330-331
- Mumford KA, Rayner JL, Snape I, Stevens GW. Hydraulic performance of a permeable reactive barrier at Casey Station Antarctica. *Chemosphere* 2014; 117 (1): 223-231.
- Mumingjiang Y, Zhou XD, He RX. Value of knee skin temperature measured by infrared thermography and soluble intercellular adhesion molecule-1 in the diagnosis of peri-prosthetic knee infection in chinese individuals following total knee arthroplasty. *Chinese Medical Journal* 2014; 127 (17): 3105-3109.
- Mündel T, Carter JM, Wilkinson DM, Jones DA. A comparison of rectal oesophageal and gastro- intestinal tract temperatures during moderate-intensity cycling in temperate and hot conditions. *Clinical Physiology and Functional Imaging* 2014(Article in Press).
- Munetsugu T, Fujimoto T, Oshima Y, Sano K, Murota H, Satoh T, Iwase S, Asahina M, Nakazato Y, Yokozeki H. Revised guideline for the diagnosis and treatment of acquired idiopathic generalized anhidrosis in Japan. *Journal of Dermatology* 2017, 44 (4): 394-400.
- Muniz PR, Magalhaes RD, Cani SPN, Donadel CB. Non-contact measurement of angle of view between the inspected surface and the thermal imager. *Infrared Physics & Technology* 2015; 72: 77-83
- Munk MR, Jampol LM, Souza EC, De Andrade GC, Esmaili DD, Sarraf D, Fawzi AA. New associations of classic acute macular neuroretinopathy. *British Journal of Ophthalmology* 2016; 100 (3) 389-394
- Munshi R, Qadri SM, Zhang Q, Rubio I.C, del Pino P, Pralle A Magnetothermal genetic deep brain stimulation of motor behaviors in awake, freely moving mice. *eLife* 2017, 6; Article Number: e27069.
- Muntean MV, Strilciuc S, Ardelean F, Pestean C, Lacatus R, Badea AF, Georgescu A. Using dynamic Infrared thermography to optimize color Doppler ultrasound mapping of cutaneous perforators, *Medical Ultrasonography* 2015; 17(4): 503-508
- Muramatsu M, Harada Y, Suzuki T, Niino H. Infrared stress measurements of thermal damage to laser- processed carbon fiber reinforced plastics. *Composites Part A-Applied Science and Manufacturing* 2015; 68: 242-250
- Muramatsu M, Nakasumj S, Harada Y, Suzuki T. Application of the inverse Heat Conduction Analysis to the Evaluation of Defects in Carbonfiber-Reinforced Plastics. *Mechanics of Composite Materials* 2015; 50(6): 695-704
- Murbach M, Neufeld E, Capstick M, Kainz W, Brunner DO, Samaras T, Pruessmann KP, Kuster N. Thermal tissue damage model analyzed for different whole-body SAR and scan durations for standard MR body coils. *Magnetic Resonance in Medicine* 2014; 71 (1): 421-431.
- Murbach M, Neufeld E, Christopoulou M, Achermann P, Kuster N. Modeling of EEG electrode artifacts and thermal riles in human radiofrequency exposure studies. *Bioelectromagnetics* 2014; 35 (4) 273-283.
- Murphy DJ, Desjardins D, Dereuddre-Bosquet N, Brochard P, Perrot L, Pruvost A, Grand RL, Lagatie O, Vanhooren L, Feyaerts M, van Roey J, Malcolm RK. Pre-clinical development of a combination microbicide vaginal ring containing dapivirine and darunavir. *Journal of Antimicrobial Chemotherapy* 2014; 69 (9), art. no. dku160: 2477-2488.
- Murray AK, Moore TL, Manning JB, Dinsdale G, Wilkinson J, Bhushan M, Griffiths CEM, Herrick A. Non- invasive

imaging of localised scleroderma for assessment of skin blood flow and structure. *Acta Dermato-Venereologica* 2016; 96 (5) 641-644

Murray AK, Moore TL, Wragg E, Ennis H, Vail A, Dinsdale G, Muir L, Griffiths CEM, Herrick AL. Pilot study assessing pathophysiology and healing of digital ulcers in patients with systemic sclerosis using laser Doppler imaging and thermography. *Clinical and Experimental Rheumatology* 2016; 34 100-105

Murray JL, Hu P, Shafer DA. Seven novel probe systems for real-time PCR provide absolute single-base discrimination higher signaling and generic components. *Journal of Molecular Diagnostics* 2014; 16 (6) 627-638.

Murthy R, Rangappa S, Repka MA, Vanaja K, Shivakumar HN, Murthy SN. Infrared thermal measurement method to evaluate the skin cooling effect of topical products and the impact of microstructure of creams. *Journal of Drug Delivery Science and Technology* 2017, 39: 296-299.

Musk GC, Murdoch FR, Tuke J, Kemp MW, Dixon MJ, Taylor PM. Thermal and mechanical nociceptive threshold testing in pregnant sheep. *Veterinary Anaesthesia and Analgesia* 2014; 41 (3): 305-311.

Mutagi H, Guru R, Kapur S. Complex regional pain syndrome (CRPS) - A brief review. *Indian Journal of Rheumatology* 2014; 9 (S2): S26-S32.

Muzaffar K, Giri LI, Chatterjee K, Tuli S, Koul S. Fault detection of antenna arrays using Infrared thermography. *Infrared Physics & Technology* 2015; 71: 464-468

Muzaffar K, Tuli S, Koul S. Beam width estimation of microwave antennas using lock-in Infrared thermography. *Infrared Physics & Technology* 2015; 72: 244-248

Myerson RJ, Moros EG, Diederich CJ, Haemmerich D, Hurwitz MD, Hsu I-CJ, McGough RJ, Nau WH, Straube W L, Turner PF, Vujaskovic Z Stauffer PR. Components of a hyperthermia clinic: Recommendations for staffing equipment and treatment monitoring. *International Journal of Hyperthermia* 2014; 2014; 30 (1) 1-5.

Myerson RJ. Incorporating detailed biology in hyperthermia treatment planning: a necessary condition for progress. *International Journal of Hyperthermia* 2017, 33 (3): 364-365.

Myles IA, Reckhow JD, Williams KW, Sastalla I, Frank KM, Datta SK. A method for culturing Gram- negative skin microbiota. *BMC Microbiology* 2016; 16 (1), art no 60

Myoung H-S, Lee K-J. A unique electrical thermal stimulation system comparable to moxibustion of subcutaneous tissue. *Evidence-based Complementary and Alternative Medicine* 2014; 2014, art. no. 518313,

Myshentsev PN, Sushkov SA, Katorkin SE, Demidov SI. Diagnostics of lower limbs lymphedema. *Flebologiya* 2017, 11 (4): 228-236.

Nabeel Y, Ali O. Out in the cold: The hypothermic heart response. *BMJ Case Reports* 2014; bcr2014207358.

Nadeau M, Micheau P, Robert R, Avoine O, Tissier R, Germim PS, Vandamme J, Praud J.-P, Walti H. Core body temperature control by total liquid ventilation using a virtual lung temperature sensor. *IEEE Transactions on Biomedical Engineering* 2014; 61 (12), art. no. 6840979: 2859- 2868.

Nadeau P, El-Damak D, Glettig D, Kong YL, Mo S, Cleveland C, Booth L, Roxhed N, Langer R, Chandrakasan AP, Traverso G. Prolonged energy harvesting for ingestible devices. *Nature Biomedical Engineering* 2017, 1 (3), art. no. 0022.

Nadhman A, Nazir S, Ihsanullah Khan M, Arooj S, Bakhtiar M, Shahnaz G, Yasinzai M. PEGylated silver doped zinc oxide nanoparticles as novel photosensitizers for photodynamic therapy against Leishmania. *Free Radical Biology and Medicine* 2014; 77, 230-238.

Naess A, Mo R, Nilssen SS, Eide GE, Sjursen H. Infections in patients hospitalized for fever as related to duration and other predictors at admittance. *Infection* 2014; 42 (3): 485-492.

Naganathan AN, Muñoz V. Thermodynamics of downhill folding: Multi-probe analysis of PDD a protein that folds over a marginal free energy barrier. *Journal of Physical Chemistry* 2014; B 118 (30) 8982-8994.

Nagarajan S, Narayanaswamy R, Balasubramaniam V. Study on the kinetics of thermomechanical response accompanying plastic instability in mild steel. *Mechanics of Materials* 2015; 80: 27-36

Nagarajan VK, Yu B. Monitoring of tissue optical properties during thermal coagulation of ex vivo tissues. *Lasers in Surgery and Medicine* 2016; 48 (7) 686-694

Nagaso M, Moysan J, Benjeddou S, Massacret N, Ploix MA, Komatitsch D, Lhuillier C. Ultrasonic thermometry simulation in a random fluctuating medium: Evidence of the acoustic signature of a one- percent temperature difference. *Ultrasonics* 2016; 68 61-70

Nagel L, Krall KE, Jahne B. Comparative heat and gas exchange measurements in the Heidelberg Aeolotron a large annular wind-wave tank. *Ocean Science* 2015; 11(1): 111-120

Nagesetti A, McGoron AJ. Multifunctional organically modified silica nanoparticles for chemotherapy adjuvant hyperthermia and near infrared imaging. *Colloids and Surfaces B: Biointerfaces* 2016; 147 492- 500

Nagy-Balo E, Kiss A, Condie C, Stewart M, Edes I, Csanadi Z. Predictors of Cerebral Microembolization during Phased Radiofrequency Ablation of Atrial Fibrillation: Role of the Ongoing Rhythm and the Site of Energy Delivery. *PACE - Pacing and Clinical Electrophysiology* 2014; 37 (11): 1436-1441.

- Nah G, Lee M, Kim D-S, Rayburn AL, Voigt T, Lee DK. Transcriptome analysis of *Spartina pectinata* in Naicker N, Teare J, Balakrishna Y, Wright CY, Mathee A. Indoor temperatures in low cost housing in Johannesburg South Africa. *International Journal of Environmental Research and Public Health* 2017, 14 (11), art. no. 1410.
- Nair AB, Attimarad M, Al-Dhubiab BE, Wadhwa J, Harsha S, Ahmed M. Enhanced oral bioavailability of acyclovir by inclusion complex using hydroxypropyl- β -cyclodextrin. *Drug Delivery* 2014; 21 (7): 540-547.
- Nair S, Nair RU. Wound and surface temperatures in vivo in torsional and longitudinal modalities of ultrasound in coaxial microincisional cataract surgery. *Clinical Ophthalmology* 2017, 11: 249-255.
- Nairn JR, Fawcett RJB. The excess heat factor: A metric for heatwave intensity and its use in classifying heatwave severity. *International Journal of Environmental Research and Public Health* 2014; 12 (1): 227- 253.
- Najafi M, Faraoni D. Updates on coagulation management in cardiac surgery. *Journal of Tehran University Heart Center* 2014; 9 (3): 99-103.
- Najafi SMA, Yaghoubi M. Thermal study of a cistern's dome (the case of Motamed cistern in Lar Iran). *Energy and Buildings* 2015; 102: 453-466
- Nakamura S, Horiuchi S. Randomized Controlled Trial to Assess the Effectiveness of a Self-Care Program for Pregnant Women for Relieving Hiesho. *Journal of Alternative and Complementary Medicine* 2017, 23 (1): 53-59.
- Nakamura S, Uda A, Okabe Y, Fujita Y, Aramaki S, Sato T, Ishibashi H, Shibutani K. General anesthesia in a patient with sialolithiasis who was diagnosed as having systemic lupus erythematosus and antiphospholipid antibody syndrome based on a preoperative examination. *Journal of Japanese Dental Society of Anesthesiology* 2017, 45(2) 241-243.
- Nakamura T, Yokota T, Terakawa Y, Reeder J, Voit W, Someya T, Sekino M. Development of flexible and wide-range polymer-based temperature sensor for human bodies. 3rd IEEE EMBS International Conference on Biomedical and Health Informatics BHI 2016, art no 7455940 485-488
- Nakamura Y, Shen Z, Harada T, Nagaya T, Sato K, Okuyama S, Ogata F, Choyke PL, McCarley RL, Kobayashi H. Characteristics of ovarian cancer detection by a near-infrared fluorescent probe activated by human NAD(P)H: Quinone oxidoreductase isozyme 1 (hNQO1). *Oncotarget* 2017, 8 (37): 61181-61192.
- Nakashima R, Hifumi T, Kawakita K, Okazaki T, Egawa S, Inoue A, Seo R, Inagaki N, Kuroda Y. Critical care management focused on optimizing brain function after cardiac arrest. *Circulation Journal* 2017, 81 (4): 427-439.
- Nakasone Y, Kondo S, Yamamoto T, Iizuka M, Yamaguchi H. Effects of a dietary supplement containing principles of garlic and ginger in combination on temperature and blood flow of finger skin in women with "Hie-sho". *Japanese Pharmacology and Therapeutics* 2014; 42 (12): 977-984.
- Nakatani T, Hashimoto T, Sutou I, Saito Y. Retention of finger blood flow against postural change as an indicator of successful sympathetic block in the upper limb. *Journal of Pain Research* 2017, 10: 475-479.
- Nakayama T, Fujita M, Ishihara M, Ishihara M, Ogata S, Yamamoto Y, Shimizu M, Maehara T, Kanatani Y, Tachibana S. Improved survival rate by temperature control at compression sites in rat model of crush syndrome. *Journal of Surgical Research* 2014; 188 (1): 250-259.
- Nallala J, Lloyd GR, Kendall C, Barr H, Shepherd N, Stone N. Identification of GI cancers utilising rapid mid-infrared spectral imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9703, art no 970303
- Namdari F, Dadpay M, Hamidi M, Ghayoumi-Zadeh H. Evaluation of thermal imaging in the diagnosis and classification of varicocele. *Iranian Journal of Medical Physics* 2017, 14 (2): 114-121.
- Nandi SK, Kundu B, Mahato A, Thakur NL, Joardar SN, Mandal BB. Mandal Biman B In vitro and in vivo evaluation of the marine sponge skeleton as a bone mimicking biomaterial. *Integrative Biology* 2015, 7(2) 250-262
- Nanditha S, Kapoor P, Sarin K. Anesthesia challenges in patent ductus arteriosus stenting for congenital heart disease. *Annals of Cardiac Anaesthesia* 2017, 20 (3): 389-390.
- Narasaki H, Noji T, Wada H, Ebihara Y, Tsuchikawa T, Okamura K, Tanaka E, Shichinohe T, Hirano S. Intraoperative Real-Time Assessment of Liver Function with Near-Infrared Fluorescence Imaging. *European Surgical Research* 2017, 58(5-6) 235-245.
- Narayan K, Cooper S, Morphett J, Innes K. Effectiveness of paracetamol versus ibuprofen administration in febrile children: A systematic literature review. *Journal of Paediatrics and Child Health* 2017, 53 (8): 800-807.
- Nardi I, Ambrosini D, de Rubeis T, Sfarra S, Perilli S, Pasqualoni G. A comparison between thermographic and flow-meter methods for the evaluation of thermal transmittance of different wall constructions. In *Journal of Physics: Conference Series* 2015, 655 (1) 012007
- Nardi I, Paoletti D, Ambrosini D, de Rubeis T, Sfarra S. Validation of quantitative IR thermography for estimating the U-value by a hot box apparatus. *Journal of Physics: Conference Series* 2015, 655(1). 012006.
- Nascimento ST, da Silva IJO, Maia AS.C, de Castro A.C, Vieira FM.C. Mean surface temperature prediction models for broiler chickens-a study of sensible heat flow. *International Journal of Biometeorology* 2014; 58 (2): 195-201.

- Naseri M, Banihasan M, Alamdaran SA. Prediction of renal cortical involvement using serum and urinary inflammatory markers in children with febrile urinary tract infection. *Iranian Journal of Radiology* 2017, 14 (2), art. no. e41485.
- Nassif C, Gomes AR, Peixoto GHC, Chagas MH, Soares DD, Silami-Garcia E, Drinkwater EJ, Cannon J, Marino FE. The effect of double - Blind carbohydrate ingestion during 60 km of self- paced exercise in warm ambient conditions. *PLoS ONE* 2014; 9 (8) Art. No. e104710.
- Natarajan S, Jones TA, Priester AM, Geoghegan R, Lieu P, Delfin M, Felker E, Margolis DJA, Sisk A, Pantuck A, Grundfest W, Marks LS. Focal Laser Ablation of Prostate Cancer: Feasibility of Magnetic Resonance Imaging-Ultrasound Fusion for Guidance. *Journal of Urology* 2017, 198 (4): 839-847.
- Natarajan S, Raman S, Priester AM, Garritano J, Margolis DJA, Lieu P, Macairan ML, Huang J, Grundfest W, Marks LS. Focal Laser Ablation of Prostate Cancer: Phase I Clinical Trial. *Journal of Urology* 2016; 196 (1) 68-75
- Natural Hazards 2015; 76(3): 1535-1549
- Nature 2016; 536 (7614) 58-62
- Navello L, Lebedinsky J, offret JP, Serio B, Davin T, Bailly Y, Herve P., TI Short wavelengths active bichromatic pulsed pyrometer for solids and liquids designed for measurements in harsh environments. In: Lehmann P, Osten W, Albertazzi GA, eds *Proceedings of SPIE Conference on Optical Measurement Systems for industrial inspection IX*, JUN 22-25 2015, Munich Germany, 2015; pp. 95253C-95253C-12.
- Nawatila R, Agnes Nuniek W, Siswodihardjo S, Setyawan D. Preparation of acyclovir-nicotinamide cocrystal by solvent evaporation technique with variation of solvent. *Asian Journal of Pharmaceutical and Clinical Research* 2017, 10 (3): 283-287.
- Naya Y, Hagiwara N, Takeuchi I, Mori M, Inagaki A, Nakanouchi T, Mikami K. Fifteen-second skin icing using a frozen gel pack is effective for reducing goserelin injection pain. *Urologia Internationalis* 2014; 93 (2) 202-206.
- Naydenov E, Minkin K, Penkov M, Nachev S, Stummer W. Infrared Thermography in Surgery of Newly Diagnosed Glioblastoma Multiforme: A Technical Case Report. *Case Reports in Oncology* 2017, 10 (1): 350-355.
- Ndiaye EB, Marechal P, Duflo H. Adhesion characterization and defect sizing of sandwich honeycomb composites. *Ultrasonics* 2015; 62: 103-111
- N'Djin WA, Burtnyk M, Lipsman N, Bronskill M, Kucharczyk W, Schwartz ML, Chopra R. Active MR- temperature feedback control of dynamic interstitial ultrasound therapy in brain: In vivo experiments and modeling in native and coagulated tissues. *Medical Physics* 2014; 41 (9) Art. No. 093301.
- Ndukaife KO, Ndukaife JC, Nnanna AGA. Membrane fouling characterization by Infrared thermography. *Infrared Physics & Technology* 2015; 68: 186-192
- Nel MJ, Hardcastle TC. Preventative measures taken against hypothermia in selected Durban hospitals' emergency centres and operating theatres. *African Journal of Emergency Medicine* 2017, 7 (4): 172-176.
- Nemcokova R, Glombikova V, Komarkova P. Study on Liquid Moisture Transport of Knitted Fabrics by Means of Mmt, Thermography and Microtomography Systems. *Autex Research Journal* 2015, 15(4), 233- 242.
- Nepapushev AA, Kirakosyan KG, Moskovskikh DO, Kharatyan SL, Rogachev AS, Mukasyan AS. Influence of High-Energy Ball Milling on Reaction Kinetics in the Ni-Al System: An Electrothermographic Study.
- Nergård S, Mercer JB, De Weerd L. Internal mammary vessels' impact on abdominal skin perfusion in free abdominal flap breast reconstruction. *Plastic and Reconstructive Surgery - Global Open* 2017, 5 (12), art. no. e1601.
- Nespoli F, Labit B, Furno I, Canal GP, Fasoli A. Heat loads in inboard limited L-mode plasmas in TCV. *Journal of Nuclear Materials*, 2015; 463: 393-396
- Nethi S.K, Neeraja Aparna Anand P, Rico-Oller B, Rodríguez-Diéguez A, Gómez-Ruiz S, Patra CR. Design, synthesis and characterization of doped-titanium oxide nanomaterials with environmental and angiogenic applications. *Science of the Total Environment* 2017, 599-600; 1263-1274.
- Neuropsychopharmacology* 2014; 39 (8) 1996-2007.
- Neves EB, Matos F, Martins da Cunha R, Reis VM. Thermography to monitoring of Sports Training: an Overview *Pan American Journal of Medical Thermology* 2015; 2(1) 18-22
- Neves EB, Moreira TR, Lemos R, Vilaca-Alves J, Rosa C, Reis VM. Using skin temperature and muscle thickness to assess muscle response to, strength training. *Revista Brasileira de Medicina do Esporte* 2015; 21(5): 350-354
- Neves EB, Salamunes ACC, de Oliveira RM, Stadnik AMW Effect of body fat and gender on body temperature distribution. *Journal of Thermal Biology* 2017, 70: 1-8.
- Neves EB, Vilaça-Alves J, Moreira TR, Delemos RJCA, Reis VM. The thermal response of biceps brachii to strength training. *Gazzetta Medica Italiana Archivio per le Scienze Mediche* 2016; 175 (10) 391-399
- Ng KH, Faust O, Sudarshan V, Chattopadhyay S. Data Overloading in Medical Imaging: Emerging Issues Challenges and Opportunities in Efficient Data Management. *Journal of Medical Imaging and Health Informatics* 2015; 5(4): 755-764

Ng PL, Carlisle T, Ly M, Morris SA. Heating of newborn infants due to blue light-emitting diode fibreoptic phototherapy pads. *Neonatology* 2017, 112 (2): 103-109.

Ngampramuan S, Cerri M, del Vecchio F, Corrigan JJ, Kamphee A, Dragic AS, Rudd JA, Romanovsky AA, Nalivaiko E. Thermoregulatory correlates of nausea in rats and musk shrews. *Oncotarget* 2014; 5 (6) 1565- 1575.

Nguyen C, Bahar H, Baker G, Andrew NR. Thermal tolerance limits of diamondback moth in ramping and plunging assays. *PLoS ONE* 2014; 9 (1), art. no. e87535.

Nguyen DT, Barham W, Zheng L, Shillinglaw B, Tzou WS, Neltner B, Mestroni L, Bosi S, Ballerini L, Prato M, Sauer WH. Carbon nanotube facilitation of myocardial ablation with radiofrequency energy. *Journal of Cardiovascular Electrophysiology* 2014; 25 (12) 1385-1390.

Nguyen VH, Lee B-J. Protein corona: A new approach for nanomedicine design. *International Journal of Nanomedicine* 2017, 12: 3137-3151.

Nica AS. Analysis of thermographic evaluation in patients admitted in rehabilitation clinic in the last 5 years (2009-2014) - a retrospective study (abstract). *Thermology international* 2015, 25(1) 29

Nica S, Meiu L, Mitoiu B, Moise M. Case report -Thermographic evaluation of a patient with lymphedema of the upper limb, after mastectomy". (extended abstract). *Thermology international* 2015, 25(3) 134

Nichols AW. Heat-related illness in sports and exercise. *Current Reviews in Musculoskeletal Medicine* 2014; 7

Nicoara A, Holmquist F, Raggains C, Mathew JP. Anesthesia for catheter ablation procedures. *Journal of Cardiothoracic and Vascular Anesthesia* 2014; 28 (6): 1589-1603.

Nicolaus P. Trends of new infrared detector technologies expand the possibilities of thermography. (abstract). *Thermology international* 2015, 25(1) 33

Nicoletti G, Icaro Cornaglia A, Faga A, Scevola S. The biological effects of quadripolar radiofrequency sequential application: A human experimental study. *Photomedicine and Laser Surgery* 2014; 32 (10).

Niedzielska I, Pawelec S, Puszczewicz Z. The employment of thermographic examinations in the diagnostics of diseases of the paranasal sinuses. *Dentomaxillofacial Radiology* 2017, 46 (6), art. no. 20160367.

Nielsen MK, Nielsen K, Hjortdal J, Sørensen UBS. Temperature limitation may explain the containment of the trophozoites in the cornea during *Acanthamoeba castellanii* keratitis. *Parasitology Research* 2014; 113 (12): 4349-4353.

Nielsen N, W etterslev J, Friberg H. Dr. Nielsen and colleagues reply. *New England Journal of Medicine* 2014; 370 (14), p. 1360.

Ning J, Huang B, Wei Z, Li W, Zheng H, Ma L, Xing Z, Niu H, Huang W. Mitochondria targeting and near-infrared fluorescence imaging of a novel heptamethine cyanine anticancer agent. *Molecular Medicine Reports* 2017, 15 (6): 3761-3766.

Nipruk OV, Chernorukov NG, Chaplieva KA. Synthesis and study of hexauranates $MIII[(UO_2)_6O_{4.5}(OH)_6] \cdot 7H_2O$ ($MIII—Nd\ Sm\ Eu\ Gd\ Dy$). *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (2): 1405-1416.

Nishi N, Miyamoto T, Waku T, Tanaka N, Hagiwara Y. Ice growth inhibition in antifreeze polypeptide solution by short-time solution preheating. *PLoS ONE* 2016; 11 (5), art no e0154782

Nishimura T, W atanuki S. Relationship between mitochondrial haplogroup and seasonal changes of physiological responses to cold. *Journal of Physiological Anthropology* 2014; 33 (1) Art. No. 27.

Nishio H, Mizuno K, Moritoki Y, Kamisawa H, Naiki T, Kurokawa S, Nakane A, Okada A, Yasui T, Hayashi

Nitschke P, Bork U, Plodeck V, Podlesek D, Sobottka SB, Schackert G, Weitz J, Kirsch M. Importance of preoperative and intraoperative imaging for operative strategies [Bedeutung der prä- und intraoperativen Bildgebung für die operative Strategie]. *Chirurg* 2016; 87 (3) 179-188

Nitta N, Ishiguro Y, Sasanuma H, Taniguchi N, Akiyama I. Experimental system for in-situ measurement of temperature rise in animal tissue under exposure to acoustic radiation force impulse. *Journal of Medical Ultrasonics* 2014; 42 (1): 39-46.

Niu L, Dong S-J, Kong T-T, Wang R, Zou R, Liu Q-D. Heat transfer behavior across the dentino-enamel junction in the human tooth. *PLoS ONE* 2016; 11 (9), art no e0158233

Niven DJ, Stelfox HT, Laupland KB. Hypothermia in Adult ICUs: Changing Incidence but Persistent Risk Factor for Mortality. *Journal of Intensive Care Medicine* 2016; 31 (8) 529-536

Nocentini R, Bonomo F, Pimazzoni A, Fantz U, Franzen P, Froschle M, Heinemann B, Pasqualotto R, Riedl R, Ruf B, Wunderlich D. Advanced Ion Beam Calorimetry for the Test Facility ELISE. In: Kraus W, McNeely P, eds AIP Conference Proceedings th International Symposium on Negative Ions Beams and Sources (NIBS) OCT 06-10, 2014, Max Planck inst Plasmaphysik Munich Germany, 2015; 1655, 060006

Nogami K, Niihara H, Nakatani T, Kishimoto K, Nakamura M, Matsuki S, Morita E. A case of Buerger's disease effectively treated by sympathetic block using clipping. *Nishinippon Journal of Dermatology* 2017, 79 (1): 28-33.

Noguchi T, Arikawa M, Okazaki K, Sato T, Noguchi T, Kubo T, Kitaoka H, Doi Y, Hoshino E, Iiyama T, Kakinuma Y. Donepezil can improve ischemic muscle atrophy by activating angiomyogenic properties of satellite cells.

Circulation Journal 2014; 78 (9) 2317-2324.

Nogueira AB, Annen E, Boss O, Farokhzad F, Sikorski C, Keller E. Temperature variability in the day-night cycle is associated with further intracranial pressure during therapeutic hypothermia. *Journal of Translational Medicine* 2017, 15:1 Article Number: 170.

Nogueira Forni JE, Brioschi ML, Jacobsen Teixeira M. Post-laminectomy syndrome: presentation of a clinical case evaluated by thermography (extended abstract). *Thermology international* 2014; 24(1) 18-19

Noh M, Kim HY, Park HC, Lee SH, Kim Y-S, Hong S-B, Park JH, Jung SH, Han Y. In vivo verification of regional hyperthermia in the liver. *Radiation Oncology Journal* 2014; 32 (4): 256- 261.

Noh S-H, Lee B-R, Yim Y-K. Single and triple moxibustion with large indirect moxa induced differential effects on skin temperature and blood perfusion in healthy human subjects: Counterevidence to a previous report. *Complementary Therapies in Medicine* 2014; 22 (2) 311- 319.

Noh ZM, Ramli AR, Saripan MI, Hanafi M. Assessment of near infrared LED radiation pattern using Otsu thresholding. (2015) ISSBES 2015 - IEEE Student Symposium in Biomedical Engineering and Sciences: By the Student for the Student art no 7435897 1-6

Nomura EY, Brioschi ML, Jacobsen Teixeira M.. Thermal analysis of patients submitted to spinal anesthesia (extended abstract). *Thermology international* 2014; 24(1) 15-16

Nomura T, Laakso I, Hirata A. FDTD computation of temperature elevation in the elderly for far- field RF exposures. *Radiation Protection Dosimetry* 2014; 158 (4), art. no. nct257: 497-500.

Nordberg P, Ivert T, Dalén M, Forsberg S, Hedman A. Surviving two hours of ventricular fibrillation in accidental hypothermia. *Prehospital Emergency Care* 2014; 18 (3): 446-449.

Nordey T, Léchaudel M, Saudreau M, Joas J, Génard M. Model-assisted analysis of spatial and temporal variations in fruit temperature and transpiration highlighting the role of fruit development. *PLoS ONE* 2014; 9 (3) Art. No. e92532.

Norheim A, Borud E, Mercer J, de Weerd L. Normal" thermography among 122 soldiers in the Norwegian armed forces (extended abstract). *Thermology international* 2015, 25(3) 122.

Norheim AJ, Borud E, Sagen T, Hjelle D, Mercer J, de Weerd L. Use of dynamic thermography in diagnosing frostbite and non-freezing cold injuries in the Norwegian armed forces (extended abstract). *Thermology international* 2015, 25(1) 27

Norheim AJ, Mercer J, de Weerd L, Borud EK, Sagen T, Hjelle D. [Thermography in cold injuries in the military] [Termografi ved frostskaeder i Forsvaret] *Tidsskrift for den Norske lægeforening: tidsskrift for praktisk medicin ny række* 2014; 134 (17), p. 1645.

Norheim AJ, Mercer J, Musial F, De Weerd L. A new treatment for frostbite sequelae; Botulinum toxin. *International Journal of Circumpolar Health* 2017, 76 (1): 1-5.

Norheim AJ, Mercer J. Consensus regarding interpretation in Thermography of hands? (abstract). *Thermology international* 2015, 25(1) 28

Nose Y, Fujinaga R, Suzuki M, Hayashi I, Moritani T, Kotani K, Nagai N. Association of evening smartphone use with cardiac autonomic nervous activity after awakening in adolescents living in high school dormitories. *Child's Nervous System* 2017, 33 (4): 653-658.

Notley SR, Poirier MP, Hardcastle SG, Flouris AD, Boulay P, Sigal RJ, Kenny GP. Aging Impairs Whole-Body Heat Loss in Women under Both Dry and Humid Heat Stress. *Medicine and Science in Sports and Exercise* 2017, 49 (11): 2324-2332.

Notter M, Piazena H, Vaupel P. Hypofractionated re-irradiation of large-sized recurrent breast cancer with thermography-controlled contact-free water-filtered infra-red-A hyperthermia: a retrospective study of 73 patients. *International Journal of Hyperthermia* 2017, 33 (2): 227-236.

Notter M, Piazena H, Vaupel P. Hypofractionated re-irradiation of large-sized recurrent breast cancer with thermography-controlled contact-free water-filtered infra-red-A hyperthermia: a retrospective study of 73 patients. *International Journal of Hyperthermia* 1-10 Article in Press

Notter M. Thermography-controlled wIRA hyperthermia & low dose re-irradiation in recurrent breast cancer. *Strahlentherapie Und Onkologie* 2015; 191(1) 83-83

Nouzi F, Erkol H, Luk A, Marks M, Unlu MB, Gulsen G. An accelerated photo-magnetic imaging reconstruction algorithm based on an analytical forward solution and a fast Jacobian assembly method. *Physics in Medicine and Biology* 2016; 61 (20) 7448-7465

Novotny J, Rybarova S, Zacha D, Bernacikova M, Ramadan WA. The influence of breaststroke swimming on the muscle activity of young men in thermographic imaging. *Acta of Bioengineering and Biomechanics* 2015; 17(2): 121-129

Nowakowski A. IR - Descriptors in quantitative evaluation of wound healing. (extended abstract) *Thermology international* 2014; 24(2) 67.

- Nowicka D. Thermography Improves Clinical Assessment in Patients with Systemic Sclerosis Treated with Ozone Therapy. *BioMed Research International* 2017, Article Number: 5842723.
- Numan WCM, Hofstetter LW, Kotek G, Bakker JF, Fiveland EW, Houston GC, Kudielka G, Yeo DTB, Paulides MM. Exploration of MR-guided head and neck hyperthermia by phantom testing of a modified prototype alicator for use with proton resonance frequency shift thermometry. *International Journal of Hyperthermia* 2014; 30 (3) 184-191.
- Nuñez-Villegas M, Bozinovic F, Sabat P. Interplay between group size huddling behavior and basal metabolism: An experimental roach in the social degu. *Journal of Experimental Biology* 2014; 217 (6) 997-1002.
- Nureki S-I, Miyazaki E, Yamasue M, Takenaka R, Ando M, Kadota J-I. Intrascrotal and osseous sarcoidosis mimicking intrascrotal organ cancer and bony metastasis. *Sarcoidosis Vasculitis and Diffuse Lung Diseases* 2017, 34 (4): 373-376.
- Nybo L, Rasmussen P, Sawka MN. Performance in the heat-physiological factors of importance for hyperthermia-induced fatigue. *Comprehensive Physiology* 2014; 4 (2) 657-689.
- Oatley HK, Blencowe H, Lawn JE. The effect of coverings including plastic bags and wraps on mortality and morbidity in preterm and full-term neonates. *Journal of Perinatology* 2016; 36 (S1) S82-S88
- Obare Pyszková L, Nevtířilová M, Žáčková D, Fritscherova Š, Zapletalová J, Hrabálek L, Adamus M. Incidence of peri-operative hypothermia - A unicentric observational study [Výskyt hypotermie v perioperačním období - Unicentrická observační studie]. *Anesteziologie a Intenzivní Medicína* 2014; 25 (4): 267-273.
- Obeid A, Naous A, Naja Z, Naja AS. Preventing ventilator associated pneumonia (VAP) in a pediatric intensive care unit using a modified ventilator associated pneumonia bundle: Pre- interventional and post- interventional trial. *Research Journal of Medical Sciences* 2014; 8 (1): 13- 19.
- Obeidat W M, Sallam A-SA. Evaluation of Tadalafil nanosuspensions and their peg solid dispersion matrices for enhancing its dissolution properties. *AAPS PharmSciTech* 2014; 15 (2): 364-374.
- Obermeyer Z, Samra JK, Mullainathan S. Individual differences in normal body temperature: Longitudinal big data analysis of patient records. *BMJ (Online)* 2017, 359, art. no. j5468.
- O'Brien WL, Boltin ND, DeJong SA, Lu ZY, Cassidy BM, Hoy SI, Morgan SL, Myrick ML. An Improved- Efficiency Compact Lamp for the Thermal Infrared. *Applied Spectroscopy* 2015; 69(1)2: 1511-1513
- Ochiai K, Shiraishi A, Otomo Y, Koido Y, Kanemura T, Honma M. Increasing or fluctuating bispectral index values during post-resuscitation targeted temperature management can predict clinical seizures after rewarming. *Resuscitation* 2017, 114: 106-112.
- Ochiai N, Tsunokawa J, Sasamoto K, Hoffmann A. Multi-volatile method for aroma analysis using sequential dynamic headspace sampling with an application to brewed coffee. *Journal of Chromatography A* 2014; 1371: 65-73.
- Ocko SA, Mahadevan L. Collective thermoregulation in bee clusters. *Journal of the Royal Society Interface* 2014; 11 (91) Art. No. 20131033.
- Oda S, Shirakawa K. Sleep onset is disrupted following pre-sleep exercise that causes large physiological excitement at bedtime. *European journal of applied physiology* 2014; 114 (9): 1789- 1799.
- Oda T, Yamaguchi A, Yokoyama M, Shimizu K, Toyota K, Nikai T, Matsumoto K-I. Plasma proteomic changes during hypothermic and normothermic cardiopulmonary bypass in aortic surgeries. *International Journal of Molecular Medicine* 2014; 34 (4): 947-956.
- Odéen H, Almquist S, de Bever J, Christensen DA, Parker DL. MR thermometry for focused ultrasound monitoring utilizing model predictive filtering and ultrasound beam modeling. *Journal of Therapeutic Ultrasound* 2016; 4 (1), art no 23
- Odéen H, Todd N, Diakite M, Minalga E, Payne A, Parker DL. Sampling strategies for subsampled segmented EPI PRF thermometry in MR guided high intensity focused ultrasound. *Medical Physics* 2014; 41 (9) Art. No. 092301.
- Odéen H, Todd N, Dillon C, Payne A, Parker DL. Model predictive filtering MR thermometry: Effects of model inaccuracies k-space reduction factor and temperature increase rate. *Magnetic Resonance in Medicine* 2016; 75 (1) 207-216
- O'dell SJ, Marshall JF. Running wheel exercise before a binge regimen of methamphetamine does not protect against striatal dopaminergic damage. *Synapse* 2014; 68 (9) 419-425.
- odeüe]. *Vojnosanitetski Pregled* 2014; 71 (3) 259-264.
- Odinaka KK, Edelu BO, Nwolisa CE, Amamilo IB, Okolo SN. Temporal artery thermometry in children younger than 5 years: A comparison with rectal thermometry. *Pediatric Emergency Care* 2014; 30 (12): 867-870.
- O'Donnell CPF. Plastics bags reduce hypothermia in newly born infants in the developing world. *Evidence- Based Medicine* 2014; 19 (2), p. 59.
- Oe M, Takehara K, Noguchi H, Ohashi Y, Amemiya A, Sakoda H, Suzuki R, Yamauchi T, Ueki K, Kadowaki T, Sanada H. Thermographic findings in a case of type 2 diabetes with foot ulcer due to callus deterioration. *Diabetology International* 2017, 8 (3): 328-333.

- Ogasawara N, Ando H, Kobayashj C, Yamada H. Active Infrared thermographic testing with distance heating. in: Hsieh SI, Zalameda JN, Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, April 20-23 2015, pp. 94850A-94850A
- Ogawa N, Kuroda K, Ogawara S, Miyake N, Machida K. [Psychophysiological effects of hand massage in geriatric facility residents]. *Nihon eiseigaku zasshi. Japanese Journal of Hygiene* 2014; 69 (1): 24-30.
- Öğünç Y, Demirel M, Yakar A, İncesu Z. Vincristine and ϵ -viniferine-loaded PLGA-b-PEG nanoparticles: pharmaceutical characteristics, cellular uptake and cytotoxicity. *Journal of Microencapsulation* 2017, 34(1) 38-46.
- Oguz F, Yildiz I, Varkal MA, Hizli Z, Toprak S, Kaymakci K, Saygili SK, Kilic A, Unuvar E. Axillary and Tympanic Temperature Measurement in Children and Normal Values for Ages. *Pediatric Emergency Care Article in Press*
- Oh JH, Kim JY, Chung SW, Park JS, Kim DH, Kim SH, Yun MJ. Warmed irrigation fluid does not decrease perioperative hypothermia during arthroscopic shoulder surgery. *Arthroscopy - Journal of Arthroscopic and Related Surgery* 2014; 30 (2): 159-164.
- Oh S, Ryu Y-C, Carluccio G, Sica CT, Collins CM. Measurement of SAR-induced temperature increase in a phantom and in vivo with comparison to numerical simulation. *Magnetic Resonance in Medicine* 2014; 71 (5) 1923-1931.
- Ohe Y, Kunimasa K, W atanabe Y. Effects of amino acid infusion in preventing intraoperative hypothermia: Comparison between sevoflurane versus propofol. *Japanese Journal of Anesthesiology* 2014; 63 (6): 623-628.
- Ohnishi N, Tahara Y, Kuriki D, Haraguchi A, Shibata S. Warm water bath stimulates phase-shifts of the peripheral circadian clocks in PER2::LUCIFERASE mouse. *PLoS ONE* 2014; 9 (6), art. no. e100272.
- Ohwatashi A, Ikeda S, Harada K, Kamikawa Y, Yoshida A, Inoue K, Yanagida N, Fukudome K, Kiyama R, Ohshige T, Maeda T. Temperature changes caused by the difference in the distance between the ultrasound transducer and bone during 1 MHz and 3 MHz continuous ultrasound: a phantom study.
- Ojaghi A, Parkhimchyk A, Tabatabaei N. A pilot study on the detection of early proximal and occlusal dental caries using long-wave infrared thermophotonic imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9692, art no 969209
- Okada A, Silapasuphakornwong P, Suzuki M, Torij H, Takashima Y, Uehira K. Non-destructively reading out information embedded inside real objects by using far-infrared light. In: Tescher AG, eds, Proceedings of SPIE Conference on Applications of Digital Image Processing XXXVIII, AUG 10-13 2015, San Diego CA, 2015; pp. 95992V-95992V-7.
- Okada M, Kakehashi M. Effects of outdoor temperature on changes in physiological variables before and after lunch in healthy women. *International Journal of Biometeorology* 2014; 58 (9): 1973-1981.
- Okada Y, Narumiya H. Visualization of poikilothermia using handheld thermography. *Clinical Case Reports* 2017, 5(9) 1542-1543.
- Okamoto H, Tamenishi A, Nishi T, Niimi T. Analysis of myocardial temperature changes in conventional isolated coronary artery bypass grafting. *General Thoracic and Cardiovascular Surgery* 2014; 62 (12): 706- 712.
- Okrouhlik J, Burda H, Kunc P, Knizkova I, Sumbera R Surprisingly low risk of overheating during digging in two subterranean rodents. *Physiology & Behavior* 2015; 138: 236-241
- Oksa J, Hosio S, Mäkinen T, Lindholm H, Rintamäki H, Rissanen S, Latvala J, Vaara K, Oksa P. Muscular cardiorespiratory and thermal strain of mast and pole workers. *Ergonomics* 2014; 57 (5) 669-678.
- Okuneye K, Gumel AB Analysis of a temperature- and rainfall-dependent model for malaria transmission dynamics. *Mathematical Biosciences* 2017, 287: 72-92.
- Okuyama S, Nagaya T, Ogata F, Maruoka Y, Sato K, Nakamura Y, Choyke PL, Kobayashi H. Avoiding thermal injury during near-infrared photoimmunotherapy (NIR-PIT): The importance of NIR light power density. *Oncotarget* 2017, 8 (68): 113194-113201.
- O'Leary SA, Doyle BJ, McGloughlin TM. The impact of long term freezing on the mechanical properties of porcine aortic tissue. *Journal of the Mechanical Behavior of Biomedical Materials* 2014; 37: 165-173.
- Oliferuk W, Maj M, Zembrzycki K. Determination of the Energy Storage Rate Distribution in the Area of Strain Localization Using Infrared and Visible Imaging. *Experimental Mechanics* 2015; 55(4): 753-760
- Oliferuk W, Maj M, Zembrzycki K. Distribution of energy storage rate in area of strain localization during tension of austenitic steel. *IOP Conference Series: Materials Science and Engineering* 2015,71(1)012055
- Oliferuk W, Maj M. Distributions of energy storage rate and microstructural evolution in the area of plastic strain localization during uniaxial tension of austenitic steel. *IOP Conference Series: Materials Science and Engineering* 2015. 89(1) 012040
- Oliveira AL, Moore Z, O Connor T, Patton D Accuracy of ultrasound, thermography and subepidermal moisture in predicting pressure ulcers: a systematic review. *Journal of Wound Care* 2017, 26(5) 199-215.
- Oliveira PD, Rodrigues AMC, Bezerra CV, Silva LHM. Chemical interesterification of blends with palm stearin and patawa oil. *Food Chemistry* 2017, 215: 369-376.

Oliver ECJ, Benthuisen JA, Bindoff NL, Hobday AJ, Holbrook NJ, Mundy CN, Perkins-Kirkpatrick SE. The unprecedented 2015/16 Tasman Sea marine heatwave. *Nature Communications* 2017, 8 Article Number: 16101.

O'Loughlin S, Currie GM, Trifonovic M, Kiat H. Ambient temperature and cardiac accumulation of 18F- FDG. *Journal of Nuclear Medicine Technology* 2014; 42 (3) 188-193.

Olsen RV, Andersen HH, Møller HG, Eskelund PW, Arendt-Nielsen L. Somatosensory and vasomotor manifestations of individual and combined stimulation of TRPM8 and TRPA1 using topical L-menthol and trans-cinnamaldehyde in healthy volunteers. *European Journal of Pain (United Kingdom)* 2014; 18 (9): 1333-1342.

Olsson E, Ahlsén G, Eriksson M. Skin-to-skin contact reduces near-infrared spectroscopy pain responses in premature infants during blood sampling. *Acta Paediatrica International Journal of Paediatrics* 2016; 105 (4) 376-380

Oman K, Van Hoe B, Aly K, Peters K, Van Steenberge G, Stan N, Schultz S. Instrumentation of integrally stiffened composite panel with fiber Bragg grating sensors for vibration measurements. *Smart Materials and Structures* 2015; 24(8) 085031

Omar HR, Guglin M. Hypothermia is an independent predictor of short and intermediate term mortality in acute systolic heart failure: Insights from the ESCAPE trial. *International Journal of Cardiology* 2016; 220 729-733

Omóbòwálé, TO, Ogunro BN, Odigie EA, Otuh PI, Olugasa BO. A comparison of surface infrared with rectal thermometry in dogs. *Nigerian Journal of Physiological Sciences* 2017, 32 (2): 123-127.

Omranipour R, Kazemian A, Alipour S, Najafi M, Alidoosti M, Navid M, Alikhassi A, Ahmadinejad N, Bagheri K, Izadi S. Comparison of the Accuracy of Thermography and Mammography in the Detection of Breast Cancer. *Breast Care* 2016; 11 (4) 260-264

Oncel M, Sunam GS, Yildiran H. Is Clipping the Sympathetic Chain Effective for Palmar Skin Temperature? *Thoracic and Cardiovascular Surgeon* 2016; 64 (6), p 545

Oncology Letters 2014; 8 (2) 637-641.

Oncotarget 2016; 7 (34) 54925-54936

Ono K, Yamasue K, Tochikubo O, Terauchi Y, Mizushima S. Lifestyle monitoring with the use of an earphone-type thermometer an ambulatory blood pressure monitoring and a new wristwatch- type pulsimeter with accelerometer. *Clinical and Experimental Hypertension* 2014; 36 (2): 97-102.

Ööpik V, Timpmann S, Kreegipuu K, Unt E, Tamm M. Heat acclimation decreases the growth hormone response to acute constant-load exercise in the heat. *Growth Hormone and IGF Research* 2014; 24 (1): 2-9.

Operstény E, Anderson H, Bates J, Davenport K, Husby J, Myking K, Oron AP Precision, Sensitivity and Patient Preference of Non-Invasive Thermometers in a Pediatric Surgical Acute Care Setting. *Journal of Pediatric Nursing* 2017, 35: 36-41.

Op't Eijnde B, Keytsman C, Wens I, Hansen D. Whole-body cooling does not compromise muscle oxidative capacity in subjects with multiple sclerosis. *NeuroRehabilitation* 2014; 35 (4): 805-811.

Oršolić N, Skurić J, Dikić D, Stanić G. Inhibitory effect of a propolis on Di-n-Propyl Disulfide or n- Hexyl salicylate-induced skin irritation oxidative stress and inflammatory responses in mice. *Fitoterapia* 2014; 93, 18-30.

Ortega-Deballon P, Lagoutte N, Facy O. Inflammatory markers as predictors of surgical site infection after elective colorectal cancer surgery. *Langenbeck's Archives of Surgery* 2014; 399 (6) 795-796.

Ortiz-Tudela E, Innominato PF, Rol MA, Lévi F, Madrid JA. Relevance of internal time and circadian robustness for cancer patients. *BMC Cancer* 2016; 16 (1), art no 285

Osaka T. Hypoxia-induced hypothermia mediated by GABA in the rostral parapyramidal area of the medulla oblongata. *Neuroscience* 2014; 267: 46-56.

Osayemwenre GO, Meyer EL, Mamphweli S. SEM analysis as a diagnostic tool for photovoltaic cell degradation. *Digest Journal of Nanomaterials and Biostructures* 2015; 10(2): 479-487

Osczevski RJ. Comments on "Modified wind chill temperatures determined by a whole body thermoregulation model and human-based convective coefficients" by Ben Shabat Shitzer and Fiala (2013) and "Facial convective heat exchange coefficients in cold and windy environments estimated from human experiments" by Ben Shabat and Shitzer (2012). *International Journal of Biometeorology* 2014; 58 (6): 1017-1018.

Oshima-Saeki C, Taniho Y, Arita H, Fujimoto E. Lower-limb warming improves sleep quality in elderly people living in nursing homes. *Sleep Science* 2017, 10 (2): 87-91.

Ospina-Borras JE, Florez-Ospina JF, Benitez-Restrepo HD, Maldague X. Thermal diffusivity estimation with quantitative pulsed phase thermography. In: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23 2015, Baltimore MD, 2015*; pp. 948512-948512-8.

Osuchowski M, Radermacher P, Remick D, Chaudry I. The August Krogh principle: Seeking unity in diversity: Reply Shock 2014; 42 (5): 480-481.

Oswald-Tranta B, Schmidt R. Crack depth determination with inductive thermography. In Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23 2015,*

Baltimore MD, 2015; pp. 94850C-94850C-9.

Ota M, Sato N, Sakai K, Okazaki M, Maikusa N, Hattori K, Hori H, Teraishi T, Shimoji K, Yamada K, Kunugi H. Altered coupling of regional cerebral blood flow and brain temperature in schizophrenia compared with bipolar disorder and healthy subjects. *Journal of Cerebral Blood Flow and Metabolism* 2014; 34 (12): 1868- 872.

Otomo S, Iwasaki H, Takahoko K, Onodera Y, Sasakawa T, Kunisawa T, Iwasaki H. Prediction of optimal reversal dose of sugammadex after rocuronium administration in adult surgical patients. *Anesthesiology Research and Practice* 2014; 2014, art. no. 848051.

Ott OJ, Schmidt M. Hyperthermia and reirradiation *Medical Radiology* 2017: 35-45.

Otto GP, Queissner CH, Rothe P, Sossdorf M, Richter A, Claus RA. Severity assessment and stratification by an automated, continuous non-contact infrared monitoring system in models of infectious disease (abstract). *Thermology international* 2015, 25(1) 32

Ou K-L, Chu J-S, Hosseinkhani H, Chiou J-F, Yu C-H. Biomedical nanostructured coating for minimally invasive surgery devices applications: Characterization cell cytotoxicity evaluation and an animal study in rat. *Surgical Endoscopy and Other Interventional Techniques* 2014; 28 (7) 2174- 2188.

Ou K-L, Weng C-C, Sugiatno E, Ruslin M, Lin Y-H, Cheng H-Y. Effect of nanostructured thin film on minimally invasive surgery devices applications: characterization cell cytotoxicity evaluation and an animal study in rat. *Surgical Endoscopy and Other Interventional Techniques* 2016; 30 (7) 3035-3049

Ou T, Lei X-Y, He L-B, Zhou F-J, Zhang Q-Y. Development of an Ussuri catfish *Pseudobagrus ussuriensis* skin cell line displaying differential cytopathic effects to three aquatic animal viruses. *Virus Research* 2014; 189, 56-62.

Overduin CG, Fütterer JJ, Scheenen TWJ. 3D MR thermometry of frozen tissue: Feasibility and accuracy during cryoablation at 3T. *Journal of Magnetic Resonance Imaging* 2016; 44 (6) 1572-1579

Ow CPC, Abdelkader A, Hilliard LM, Phillips JK, Evans RG. Determinants of renal tissue hypoxia in a rat model of polycystic kidney disease. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 307 (10) R1207-R1215.

Owens S, Erturk M, Ouanes J.-P, Murphy J, Wu C, Bottomley P. Evaluation of epidural and peripheral nerve catheter heating during magnetic resonance imaging. *Regional Anesthesia and Pain Medicine* 2014; 39 (6): 534-539.

Owji ZP, Gilbert G, Saint-Martin C, Wintermark P. Brain temperature is increased during the first days of life in asphyxiated newborns: Developing brain injury despite hypothermia treatment. *American Journal of Neuroradiology* 2017, 38 (11): 2180-2186.

Oya M, Murayama R, Oe M, Yabunaka K, Tanabe H, Takahashi T, Matsui Y, Otomo E, Komiyama C, Sanada H. Continuous thermographic observation may predict extravasation in chemotherapy-treated patients. *European Journal of Oncology Nursing: The Official Journal of European Oncology Nursing Society* 2017, 28: 56-61.

Oya M, Takahashi T, Yabunaka K, Sanada H, Tanabe H, Oe M, Murayama R, Tanabe H, Matsui Y. Low-temperature infiltration identified using infrared thermography in patients with subcutaneous edema revealed ultrasonographically: A case report. *Drug Discoveries & Therapeutics* 2016; 10 (2) 117-122

Oyibo WA, Ezeigwe N, Ntadom G, Oladosu OO, Rainwater-Loveth K, O'Meara W, Okpokoro E, Brieger W. Multicenter pivotal clinical trial of urine malaria test for rapid diagnosis of *Plasmodium falciparum* malaria. *Journal of Clinical Microbiology* 2017, 55 (1): 253-263.

Ozek C, Kanoski SE, Zhang Z-Y, Grill HJ, Bence KK. Protein-tyrosine phosphatase 1B (PTP1B) is a novel regulator of central brain-derived neurotrophic factor and tropomyosin receptor kinase B (TrkB) signaling. *Journal of Biological Chemistry* 2014; 289 (46) 31682-31692.

Ozeki LM, Fahlman Å, Stenhouse G, Arnemo JM, Caulkett N. Evaluation of the accuracy of different methods of monitoring body temperature in anesthetized brown bears (*Ursus arctos*) *Journal of Zoo and Wildlife Medicine* 2014; 45 (4): 819-824.

Ozenne V, Toupin S, Bour P, de Senneville BD, Lepetit-Coiffé, M, Boissenin M, Benois-Pineau J, Hansen MS, Inati SJ, Govari A, Jaïs P, Quesson B. Improved cardiac magnetic resonance thermometry and dosimetry for monitoring lesion formation during catheter ablation. *Magnetic Resonance in Medicine* 2017, 77 (2): 673-683.

Özgün Ç, Çakan T, Baltacı B, Başar H. Comparison of reversal and adverse effects of sugammadex and combination of - anticholinergic-anticholinesterase agents in pediatric patients *Journal of Research in Medical Sciences* 2014; 19 (8): 762-768.

Özmete Ö, Şener M, Bali Ç, Çalışkan E, Arıboğan A Congenital insensitivity to pain: How should anesthesia be managed? *Turkish Journal of Pediatrics* 2017, 59(1) 87-89.

Oztas Z, Selver OB, Akkin C, Canturk E, Afrashi F. Correlation of handheld infrared skin thermometer and infrared videothermography device for measurement of corneal temperature. *Eye and Contact Lens* 2016; 42 (3) 202-205

Öztürk CN, Şirinoğlu H, Öztürk C, Djohan R, Bozkurt M. The utilization of new technologies in perforator flaps: Perfusion mapping techniques [Perforatör fleplerde yeni teknolojilerin kullanımı: Perfüzyon haritalama teknikleri]. *Türk Plastik Rekonstrüktif ve Estetik Cerrahi Dergisi* 2014; 22 (3): 89-95.

- P. Dobson PhD International Immunopharmacology 2014; 19 (2): 406-408.
- Paal P, Brown D. Cardiac arrest from accidental hypothermia a rare condition with potentially excellent neurological outcome if you treat it right. Resuscitation 2014; 85 (6): 707-708.
- Padilla-Medina JA, León-Ordoñez F, Prado-Olivarez J, Vela-Aguirre N, Ramírez-Agundis A, Díaz- Carmona J. Assessment technique for acne treatments based on statistical parameters of skin thermal images. Journal of Biomedical Optics 2014; 19 (4), art. no. 046019.
- Padilla-Raygoza N, Ruiz-Paloalto ML, Díaz-Guerrero R, Olvera-Villanueva G, Maldonado A, Raygoza- Mendoza MDP. Comparison of body temperatures in children measured using 3 different thermometers: Tympanic skin and digital axillary [Correlación de mediciones de temperatura corporal con 3 termómetros: Ótico cutáneo y digital en niños mexicanos] Enfermería Clínica 2014; 24 (3): 175-182.
- Padilla-Valverde D, Sanchez-García S, García-Santos E, Marcote-Ibañez C, Molina-Robles M, Martín-Fernández J, Villarejo-Campos P. Usefulness of thermographic analysis to control temperature homogeneity in the development and implementation of a closed recirculating CO₂ chemohyperthermia model. International Journal of Hyperthermia 2017, 33 (2): 220-226.
- Padilla-Valverde D, Sanchez-García S, García-Santos E, Marcote-Ibañez C, Molina-Robles M, Martín- Fernández J, Villarejo-Campos P. Usefulness of thermographic analysis to control temperature
- Padmanabhan D, Asirvatham SJ. Friendly Fire - The Bane of Thermal Ablation. PACE - Pacing and Clinical Electrophysiology 2016; 39 (4) 313-315
- Pafili K, Papanas N. Thermography in the follow up of the diabetic foot: best to weigh the enemy is more mighty than he seems. Expert Review of Medical Devices 2015; 12(2): 131-133
- Page F, Hamnett N, Wearn C, Hardwicke J, Moiemmen N. The acute effects of electronic cigarette smoking on the cutaneous circulation. Journal of Plastic Reconstructive and Aesthetic Surgery 2016; 69 (4) 575- 577
- Paiella S, De Pastena M, Landoni L, Esposito A, Casetti L, Miotto M, Ramera M, Salvia R, Secchettin E, Bonamini D, Manzini G, D'Onofrio M, Marchegiani G, Bassi C Is there a role for near-infrared technology in laparoscopic resection of pancreatic neuroendocrine tumors? Results of the COLPAN "colour-and-resect the pancreas" study. Surgical Endoscopy and Other Interventional Techniques 2017, 31(11) 4478-4484.
- Palaniswamy C, Koruth JS, Mittnacht AJ, Miller MA, Choudry S, Bhardwaj R, Sharma D, Willner JM, Balulad SS, Vergheese E, Syros G, Singh A, Dukkipati SR, Reddy VY. The Extent of Mechanical Esophageal Deviation to Avoid Esophageal Heating During Catheter Ablation of Atrial Fibrillation. JACC: Clinical Electrophysiology 2017, 3 (10): 1146-1154.
- Palese A, Pasqualini D. The effects of earphones and music on the temperature measured by infrared tympanic thermometer: preliminary results. ORL-head and neck nursing : official journal of the Society of Otorhinolaryngology and Head-Neck Nurses 2014; 32 (2): 8-12.
- Palleti HNKT, Zhang S, Fruehmann RK, Dulieu-Barton JM, Thomsen OT. Influence of thermomechanical Interaction effects on the failure behaviour of polymer foam cored sandwich panels. Journal of Sandwich Structures & Materials 2015; 17(3): 308-331
- Palma J, Abood ME, Barbe MF, Benamar K. Functional interaction between HIV-gp120 and opioid system in the preoptic anterior hypothalamus. Drug and Alcohol Dependence 2014; 134 (1): 383- 386.
- Palmeiro-Roldán R, Fonseca-Berzal C, Gómez-Barrio A, Arán VJ, Escario JA, Torrado-Durán S, Torrado-Santiago S. Development of novel benzimidazole formulations: Physicochemical characterization and in vivo evaluation on parasitemia reduction in Chagas disease. International Journal of Pharmaceutics 2014; 472 (1-2): 110-117.
- Palmer AJ, Haggard DC, Herter JW, Scervini M, Swank WD, Knudson DL, Cherry RS. Summary of thermocouple performance during advanced gas reactor fuel irradiation experiments in the advanced test reactor and out-of-pile thermocouple testing in support of such experiments. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465501
- Palta S, Saroa R, Saini V. The endotracheal tube does not protect the aspiration of a foreign body in the trachea: A case report Revista Colombiana de Anestesiología 2014; 42 (2): 129-131.
- Paluchowska M, Jeczmiónek L. Impact of the content of ETBE, EtOH and polybutylene-succinate additives on the propensity of E10 petrol to form deposits in combustion chambers. Fuel 2015; 162: 34-38
- Palumbo D, Ancona F, Galiotti U. Quantitative damage evaluation of composite materials with microwave thermographic technique: feasibility and new data analysis. Meccanica 2015; 50(2): 443-459
- Pan H, Zhang H, Lü, Y.-H, Ma J.-L, Ma K.-J, Chen L. Correlation between five RNA markers of rat's skin and PMI at different temperatures. Journal of Forensic Medicine 2014; 30 (4): 245-249.
- Pan J, Yang Y, Yang B, Yu Y. Artificial polychromatic light affects growth and physiology in chicks. PLoS One 2014; 9 (12) Art. No. e113595.
- Pandey NK, Murali R, Augustine E, Ganesh S, Joshi JB. Kinetics of interphase transfer of zirconium between nitric acid and tributyl phosphate solutions. Journal of Radioanalytical and Nuclear Chemistry 2017, 314 (3): 1991-2001.

Pang CE, Navajas EV, Warner SJ, Heisler M, Sarunic MV. Acute macular neuroretinopathy associated with Chikungunya fever. *Ophthalmic Surgery Lasers and Imaging Retina* 2016; 47 (6) 596-599

Pantaleone C, Dymling S, Axelsson J. Optical fiber solutions for laser ablation of tissue and immunostimulating interstitial laser thermotherapy - Product development in the network of developers industry and users. *Photonics and Lasers in Medicine* 2016; 5 (1) 69-75

Pantavou K, Chatzi E, Theoharatos G. Case study of skin temperature and thermal perception in a hot outdoor environment. *International Journal of Biometeorology* 2014; 58 (6): 1163-1173.

Papaléo RM, Brioschi ML, Jacobsen Teixeira M. Thermography case report: neuropathic central pain (extended abstract). *Thermology international* 2014; 24(1) 21

Papo D. Measuring brain temperature without a thermometer. *Frontiers in Physiology* 2014; 5 MAR art. no. Article 124.

Paradee N, Sirivat A. Electrically controlled release of benzoic acid from poly(3,4- ethylenedioxythiophene)/alginate matrix: Effect of conductive poly(3,4-ethylenedioxythiophene) morphology. *Journal of Physical Chemistry B* 2014; 118 (31): 9263-9271.

Parag N, McKerrow NH, Naby F. Profile of babies born before arrival at hospital in a peri-urban setting. *SAJCH South African Journal of Child Health* 2014; 8 (2): 45-49.

Parasitology Research 2016; 115 (2) 771-777

Parida L, Neogi S, Padmanabhan V. Effect of temperature pre-exposure on the locomotion and chemotaxis of *C. elegans*. *PLoS ONE* 2014; 9 (10), art. no. e111342.

Parigger CG, Woods AC, Witte MJ, Swafford LD, Surmick DM. Measurement and analysis of atomic hydrogen and diatomic molecular AIO C2, CN and TiO spectra following laser-induced optical breakdown. *Journal of Visualized Experiments* (84), art. no. e51250.

Park AY, Cha S. Effects of cold sensitivity in the extremities on circulating adiponectin levels and metabolic syndrome in women. *BMC Complementary and Alternative Medicine* 2017, 17 (1), art. no. 150.

Park CH, Kim KH, Rios HF, Lee YM, Giannobile WV, Seol YJ. Spatiotemporally controlled microchannels of periodontal mimic scaffolds. *Journal of Dental Research* 2014; 93 (12): 1304- 1312.

Park E-Y, Kim M-H, Kim E-H, Lee E-K, Park I-S, Yang D-C, Jun H-S. Efficacy comparison of korean ginseng and american ginseng on body temperature and metabolic parameters. *American Journal of Chinese Medicine* 2014; 42 (1) 173-187.

Park HJ, Moon HS, Moon SH, Jeong HD, Jeon YJ, Han KD, Koh HJ. The effect of humidified heated breathing circuit on core body temperature in perioperative hypothermia during thyroid surgery. *International Journal of Medical Sciences* 2017, 14(8) 791-797.

Park I-K, Ha J-W, Kang D-H. Investigation of optimum ohmic heating conditions for inactivation of *Escherichia coli* O157:H7, *Salmonella enterica* serovar Typhimurium and *Listeria monocytogenes* in apple juice. *BMC Microbiology* 2017, 17 (1), art. no. 117.

Park M, Youn W, Kim D, Ko EH, Kim BJ, Kang SM, Kang K, Choi IS. Modulation of Heterotypic and Homotypic Cell–Cell Interactions via Zwitterionic Lipid Masks. *Advanced Healthcare Materials* 2017, 6(15) Article Number: 1700063.

Park N-H, Akamatsu T, Itoh T, Izu N, Shin W. Calorimetric thermoelectric gas sensor for the detection of hydrogen methane and mixed gases. *Sensors (Basel Switzerland)* 2014; 14 (5): 8350- 8362.

Park S.Y, Baek HJ, Park KS, Kim Y.C. Photoplethysmographic signals to predict the success of lumbar sympathetic blockade for lower extremity pain. *Journal of International Medical Research* 2014; 42 (4): 938-948.

Park S-J, W aterhouse J. A comparison between rhythms in forehead skin and rectal (core) temperature in sedentary subjects living in a thermally neutral environment *Biological Rhythm Research* 2014; 45 (3): 415- 428.

Parker DL, Payne A, Todd N, Hadley JR. Phase reconstruction from multiple coil data using a virtual reference coil. *Magnetic Resonance in Medicine* 2014; 72 (2): 563-569.

Parkinsonism & Related Disorders 2015; 21(8): 852-857

Parmala M, Eriksson M, Rytioja M, Tanttu J, Köhler M. Temperature measurement in human fat with T2 imaging. *Journal of Magnetic Resonance Imaging* 2016; 43 (5) 1171-1178

Parmen V, Pestean C, Ober C, Mircean M, Ognean L, Oana L. Influence of electroacupuncture on thermal changes in a soft tissue defect. *JAMS Journal of Acupuncture and Meridian Studies* 2014; 7 (5): 238-242.

Parodi D, Valderrama J, Tobar C, Besomi J, López J, Lara J, Ilic JP. Effect of warmed irrigation solution on core body temperature during hip arthroscopy for femoroacetabular impingement. *Arthroscopy - Journal of Arthroscopic and Related Surgery* 2014; 30 (1): 36-41.

Parrish JB, Teske JA. Acute partial sleep deprivation due to environmental noise increases weight gain by reducing energy expenditure in rodents. *Obesity* 2017, 25 (1): 141-146.

Parrozzani R, Midena E. Author response: Choroidal abnormalities detected by near-infrared imaging (NIR) in

pediatric patients with neurofibromatosis type 1 (NF1). *Investigative Ophthalmology and Visual Science* 2016; 57 (3), p 775

Parsa M, Harmand S, Sefiane K, Bigerelle M, Deltombe R. Effect of Substrate Temperature on Pattern Formation of Nanoparticles from Volatile Drops. *Langmuir* 2015; 31(1): 3354-3367

Pascoe D, Ring F, Vardasca R. The development of an infrared thermography pandemic fever screening course for the non-researcher/scientist operator (extended abstract). *Thermology international* 2015, 25(3) 113-114.

Pascoe D, Ring F, Vardasca R. The development of an infrared thermography pandemic fever screening course for the non-researcher/scientist operator(extended abstract). *Thermology international* 2015, 25(3) 113-114.

Pascoe D. "Assessment of Fever" by Ewa Gordzinsky and Martha Sund-Levander (book review). *Thermology international* 2015, 25(4) 207

Pascual-Alonso M, Miranda-de la Lama GC, Aguayo-Ulloa L, Ezquerro L, Villarroel M, Marin RH, Maria GA. Effect of Postweaning Handling Strategies on Welfare and Productive Traits in Lambs. *Journal of Applied Animal Welfare Science*, 2015; 18(1): 42-56

Pascual-Ramírez J, Sánchez García S, González Ruiz De La Herrán F, Villarejo Campos P, López De La Manzanara Cano C, Haya Palazuelo J, Padilla Valverde D, Martín Fernández J. Security and efficiency of a closed-system turbulent-flow circuit for hyperthermic intraperitoneal chemotherapy after cytoreductive ovarian surgery: Perioperative outputs. *Archives of Gynecology and Obstetrics* 2014; 290 (1) 121-129.

Pasha YZ, Mousa A-K, Hajjahmadi M, Mirzaee B. Effect of heat application during intramuscular injection of Vitamin K in pain prevention in neonates. *Iranian Journal of Neonatology* 2017, 8 (2): 31-35.

Pasquier M, Zurron N, Weith B, Turini P, Dami F, Carron P-N, Paal P. Deep accidental hypothermia with core temperature below 24°C presenting with vital signs. *High Altitude Medicine and Biology* 2014; 15 (1): 58-63.

Pasternak M, Samset E, D'hooge J, Haugen GU Temperature monitoring by channel data delays: Feasibility based on estimated delays magnitude for cardiac ablation. *Ultrasonics* 2017, 77: 32-37.

Pataky GJ, Ertekin E, Sehitoglu H. Elastocaloric cooling potential of NiTi Ni₂FeGa and CoNiAl. *Acta Materialia* 2015; 96: 420-427

Pate JL, Buono MJ. The physiological responses to Bikram yoga in novice and experienced practitioners. *Alternative therapies in Health and Medicine* 2014; 20 (4): 12-18.

Patel AS, Saikat P, Pravinbhai PR. Mucoadhesive microspheres containing anti-hypertensive agent: Formulation and characterization. *Current Drug Delivery* 2014; 11 (3): 322-331.

Patel TR, Chiang VLS. Laser interstitial thermal therapy for treatment of post-radiosurgery tumor recurrence and radiation necrosis. *Photonics and Lasers in Medicine* 2014; 3 (2) 95-105.

Pathak A, Kumar V, Rastogi S. Tramadol addict: A rare but real challenge for the anaesthesiologist. *Anaesthesiology Intensive Therapy* 2017, 49(3) 242-243.

Pathare S. Not all aseptic meningitis is created equal. *Hospital Pediatrics* 2017, 7(12) 765-768

Patil Y, Khirwadkar S, Belsare SM, Swamy R, Khan MS, Tripathi S, Bhoje K. R&D on divertor plasma facing components at the institute for Plasma Research. *Nukleonika* 2015; 60(2): 285-288

Pătrașcu JM, Amarandei M, Kun KN, Borugă, O, Totorean A, Andor B, Florescu S. Thermographic and microscopic evaluation of LARS knee ligament tearing. *Romanian Journal of Morphology and Embryology* 2014; 55, 1231-1235.

Patris V, Whiteley J, Argiriou O, Lama N, Georgiou H, Constantinou C, Argiriou M, Charitos C. Pyrexia in patients with uncontrolled systemic hypertension: Could they have an aortic dissection? *Journal of Thoracic Disease* 2014; 6 (12): E246-E248.

Pattmoller J, Wang J, Zemova E, Seitz B, Eppig T, Langenbacher A, Szentmary N. Correlation of corneal thickness endothelial cell density and anterior chamber depth with ocular surface temperature in normal subjects. *Zeitschrift für Medizinische Physik* 2015; 25(3): 243-250

Pattmoller M, Wang J, Pattmoller J, Zemova E, Eppig T, Seitz B, Szentmary N, Langenbacher A. Interobserver and intraobserver reliability of corneal surface temperature measurements with the TG-1000 thermograph in normal eyes. *Ophthalmologie* 2015; 112(9): 746-751

Pattmoller M, Wang J, Pattmoller J, Zemova E, Eppig T, Seitz B, Szentmary N, Langenbacher A. Interobserver and intraobserver reliability of corneal surface temperature measurements with the TG-1000 thermograph in normal eyes. *Ophthalmologie* 2015; 112(9): 746-751

Pattnaik S, Swain K, Rao JV, Varun T, Mallick S. Temperature influencing permeation pattern of alfuzosin: An investigation using DoE. *Medicina (Lithuania)* 2014 (Article in Press).

Paul SP. Using a thermal imaging camera to locate perforators on the lower limb. *Archives of Plastic Surgery* 2017, 44 (3): 243-247.

Paulides MM, Bakker JF, Hofstetter LW, Numan W CM, Pellicer R, Fiveland EW, Tarasek M, Houston GC, Van Rhoun GC, Yeo DTB, Kotek G. Laboratory prototype for experimental validation of MR-guided radiofrequency head and neck hyperthermia. *Physics in Medicine and Biology* 2014; 59 (9) 2139-2154.

- Paulides MM, Mestrom RMC, Salim G, Adela BB, Numan WCM, Drizdal T, Yeo DTB, Smolders AB. A printed Yagi-Uda antenna for application in magnetic resonance thermometry guided microwave hyperthermia applicators. *Physics in Medicine and Biology* 2017; 62 (5), art. no. 1831: 1831-1847.
- Pauling JD, Shipley JA, Hart DJ, McGrogan A, McHugh NJ. Use of Laser Speckle Contrast Imaging to Assess Digital Microvascular Function in Primary Raynaud Phenomenon and Systemic Sclerosis: A Comparison Using the Raynaud Condition Score Diary. *Journal of Rheumatology* 2015; 42(7): 1163-1168
- Pauling JD. Use of infrared thermography in the assessment of peripheral, microvascular dysfunction in Raynaud's phenomenon and systemic sclerosis. *Journal of Vascular Research* 2015; 52(Supp 1): 62
- Pavelski M, Silva DM, Leite NC, Junior DA, de Sousa RS, Guerios SD, Dornbusch PT. Infrared Thermography in Dogs with Mammary Tumors and Healthy Dogs. *Journal of Veterinary Internal Medicine* 2015; 29(6): 1578-1583
- Pavlopoulou S, Grammatikos SA, Kordatos EZ, Worden K, Paipetis AS, Matikas TE, Soutis C. Continuous debonding monitoring of a patch repaired helicopter stabilizer: Damage assessment and analysis.
- Pavord ID, Afzalnia S, Menzies-Gow A, Heaney LG. The current and future role of biomarkers in type 2 cytokine-mediated asthma management. *Clinical and Experimental Allergy* 2017, 47 (2): 148-160.
- Payne D, Bodis S, Kuster N. Introduction to the special issue dedicated to the 30th Annual Meeting of the European Society for Hyperthermic Oncology - ESHO 2015. *International Journal of Hyperthermia* 2016; 32 (1) 1-3
- Payne W.M, Hill T.K, Svehkarev D, Holmes M.B, Sajja BR, Mohs AM Multimodal imaging nanoparticles derived from hyaluronic acid for integrated preoperative and intraoperative cancer imaging. *Contrast Media and Molecular Imaging* 2017, Article Number: 9616791.
- Peacock W F, Deal NS. Is time to cooling target temperature important? *Critical Pathways in Cardiology* 2014; 13 (2): 82-83.
- Pearce J, Greenen A, Bramley P, Cruickshank D. Towards a practical Johnson noise thermometer for long-term measurements in harsh environments. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465506
- Pearson J, Lucas RAI, Schlader ZJ, Zhao J, Crandall CG, Gagnon D. Active and passive heat stress similarly compromise tolerance to a simulated hemorrhagic challenge. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 307 (7): R822-R827.
- Pech-May NW, Cifuentes A, Mendioroz A, Oleaga A, Salazar A. Simultaneous measurement of thermal diffusivity and effusivity of solids using the flash technique in the front-face configuration. *Measurement*
- Pecur IB, Bjegovic D, Bostrom L, Milovanovic B, Hajdukovic M. ETICS Fire Performance Test. In: Kodur VKR, Banthia N, eds, 5th International Workshop on Performance Protection and Strengthening of Structures under Extreme Loading (PROTECT), JUN 28-30 2015, Michigan State Univ East Lansing MI, 2015: 964-971
- Pedreira AA, Wanderley FGC, Sá, MF, Viena CS, Perez A, Hoshi R, Leite MP, Reis SRA, Medrado AP. Thermographic and clinical evaluation of 808-nm laser photobiomodulation effects after third molar extraction. *Minerva Stomatologica* 2016; 65 (4) 213-222
- Pedrosa P, Heuer-Jungemann A, Kanaras AG, Fernandes AR, Baptista PV. Potentiating angiogenesis arrest in vivo via laser irradiation of peptide functionalised gold nanoparticles. *Journal of Nanobiotechnology* 2017, 15 (1), art. no. 85.
- Peeters J, Arroud G, Ribbens B, Dirckx JJJ, Steenackers G. Updating a finite element model to the real experimental setup by thermographic measurements and adaptive regression optimization. *Mechanical Systems and Signal Processing* 2015; 64-65: 428-440
- Peikert J, Miller KC, Albrecht J, Tucker J, Deal J. Pre-exercise ingestion of pickle juice hypertonic saline or water and aerobic performance and thermoregulation. *Journal of Athletic Training* 2014; 49 (2) 204-209.
- Peleki A, Da Silva A. Novel Use of Smartphone-based Infrared Imaging in the Detection of Acute Limb Ischaemia. *EJVES Short Reports* 2016; 32 1-3
- Pellegrini F, Interlandi E, Pavesio C, Ferreyra HA. We cannot see what she cannot ignore. *Survey of Ophthalmology* 62 (6): 882-885.
- Pelletier A, Delanaud S, De Seze R, Bach V, Libert J.-P, Loos N. Does exposure to a radiofrequency electromagnetic field modify thermal preference in juvenile rats? *PLoS ONE* 2014; 9 (6), art. no. e99007.
- Peloso MP, Meng L, Bhatia CS. Combined Thermography and Luminescence Imaging to Characterize the Spatial Performance of Multicrystalline Si Wafer Solar Cells. *IEEE Journal of Photovoltaics* 2015; 5(1): 102-111
- Peña AF, Doronin A, Tuchin VV, Meglinski I. Monitoring of interaction of low-frequency electric field with biological tissues upon optical clearing with optical coherence tomography. *Journal of Biomedical Optics* 2014; 19 (8), art. no. 086002.
- Peng J, Chen Z, Cai R, Huang X, Lin L, Liang W, Xiong Z, Chen J, Chen H, Yang Y, Liu S, Jiang Q. Recovery from *Talaromyces marneffei* involving the kidney in a renal transplant recipient: A case report and literature review. *Transplant Infectious Disease* 19 (4), art. no. e12710.
- Peng JP, Tian GY, Wang L, Zhang Y, Li KI, Gao XR. Investigation into eddy current pulsed thermography for

rolling contact fatigue detection and characterization. *NDT & E International* 2015; 74: 72-80

Peng S, He Y, Er M, Sheng Y, Gu Y, Chen H. Biocompatible CuS-based nanoplateforms for efficient photothermal therapy and chemotherapy: In vivo. *Biomaterials Science* 2017, 5(3) 475-484.

Peng Y, Li F. MR temperature mapping based on proton resonance frequency for monitoring high-intensity focused ultrasound therapy. *Chinese Journal of Medical Imaging Technology* 2017, 33 (4): 612-615.

Penta S, Penta V, Lucianu B, Anghel M, Argesanu V. Thermographic investigation of Ergonomic Medical Posture in Dentistry. *REVISTA DE CHIMIE* 2015; 66(7): 972-975

Pera DT, Planello JF, Cancino J, Polikarpov I, Zucolotto V, Da Silva De Avó, LR, Germano CMR, Melo DG. Effects of 3,5,3'-Triiodothyroacetic Acid Nanoencapsulated or Not on Intact and Atrophic Skin in Rats.

Peregrina-Barreto H, Morales-Hernandez LA, Rangel-Magdaleno JJ, Avina-Cervantes JG, Ramirez-Cortes JM, Morales-Caporal R. Quantitative estimation of temperature variations in plantar angiosomes: A study case for diabetic foot. *Computational and Mathematical Methods in Medicine* 2014; art. no. 585306.

Pereira AA, Brioschi ML, Jacobsen Teixeira. The role of thermography in evaluation of the sympathetic nervous system (extended abstract). *Thermology international* 2014; 24(1) 15

Pereira AMF, Titto EL, Infante P, Titto CG, Geraldo AM, Alves A, Leme TM, Baccari F, Almeida JA. Evaporative heat loss in bos taurus: Do different cattle breeds cope with heat stress in the same way? *Journal of Thermal Biology* 2014; 45: 87-95.

Pereira CB, Yu X, Blazek V, Venema B, Leonhardt S. Multisensor data fusion for enhanced respiratory rate estimation in thermal videos. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS* 2016; 2016-October art no 7590965 1381-1384

Pereira CB, Yu XC, Czaplik M, Rossaint R, Blazek V, Leonhardt S. Remote monitoring of breathing dynamics using Infrared thermography. *Biomedical Optics Express* 2015; 6(1)1: 4378-4394

Perez L, Autrique L. Glued structures inspection based on lock-in thermography. In: Meriaudeau F, Aubreton O, eds, *Proceedings of SPIE 12th International Conference on Quality Control by Artificial Vision*, JUN 03-05 2015, Le Creusot France, 2015; pp. 95341K-95341K-7.

Perez-Bueno ML, Pineda M, Diaz-Casado E, Baron M. Spatial and temporal dynamics of primary and secondary metabolism in *Phaseolus vulgaris* challenged by *Pseudomonas syringae*. *Physiologia Plantarum* 2015; 153 (1): 161-174

Perez-Sanchez JC, Piedecausa-Garcia B. Crossing domes of temples in the province of Alicante (17th- 19th centuries): construction and geometry. *Informes De La Construcción* 2015; 67(538) e077

Perez-Sanz F, Navarro PJ, Egea-Cortines M. Plant phenomics: An overview of image acquisition technologies and image data analysis algorithms. *GigaScience* 2017, 6 (11), art. no. gix092.

Périard JD, Racinais S, Knez W L, Herrera CP, Christian RJ, Girard O. Thermal physiological and perceptual strain mediate alterations in match-play tennis under heat stress. *British Journal of Sports Medicine* 2014; 48 (SUPPL. 1): i32-i38.

Périard JD, Racinais S, Knez W L, Herrera CP, Christian RJ, Girard O. Coping with heat stress during match-play tennis: Does an individualised hydration regimen enhance performance and recovery. *British Journal of Sports Medicine* 2014; 48 (SUPPL. 1): i64-i70.

Périard JD, Racinais S, Thompson MW. Adjustments in the force-frequency relationship during passive and exercise-induced hyperthermia. *Muscle and Nerve* 2015, 50 (5): 822-829.

Perkins RI, Hosea JC, Jaworski MA, Ahn JW, Diallo A, Bell RE, Bertelli N, Gerhardt S, Gray TK, Kramer GJ, LeBlanc BP, McLean A, Phillips CK, Podesta M, Roquemore L, Sabbagh S, Taylor G, Wilson JR. R, The contribution of radio-frequency rectification to field-aligned losses of high-harmonic fast wave power to the divertor in the National Spherical Torus experiment. *Physics of Plasmas* 2015; 22(4) 042506

Perl T, Peichl LH, Reyntjens K, Deblaere I, Zaballos JM, Bräuer A. Efficacy of a novel prewarming system in the prevention of perioperative hypothermia. A prospective randomized multicenter study. *Minerva Anestesiologica* 2014; 80 (4): 436-443.

Perpina X, Werkhoven RI, Vellvehj M, Jakovenko J, Jorda X, Kunen JMG, Bancken P, Bolt PJ. Thermal Analysis of LED Lamps for Optimal Driver integration. *IEEE Transactions On Power Electronics* 2015; 30(7): 3876-3891

Perreard IM, Reeves DB, Zhang X, Kuehler E, Forauer ER, Weaver JB. Temperature of the magnetic nanoparticle microenvironment: Estimation from relaxation times. *Physics in Medicine and Biology* 2014; 59 (5) 1109-1119.

Pescini E, Francioso L, De Giorgi MG, Ficarella A. Investigation of a Micro Dielectric Barrier Discharge Plasma Actuator for Regional Aircraft Active Flow Control. *IEEE Transactions On Plasma Science* 2015; 43(1)0: 3668-3680

Peters JA. The reliability of parameters obtained by fitting of ¹H NMRD profiles and ¹⁷O NMR data of potential Gd³⁺-based MRI contrast agents. *Contrast Media and Molecular Imaging* 2016; 11 (2) 160-168

Petersen B, Philipsen PA, Wulf HC. Skin temperature during sunbathing-relevance for skin cancer. *Photochemical and Photobiological Sciences* 2014; 13 (8) 1123-1125.

Peterson CM, Orooji M, Johnson DN, Naraghi-Pour M, Ravussin E. Brown adipose tissue does not seem to mediate metabolic adaptation to overfeeding in men. *Obesity* 2017, 25 (3): 502-505.

Petrofsky J, Laymon M, Khowailed IA. Thermal response to a combination of a lipolytic cream An elastic abdominal belt and abdominal exercise. *Journal of Applied Research* 2014; 14 (1): 1-6.

Petrofsky JS, Laymon M, Khowailed IA. The effect of a slimming system including a lipolytic cream and an isometric abdominal exercise regime and a garment on skin temperature. *Journal of Allied Research* 2014; 14 (1) 7-11.

Petrova EV, Ermilov SA, Su R, Nadvoretzkiy V, Conjusteau A, Oraevsky AA. Temperature dependence of Grüneisen parameter in optically absorbing solutions measured by 2D optoacoustic imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 8943, Art. No. 89430S .

Petrova EV, Motamedi M, Oraevskya AA, Ermilov SA. In vivo cryoablation of prostate tissue with temperature monitoring by optoacoustic imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9708, art no 97080G

Petrova NL, Edmonds ME. Conservative and Pharmacologic Treatments for the Diabetic Charcot Foot. *Clinics in Podiatric Medicine and Surgery* 2017, 34 (1): 15-24.

Petrova NL, Tang W, MacDonald A, Lomas C, Ainarkar S, Bevans J, Allen J, Plassmann P, Kluwe B, Rogers L, McMillan J, Whittam A, Simpson R, Machin G, Edmonds ME. The use of thermal imaging in three follow-up of healed diabetic foot ulcers (abstract). *Thermology international* 2017; 27 (2) 71-72.

Petrusca L, Auboiron V, Goget T, Viallon M, Muller A, Gross P, Becker CD, Salomir R. A nonparametric temperature controller with nonlinear negative reaction for multi-point rapid MR- Guided HIFU ablation. *IEEE Transactions on Medical Imaging* 2014; 33 (6) Art. No. 6763076, 1324-1330.

Petrusca L, Salomir R, Manasseh G, Becker CD, Terraz S. Spatio-temporal quantitative thermography of pre-focal Interactions between high intensity focused ultrasound and the rib cage. *International Journal of Hyperthermia* 2015; 31(4): 421-432

Pharmacology Biochemistry and Behavior 2014; 122, 136-143.

Phelps A, Gates AJ, Eastaugh L, Hillier M, Ulaeto DO. Comparative Efficacy of Intramuscular and Scarification Routes of Administration of Live Smallpox Vaccine in a Murine Challenge Model. *Vaccine* 2017, 35 (31): 3889-3896.

Phielipp NM, Saha U, Sankar T, Yugeta A, Chen R. Safety of repetitive transcranial magnetic stimulation in patients with implanted cortical electrodes. An ex-vivo study and report of a case. *Clinical Neurophysiology* 2017, 128 (6): 1109-1115.

Physics in Medicine and Biology 2016; 61 (3) 1057-1077

Piasecka M, Maciejewska B. Analysis of heat transfer coefficient for variable spatial orientation of a minichannel with an enhanced surface at incipience of boiling. In: Dancova P, Vit T, eds, 9th International Conference on Experimental Fluid Mechanics, NOV 18-21, 2014, Cesky Krumlov Czech Republic 2015. S. 02068

Piasecka M, Maciejewska B. Heat transfer coefficient during flow boiling in a minichannel at variable spatial orientation. *Experimental Thermal and Fluid Science* 2015; 68: 459-467

Piasecka M. Correlations for flow boiling heat transfer in minichannels with various orientations. *International Journal of Heat and Mass Transfer* 2015; 81: 114-121

Piasecka M. Impact of Selected Parameters On Refrigerant Flow Boiling Heat Transfer and Pressure Drop in Minichannels. *International Journal of Refrigeration-Revue Internationale Du Froid* 2015; 56: 198-212

Piazena H, Pittermann W, Müller W, Jung K, Kelleher DK, Herrling T, Meffert P, Uebelhack R, Kietzmann

Piccione G, Rizzo M, Casella S, Marafioti S, Fazio F. Application of the iButton® for measurement of the rumen temperature circadian rhythms in lambs. *Biological Rhythm Research* 2014; 45 (3) 375- 381.

Picco V, Courtial L, Pagès G, Ferrier-Pagès C Validation of commercial ERK antibodies against the ERK orthologue of the scleractinian coral *Stylophora pistillata*. *F1000Research* 2017, 6 Article Number: 577.

Pichardo S, Köhler M, Lee J, Hynnyen K. In vivo optimisation study for multi-baseline MR-based thermometry in the context of hyperthermia using MR-guided high intensity focused ultrasound for head and neck applications. *International Journal of Hyperthermia* 2014; 2014; 30 (8) 579-592.

Pierard M, Hall C, von Borstel UK, Averis A, Hawson L, McLean A, Nevison C, Visser K, McGreevy P. Evolving protocols for research in equitation science. *Journal of Veterinary Behavior-Clinical Applications and Research* 2015; 10(3): 255-266

Pieri M, Belletti A, Oriani A, Landoni G, Latib A, Mangieri A, Colombo A, Zangrillo A, Monaco F. Anesthetic Management of Cardioband Implantation: Data from a Preliminary Experience and New Insights. *Journal of Cardiothoracic and Vascular Anesthesia* 2017, 31 (2): 482-488.

Pillai RG, Al Naieb Z, Angamuthu S, Mundackal T. Diode laser vaporisation of the prostate vs. diode laser under cold irrigation: A randomised control trial. *Arab Journal of Urology* 2014; 12 (4): 245-250.

[Pineiro C, Vizcaino E, Morales J, Manso A, Diaz I, Montalvo G. Applications of the thermography in the animal](#)

production. In: Meriaudeau F, Aubreton O, eds Proceedings of SPIE 12th International Conference on Quality Control by Artificial Vision JUN 03-05 2015, Le Creusot France, 2015; 95341L-95341L-9.

Pinheiro BV. Thermography as a tool for monitoring the interface between the noninvasive ventilation mask and the skin [Termografia como ferramenta de monitorização do acoplamento da máscara de ventilação não invasiva à pele subjacente]. *Jornal Brasileiro de Pneumologia* 2017, 43 (2): 81-82.

Pinheiro JMB, Furdon SA, Boynton S, Dugan R, Reu-Donlon C, Jensen S. Decreasing hypothermia during delivery room stabilization of preterm neonates. *Pediatrics* 2014; 133 (1): e218-e226.

Pinho Júnior EA, Brito CJ, Santos WO.C, Valido CN, Mendes EL, Franchini E. Influence of cryotherapy on muscle damage markers in jiu-jitsu fighters after competition: A cross-over study. *Revista Andaluza de Medicina del Deporte* 2014; 7 (1): 7-12.

Pinichjindasup A, Homvises B, Muengtaweepongsa S. Therapeutic hypothermia with extracorporeal membrane oxygenation (ECMO) and surface cooling in post-cardiac arrest patients: 4 Case Reports. *Journal of the Medical Association of Thailand* 2014; 97: S223-S227.

Pino CJ, Westover AJ, Buffington DA, Humes HD. Bioengineered renal cell therapy device for clinical translation. *ASAIO Journal* 2017, 63(3) 305-315.

Pinti P, Merla A, Aichelburg C, Lind F, Power S, Swingler E, Hamilton A, Gilbert S, Burgess PW, Tachtsidis I A novel GLM-based method for the Automatic Identification of functional Events (AIDE) in fNIRS data recorded in naturalistic environments. *NeuroImage* 2017, 155: 291-304.

Piper RJ, Hughes MA, Moran CM, Kandasamy J. Focused ultrasound as a non-invasive intervention for neurological disease: a review. *British Journal of Neurosurgery* 2016; 30 (3) 286-293

Pisano R, Fissore D, Barresi AA. A new method based on the regression of step response data for monitoring a freeze-drying cycle. *Journal of Pharmaceutical Sciences* 2014; 103 (6): 1756-1765.

Pisipati S, Smith KA, Shah K, Ebersole K, Chamoun RB, Camarata PJ. Intracerebral laser interstitial thermal therapy followed by tumor resection to minimize cerebral edema. *Neurosurgical Focus* 2016; 41 (4), art no E13

Pitarma R, Crisotomo J, Jorge L. Measurement of Materials Emissivity Supported by Image Software. In: Rocha A, Dias GP, Martins A, Reis LP, Cota MP, eds, 10th Iberian Conference on information Systems and Technologies (CISTI) CY JUN 17-20 2015, Univ Aveiro Sch Technol & Agueda Management Agueda Portugal, 2015. 1-5

Pitarresi G, Tumino D, Mancuso A Thermo-Mechanical Behaviour of Flax-Fibre Reinforced Epoxy Laminates for industrial Applications. *Materials* 2015; 8(1)1: 7371-7388

Pitarresi G. Lock-in Signal Post-Processing Techniques in Infra-Red Thermography for Materials Structural Evaluation. *Experimental Mechanics* 2015; 55(4): 667-680

Pitchford NW, Fell JW, Leveritt MD, Desbrow B, Shing CM. Effect of caffeine on cycling time-trial performance in the heat. *Journal of Science and Medicine in Sport* 2014; 17 (4): 445-449.

Pizzorni C, Sulli A, Smith V, Lladó, A, Paolino S, Cutolo M, Ruaro B. Capillaroscopy in 2016: New perspectives in systemic sclerosis. *Acta Reumatologica Portuguesa* 2016; 2016 (1) 8-14

Plekhov O, Naimark O, Semenova I, Polyakov A, Valiev R. Experimental study of thermodynamic and fatigue properties of submicrocrystalline titanium under high cyclic and gigacyclic fatigue regimes.

Pletzer TM, van Molken JI, Rilssand S, Breitenstein O, Knoch J. Influence of cracks on the local current- voltage parameters of silicon solar cells. *Progress in Photovoltaics* 2015; 23(4): 428-436

Pliquett U, Nuccitelli R. Measurement and simulation of Joule heating during treatment of B-16 melanoma

Pluyter JR, Rutkowski A.-F, Jakimowicz JJ. Immersive training: Breaking the bubble and measuring the heat. *Surgical Endoscopy and Other Interventional Techniques* 2014; 28 (5): 1545- 1554.

Podichetty JT, Bhaskar PR, Khalf A, Madihally SV. Modeling pressure drop using generalized scaffold characteristics in an axial-flow bioreactor for soft tissue regeneration. *Annals of Biomedical Engineering* 2014; 42 (6): 1319-1330.

Podsiadło P, Darocha T, Kosiński S, Sałapa K, Ziętkiewicz M, Sanak T, Turner R, Brugger H. Severe Hypothermia Management in Mountain Rescue: A Survey Study. *High Altitude Medicine and Biology* 2017, 18 (4): 411-416.

Pol H, Banik S, Azad LB, Thete S, Doshj P, Lele A. Influence of Macromolecular Architecture on Necking in Polymer Extrusion Film Casting Process. In: Jana SC, ed, 30th International Conference of the Polymer-Processing-Society (PPS) JUN 06-12, 2014, Cleveland OH, 2015; 1664. 080006

Polat M, Kara SS, Tezer H, Tapisiz A, Derinöz O, Dolgun A. A current analysis of caregivers' approaches to fever and antipyretic usage. *Journal of Infection in Developing Countries* 2014; 8 (3): 365-371.

Polderman KH, Varon J. When better is the enemy of good: The optimal heart rate during therapeutic cooling. *Critical Care Medicine* 2014; 42 (11): 2452-2454.

Polidori G, Renard Y, Lorimier S, Pron H, Derruau S, Taiar R. Medical Infrared Thermography assistance in the surgical treatment of axillary Hidradenitis Suppurativa: A case report. *International Journal of Surgery Case Reports* 2017, 34: 56-59.

Pomeroy JW, Kuball M. Solid immersion lenses for enhancing the optical resolution of thermal and electroluminescence mapping of GaN-on-SiC transistors. *Journal of Applied Physics* 2015; 118(14) 144501

Pomeroy JW, Uren MJ, Lambert B, Kuball M. Operating channel temperature in GaN HEMTs: DC versus RF accelerated life testing. *Microelectronics Reliability* 2015; 55(12): 2505-2510

Pongvongsa T, Nonaka D, Iwagami M, Nakatsu M, Phongmany P, Nishimoto F, Kobayashi J, Hongvanthou B, Brey PT, Moji K, Mita T, Kano S. Household clustering of asymptomatic malaria infections in Xepon district Savannakhet province Lao PDR. *Malaria Journal* 2016; 15 (1), art no 508

Ponsi G, Panasiti MS, Rizza G, Aglioti SM. Thermal facial reactivity patterns predict social categorization bias triggered by unconscious and conscious emotional stimuli. *Proceedings. Biological Sciences* 2017, 284:1861.

Pontes SMM, Melo LHP, Maia NPS, Nogueira ANC, Vasconcelos TB, Pereira EDB, Bastos VPD, Holanda MA. Influence of the ventilatory mode on acute adverse effects and facial thermography after noninvasive ventilation [Influência do modo ventilatório nos efeitos adversos agudos e na termografia da face após ventilação não invasiva]. *Jornal Brasileiro de Pneumologia* 2017, 43 (2): 87-94.

Poole CF, Lenca N. Applications of the solvation parameter model in reversed-phase liquid chromatography. *Journal of Chromatography A* 2017, 1486: 2-19.

Poon S, Nixon R, Wendolowski S, Gecelter R, Chen YH, DiMauro J-P, Amaral T, Graver A, Grande DA. A pilot cadaveric study of temperature and adjacent tissue changes after exposure of magnetic-controlled growing rods to MRI. *European Spine Journal* 2017, 26 (6): 1618-1623.

Poorman ME, Chaplin VL, Wilkens K, Dockery MD, Giorgio TD, Grissom WA, Caskey CF. Open-source small-animal magnetic resonance-guided focused ultrasound system. *Journal of Therapeutic Ultrasound* 2016; 4 (1), art no 22

Pop SI, Dudescu M, Merie VV, Pacurar M, Bratu CD. Evaluation of the mechanical properties and surface topography of as-received immersed and as-retrieved orthodontic archwires. *Clujul Medical* 2017, 90 (3): 313-326.

Popkov DA, Kononovich NA, Shutov RB. [The effect of tibial transphyseal reinforcement on the growth and response of leg tissues]. *Rossiiskii fiziologicheskii zhurnal imeni IM. Sechenova / Rossiiskaia akademiia nauk* 2014; 100 (7): 881-890.

Popov TA, Kralimarkova TZ, Labor M, Plavec D. The added value of exhaled breath temperature in respiratory medicine. *Journal of Breath Research* 2017, 11 (3), art. no. 034001.

Popov TA, Kralimarkova TZ. Exhaled breath temperature measurement: Applicability in childhood. *Pediatric pulmonology* 2016; 51 (1) 91-92

Popova OH, Small MJ, McCoy ST, Thomas A.C, Rose S, Karimi B, Carter K, Goodman A. Spatial stochastic modeling of sedimentary formations to assess CO₂ storage potential. *Environmental Science and Technology* 2014; 48 (11): 6247-6255.

Portillo-Soto A, Eberman LE, Demchak TJ, Peebles C. Comparison of blood flow changes with soft tissue mobilization and massage therapy. *Journal of Alternative and Complementary Medicine* 2014; 20 (12): 932-935.

Posta J, Dolejs J. Non-Destructive Assessment of Timber Elements with an Emphasis on Radiometry. *International Journal of Architectural Heritage* 2015; 9(6): 655-664

Pöttler M, Cicha I, Lyer S, Janko C, Friedrich RP, Alexiou C. Journal watch: Diagnostic nanoparticles. *Nanomedicine* 2017, 12 (3): 181-184.

Poudel A, Shrestha SS, Sandhu JS, Chu TP, Pergantis CG. Comparison and analysis of Acoustography with other NDE techniques for foreign object inclusion detection in graphite epoxy composites. *Composites Part B-Engineering* 2015; 78: 86-94

Poulsen C, Wakeman DG, Atefi SR, Luu P, Konyan A, Bonmassar G. Polymer thick film technology for improved simultaneous dEEG/MRI recording: Safety and MRI data quality. *Magnetic Resonance in Medicine* 2017, 77 (2): 895-903.

Power M, Pomeroy JW, Otoki Y, Tanaka T, Wada J, Kuzuhara M, Jantz W, Souzis A, Kuball M. Measuring the thermal conductivity of the GaN buffer layer in AlGaIn/GaN, HEMTs. *Physica Status Solis Science* 2015; 212(8): 1742-1745

Power M, Pomeroy JW, Otoki Y, Tanaka T, Wada J, Kuzuhara M, Jantz W, Souzis A, Kuball M. Measuring the thermal conductivity of the GaN buffer layer in AlGaIn/GaN, HEMTs. *Physica Status Solis Science* 2015; 212(8): 1742-1745

Powers JC. Measuring fire: Herman boerhaave and the introduction of thermometry into chemistry. *Osiris* 2014; 29 (1): 158-177.

Pozega E, Ivanov S, Stevic Z, Karanovic L, Tomanec R, Gomidzelovic L, Kostov A. Identification and characterization of single crystal Bi₂Te₃-xSex alloy. *Transactions of Nonferrous Metals Society of China* 2015; 25(1)3279-3285

Prabha S, Suganthj SS, Sujatha CM. An approach to analyze the breast tissues in Infrared images using nonlinear adaptive level sets and Riesz transform features. *Technology and Health Care* 2015; 23(4): 429- 442

Prakash R, Balaji Ganesh A, Sivabalan S Network Coded Cooperative Communication in a Real-Time Wireless Hospital Sensor Network. *Journal of Medical Systems* 2017, 41(5) Article Number: 72.

Prasad SS, Ramachandra L, Kumar V, Dave A, Mestha LK, Venkatarmani K. Evaluation of efficacy of thermographic breast imaging in breast cancer: A pilot study. *Breast Disease* 2016; 36 (4) 143-147

Predina JD, Newton A, Kennedy G, Lee MK, Singhal S. Near-Infrared Intraoperative Imaging Can Successfully Identify Malignant Pleural Mesothelioma After Neoadjuvant Chemotherapy. *Molecular imaging* 2017, 16: 1536012117723785.

Presseau J, Mutsaers B, Al-Jaishi AA, Squires J, McIntyre CW, Garg AX, Sood MM, Grimshaw JM, Bagga A, Charest A, Steele A, Jain A, Lok C, Berry D, Perkins D, Harvey R, Wadehra D, Benjamin D, Iliescu E, Rabin E, Hanson G, Nesrallah G, Sasal J, Sontrop JM, Gregor L, Lam L, Parmar M, Oliver M, Walsh M, Delbrouck N, Chan P, Tam P, Watson P, Blake P, Zager P, Devereaux PJ, Mustafa R, Acedillo R, Goluch R, Wald R, Pandeya S, Dixon S, Schulman T, Wodchis W. Barriers and facilitators to healthcare professional behaviour change in clinical trials using the Theoretical Domains Framework: A case study of a trial of individualized temperature-reduced haemodialysis. *Trials* 2017, 18 (1), art. no. 227.

Priego Quesada JI, Gil-Calvo M, Jimenez-Perez I, Lucas-Cuevas ÁG, Pérez-Soriano P. Relationship between foot eversion and thermographic foot skin temperature after running. *Applied Optics* 2017, 56(19) 5559-5565.

Priego Quesada JI, Martínez N, Cibrián Ortiz de Anda RM1, Psikuta A, Annaheim S, Pérez-Soriano P, Rossi RM, Corberán JM, Palmer RS. 11 Regional differences in skin temperature between two intensities of cycling (extended abstract). *Thermology international* 2015, 25(3) 145-146

Priesand S, Wyckoff J, Wrobel J, Schmidt B. Acute pseudogout of the foot following Parathyroidectomy: A case report. *Clinical Diabetes and Endocrinology* 2017, 3(1) Article Number: 10.

Prindeze NI, Fathi P, Mino MJ, Mauskar NA, Travis TE, Paul DW, Moffatt LT, Shupp JW. Examination of the Early Diagnostic Applicability of Active Dynamic Thermography for Burn Wound Depth Assessment and Concept Analysis. *Journal of Burn Care & Research* 2015; 36(6): 626-635

Prindeze NI, Hoffman HA, Carney BC, Moffatt LT, Loew MH, Shupp JW. Evaluation of the variable depth resolution of active dynamic thermography on human skin. In: Kurachi C, Svanberg K, Tromberg BJ, Bagnato VS, eds *Proceedings of SPIE Joint Meeting of the 1st SPIE Conference on Biophotonics South America (BSA) / 15th World Congress of the International-Photodynamic-Association (IPA) MAY 23-25 2015, Rio de Janeiro Brazil, 2015*; pp. 95310P-95310P-5.

Prindeze NJ, Fathi P, Mino MJ, Mauskar NA, Travis TE, Paul DW, Moffatt LT, Shupp JW. Examination of the Early Diagnostic Applicability of Active Dynamic Thermography for Burn Wound Depth Assessment and Concept Analysis. *Journal of Burn Care and Research* 2014, (article in press)

Prindeze NJ, Hoffman HA, Ardanuy JG, Zhang J, Carney BC, Moffatt LT, Shupp JW. Active dynamic thermography is a sensitive method for distinguishing burn wound conversion. *Journal of Burn Care and Research* 2016; 37 (6) e559-e568

Proceedings of The Institution of Mechanical Engineers Part C-Journal of, Mechanical Engineering Science 2015; 229(7): 1271-1279

Progress in Biomedical Optics and Imaging - Proceedings of SPIE. Progress in Biomedical Optics and Imaging - Proceedings of SPIE 2016; 9706 2016; 378 p

Pron H, Taiar R, Bui HT, Lestriez P, Polidori G. Infrared thermography applied to the study of the thermal behavior of wheelchair cushion. *Computer Methods in Biomechanics and Biomedical Engineering* 2017, 20 (Supplement 1) 167-168.

Prosser W, Jaillard P, Assy E, Brown ST, Matsinhe G, Dekoun M, Lee BY. System redesign of the immunization supply chain: Experiences from Benin and Mozambique. *Vaccine* 2017, 35 (17): 2162-2166.

Provencio JJ, Badjatia N. Monitoring Inflammation (Including Fever) in Acute Brain Injury. *Neurocritical Care* 2015, 21 (2): 177-186.

Pruitt R, Gamble A, Black K, Schulder M, Mehta AD. Complication avoidance in laser interstitial thermal therapy: Lessons learned. *Journal of Neurosurgery* 2017, 126 (4): 1238-1245.

Prymula R, Bergsaker MR, Esposito S, Gothefors L, Man S, Snegova N, Štefkovičova M, Usonis V, Psikuta A, Niedermann R, Rossi RM. Effect of ambient temperature and attachment method on surface temperature measurements. *International Journal of Biometeorology* 2014; 58 (5): 877- 885.

Pu Y-Q, Xiao F, He S, Wang C, Peng G-W, Liu Y. Synthesis of the p-tert-butyl calix [4] arene symmetrical sulfide derivatives and its extraction properties towards U(VI) from aqueous solution. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 2137-2143.

Pucci M, Cicero C, Orazi N, Mercuri F, Zammit U, Paoloni S, Marinelli M. Active Infrared thermography applied to the study of a painting on paper representing the Chigi's family tree. *Studies in Conservation* 2015; 60(2): 88-96

Puissant C, Abraham P, Durand S, Humeau-Heurtier A, Faure S, Leftheriotis G, Mahé, G. Assessment of endothelial function by acetylcholine iontophoresis: Impact of inter-electrode distance and electrical cutaneous resistance. *Microvascular Research* 2014; 93: 114-118.

- Purkayastha J, Lewis LE, Bhat Y, R, KM, A. Feasibility and Safety of Therapeutic Hypothermia and Short Term Outcome in Neonates with Hypoxic Ischemic Encephalopathy. *Indian Journal of Pediatrics* 2016; 83 (2) 175-177
- Purohit RC, Schumacher J, Pascoe DD, Wolfe DF, Caldwell M, Passler T, Wensink I. Thermographic Evaluation of Dermatome Patterns in Various Animal Species (extended abstract). *Thermology international* 2015, 25(1) 32
- Purohit RC, Wolfe DF, Carson RL, Hudson RS, Heath A, Pablo C, Schumacher J, Pascoe DD. Thermographic evaluation of testis and scrotum in various animal species (extended abstract). *Thermology international* 2015, 25(1) 33
- Pušnik I, Čuk I, Hadžič, V. Influence of new anatomic ring design on palm skin temperature. *Science of Gymnastics Journal* 2017, 9 (1): 61-70.
- Pypkowska A, Szczesniak A, Jung A. The analysis of the cooling process of the breast area in women under thermographic monitoring (extended abstract). *Thermology international* 2016, 26 (Supplement) S11
- Pysyk CL, Abdulla KR, Boet S. Goldilocks and the perioperative patient: not too hot not too cold. *Acta Anaesthesiologica Scandinavica* 2017, 61 (4): 460-461.
- Qayoum A, Panigrahy PK. Combined influence of Synthetic Jet and Surface-Mounted Rib on Heat Transfer in a Square Channel. *Journal of Heat Transfer-Transactions of The ASME*, 2015; 137(12) 121004
- Qayoum A, Panigrahy PK. Synthetic Jet Interaction with Approaching Turbulent Boundary Layer for Heat Transfer Enhancement. *Heat Transfer Engineering* 2015; 36(4): 352-367
- Qi L, Wang X, Wu P-L. Changes of root surface temperature generated by different bypassing warm gutta- percha obturation methods. *Chinese Journal of Tissue Engineering Research* 2014; 18 (25): 4009-4013.
- Qi T-L, Zhou Y-H, Yuan J-J, Li Z-S, Wang Z-Y, Chang Y-Z, Zhao E-X, Cheng D, Hou J-K, Tian Y, Chen G- Z, Mao Y-Y, Ren Y, Zhang L-R, Kan Q-C, Zhang W. Effect of ABCB1 rs12720464 and rs1055302 polymorphisms in Chinese patients on the time course of action of rocuronium administered as a single dose. *International Journal of Clinical Pharmacology and Therapeutics* 2016; 54 (6) 462-470
- Qi W, Suzuki Y, Fujiwara M, Saito T, Suzuki S, Abeygunawardhana PK, Wada K, Nishiyama A, Ishimaru I. Measurement of the mid-infrared fourier spectroscopic imaging of whole human face by portable apparatusSize: 50*50mm Weight: 200g). *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014;9268, art. no. 92681V.
- Qi Y, Ma L, Kang Z, Bai Y, Yin B, Jian S. Highly sensitive curvature sensor based on a multicladding fiber sandwiched dual no-core fibers structure. *Applied Optics* 2014; 53 (28): 6382- 6388.
- Qiao F, Longley KR, Feng S, Schnack S, Gao H, Li Y, Schlenker EH, Wang H. Reduced body weight gain in ubiquilin-1 transgenic mice is associated with increased expression of energy-sensing proteins. *Physiological Reports* 2017, 5 (8), art. no. e13260.
- Qiao L, Yoo HS, Bosco C, Lee B, Feng G-S, Schaack J, Chi N-W, Shao J. Adiponectin reduces thermogenesis by inhibiting brown adipose tissue activation in mice. *Diabetologia* 2014; 57 (5): 1027-1036.
- Qiao YB, Chen YN, Zhao DY, Zhang HF. Thermal crosstalk characteristics in high-power 808 nm AlGaAs/GaAs laser diode bars. *Journal of Infrared and Millimeter Waves* 2015; 34(1): 10-13
- Qiu C, Khalizov AF, Hogan B, Petersen EL, Zhang R. High sensitivity of diesel soot morphological and optical properties to combustion temperature in a shock tube *Environmental Science and Technology* 2014; 48 (11): 6444-6452.
- Qiu QW, Lau D. Experimental evaluation on the effectiveness of acoustic-laser technique towards the FRP-bonded concrete system. In: Shull PJ, ed *Proceedings of SPIE Conference on Structural Health*
- Qiu T, Teng Y, Tong J, Tao W, Xu L. Recurrent female adnexal tumor of probably Wolffian origin: A case report. *Taiwanese Journal of Obstetrics and Gynecology* 2017, 56 (3): 382-384.
- Quesada JIP, Carpes FP, Bini RR, Palmer RS, Perez-Soriano P, de Anda RMCO. Relationship between skin temperature and muscle activation during incremental cycle exercise. *Journal of Thermal Biology* 2015; 48: 28-35
- Quesada JIP, Guillamon NM, de anda RMCO, Psikuta A, Annaheim S, Rossi RM, Salvador JMC, Perez- Soriano P, Palmer RS. Effect of perspiration on skin temperature measurements by Infrared thermography and contact thermometry during aerobic cycling. *Infrared Physics & Technology* 2015; 72: 68-76
- Quesada JIP, Lucas-Cuevas AG, Gil-Calvo M, Gimenez JV, Aparicio I, de anda RMCO, Palmer RS, Llana- Belloch S, Perez-Soriano P. Effects of graduated compression stockings on skin temperature after running. *Journal of Thermal Biology* 2015; 52: 130-136
- Quevedo AS, Mørch CD, Andersen OK, Coghill RC. Lateral inhibition during nociceptive processing. *Pain* 2017, 158 (6): 1046-1052.
- Quinn CM, Duran RM, Audet GN, Charkoudian N, Leon LR. Cardiovascular and thermoregulatory biomarkers of heat stroke severity in a conscious rat model. *Journal of Applied Physiology* 2014; 117 (9): 971-978.
- Quirouet A, Bhattacharyya PK, Dielubanza EJ, Gill BC, Jones SE, Goldman HB. Sacral Neuromodulation Device Heating During Lumbar and Pelvic Magnetic Resonance Imaging—a Phantom Study. *Urology* 2017, 107: 61-66.
- Quorllo BA, Riggins D, Comyn A, Zewde MT, Breitschwerdt EB. Development and validation of a sensitive and

specific sodB-based quantitative PCR assay for molecular detection of Ehrlichia species. *Journal of Clinical Microbiology* 2014; 52 (11): 4030-4032.

Rabbani F, Ajaz H, Zimmermann I, Johnsson M. Synthesis crystal structure and thermal decomposition of the new cadmium selenite chloride Cd₄(SeO₃)₂OCl₂. *PLoS ONE* 2014; 9 (5), art. no. e97175.

Rabin I, Shpolanski U, Leibovitz A, Bass A. Preprogrammed oscillations improve lower limb blood flow and walking distance in patients with peripheral arterial disease. *Israel Medical Association Journal* 2014; 16 (7): 423-426.

Raccurt CP, Brasseur P, Cicéron M, Parke DM, Zervos MJ, Boncy J. In vivo study of Plasmodium falciparum chloroquine susceptibility in three departments of Haiti. *Malaria Journal* 2017, 16(1) Article Number: 313

Racinais S, Buchheit M, Bilsborough J, Bourdon P.C, Cordy J, Coutts AJ. Physiological and performance responses to a training camp in the heat in professional Australian football players. *International Journal of Sports Physiology and Performance* 2014; 9 (4): 598-603.

Rae CD. The energetic cost of a night on the town. *Sleep* 2014; 37 (12): 1881-1882.

Raffel M, Merz CB, Schwermer T, Richter K. Differential Infrared thermography for boundary layer transition detection on pitching rotor blade models. *Experiments In Fluids* 2015; 56(2) 30

Rafigh SM, Yazdi AV, Vossoughi M, Safekordi AA, Ardjmand M. Optimization of culture medium and modeling of curdlan production from Paenibacillus polymyxa by RSM and ANN. *International Journal of Biological Macromolecules* 2014; 70, 463-473.

Raghavan RK, Neises D, Goodin DG, Andresen DA, Ganta RR. Bayesian spatio-temporal analysis and geospatial risk factors of human monocytic ehrlichiosis. *PLoS ONE* 2014; 9 (7), art. no. e100850.

Raghavan V, O'Flatharta C, Dwyer R, Breathnach A, Zafar H, Dockery P, Wheatley A, Keogh I, Leahy M, Olivo M. Dual plasmonic gold nanostars for photoacoustic imaging and photothermal therapy. *Nanomedicine* 2017, 12 (5): 457-471.

Rahimi H, Bell R, Bouta EM, Wood RW, Xing L, Ritchlin CT, Schwarz EM. Lymphatic imaging to assess rheumatoid flare: Mechanistic insights and biomarker potential. *Arthritis Research and Therapy* 2016; 18 (1), art no 194

Raimondi V, Palombi L, Morelli A, Chimenti M, Penoni S, Dercks U, Andreotti A, Bartolozzi G, Bini M, Bonaduce I, Bracci S, Cantisani E, Colombini MP, Cucci C, Fenelli L, Galeotti M, Malesci I, Malquori A, Massa E, Montanelli M, Olmi R, Piccolo M, Pierelli LD, Pinna D, Riminesi C, Rutigliano S, Sacchi B, Stella S, Tonini G. An integrated multi-medial approach to cultural heritage conservation and documentation: from remotely-sensed LIDAR imaging to historical archive data. In: Michel U, Schulz K, Ehlers M, Nikolakopoulos KG, Civco D, eds, *Proceedings of 15th SPIE Conference on Earth Resources and Environmental Remote Sensing/GIS Applications VI*, SEP 22-24. 2015, Toulouse France, 2015; pp, 96440C-96440C-9.

Rainieri C, Marra A, Rainieri GM, Gargaro D, Pepe M, Fabbrocino G. Integrated non-destructive assessment of relevant structural elements of an Italian heritage site: The Carthusian monastery of Trisulti. *I Journal of Physics: Conference Series* 2015, 628(1) 012018.

Raja NSM, Rajinikanth V, Fernandes SL, Satapathy SC. Segmentation of breast thermal images using kapur's entropy and hidden markov random field. *Journal of Medical Imaging and Health Informatics* 2017, 7 (8): 1825-1829.

Raja NSM, Sukanya SA, Nikita Y. Improved PSO based Multi-Level Thresholding for Cancer infected Breast Thermal Images using Otsu. *Procedia Computer Science*, 48, 524-529. Sales RBC, Sales FA, Alvarenga CBCS, Aguilar MTP. Analysis of thermal performance of cementitious compounds using soda- lime glass and Infrared thermography. *ACSR-Advances in Comptuer Science Research 3rd International Conference on Mechatronics Robotics and Automation (ICMRA)*, APR 20-21 2015, Shenzhen, China, 2015; 15: 24-28

Rajagopal V, Marler JP, Kokish MG, Odom BC. Trapped ion chain thermometry and mass spectrometry through imaging. *European Journal of Mass Spectrometry* 2016; 22 (1) 1-7

Rajasekaran S, Kovar S, Qu P, Inwald D, Williams E, Qu H, Zakalik K. Mechanism for measurement of flow rate of cerebrospinal fluid in hydrocephalus shunts. *36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBC 2014*, art. no. 6944043: 2153-2156.

Rajkumar S, Prabakaran M. Theranostics based on iron oxide and gold nanoparticles for imaging-guided photothermal and photodynamic therapy of cancer. *Current Topics in Medicinal Chemistry* 2017, 17 (16): 1858-1871.

Rakesh V, Stallings JD, Reifman J. A virtual rat for simulating environmental and exertional heat stress. *Journal of Applied Physiology* 2014; 117 (11): 1278-1286.

Ramadhani N, Shabir M, McConville C. Preparation and characterisation of Kolliphor®P 188 and P 237 solid dispersion oral tablets containing the poorly water soluble drug disulfiram. *International Journal of Pharmaceutics* 2014; 475 (1) 514-522.

Ramaekers P, De Greef M, Van Breugel JMM, Moonen CTW, Ries M. Increasing the HIFU ablation rate through an MRI-guided sonication strategy using shock waves: Feasibility in the in vivo porcine liver.

Ramer LM, Ramer MS, Bradbury EJ. Restoring function after spinal cord injury: Towards clinical translation of

- experimental strategies. *The Lancet Neurology* 2014; 13 (12): 1241-1256.
- Ramírez JA, Paramo Arroyave HD, Casas Arroyave FD. Therapeutic hypothermia after prolonged cardiopulmonary resuscitation due to pulmonary thromboembolism. Case report. *Revista Colombiana de Anestesiología* 2014; 42 (4): 317-320.
- Ramírez-Elías MG, Kolosovas-Machuca ES, Kershenobich D, Guzmán C, Escobedo G, González FJ. Evaluation of liver fibrosis using Raman spectroscopy and infrared thermography: A pilot study. *Photodiagnosis and Photodynamic Therapy* 2017, 19: 278-283.
- Ramírez-Torres A, Rodríguez-Ramos R, Sabina FJ, García-Reimbert C, Penta R, Merodio J, Guinovart-Díaz R, Bravo-Castillero J, Conci A, Preziosi L. The role of malignant tissue on the thermal distribution of cancerous breast. *Journal of Theoretical Biology* 2017, 426: 1339-1351.
- Ramnarine KV, Garrard JW, Dexter K, Nduwayo S, Panerai RB, Robinson TG. Shear wave elastography assessment of carotid plaque stiffness: Invitro reproducibility study. *Ultrasound in Medicine and Biology* 2014;40 (1) 200-209.
- Ramsay E, Mougnot C, Kazem M, Laetsch TW, Chopra R. Temperature-dependent MR signals in cortical bone: Potential for monitoring temperature changes during high-intensity focused ultrasound treatment in bone. *Magnetic Resonance in Medicine* . Article in Press.
- Ran X, Mu L, Liu R.-X, Cong H, Zhang Q.-M, Wang F. Study on two different aromas styles of tobacco from Guizhou by characteristics spectroscopic methods *Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis* 2014; 34 (3): 777-781.
- Ranc N, Blanche A, Ryckelynck D, P Chrysochoos A. POD Preprocessing of IR Thermal Data to Assess Heat Source Distributions. *Experimental Mechanics* 2015; 55(4): 725-739
- Randoll R, Asef M, Wondrak W, Bottcher L, Schletz A. Characteristics and aging of PCB embedded power electronics. *Microelectronics Reliability* 2015; 55(9)-10: 1634-1639
- Rango M, Arighi A, Bonifati C, Del Bo R, Comi G, Bresolin N. The brain is hypothermic in patients with
- Rani SU, Ignatious A, Hari B.V, Balavishnu VJ. IoT patient health monitoring system. *Indian Journal of Public Health Research and Development* 2017, 8(4) 1329-1334.
- Ranjan RV, Sivasubramanian M, Ramachandran TR, Selvamani B. Perioperative management of polytrauma in a post MVR patient with severe left ventricular systolic dysfunction. *Anaesthesia Pain and Intensive Care* 2014; 18 (4): 455-457.
- Ranjit S, Kang K, Kim W. Investigation of lock-in Infrared thermography for evaluation of subsurface defects size and depth. *International Journal of Precision Engineering and Manufacturing* 2015; 16(1)1: 2255-2264
- Rao P, Keenan JB, Rajab TK, Ferng A, Kim S, Khalpey Z. Intraoperative thermographic imaging to assess myocardial distribution of Del Nido cardioplegia. *Journal of Cardiac Surgery* 2017, 32 (12): 812-815.
- Rassiwala M, Mathur P, Mathur R, Farid K, Shukla S, Gupta PK, Jain B. Evaluation of digital infra- red thermal imaging as an adjunctive screening method for breast carcinoma: A pilot study. *International Journal of Surgery* 2014; 12 (12) 1439-1443.
- Rastgar-Jazi M, Mohammadi F. Parameters sensitivity assessment and heat source localization using infrared imaging techniques. *BioMedical Engineering Online* 2017, 16 (1), art. no. 113.
- Rathke H, Hamm B, Güttler F, Rathke J, Rump J, Teichgräber U, de Bucourt M. Comparison of four radiofrequency ablation systems at two target volumes in an ex vivo bovine liver model. *Diagnostic and Interventional Radiology* 2014; 20 (3) 251-258.
- Rau G, Stoian AM, Mogosanu GD, Chirigiu L, Amzoiu DC. 4-(-ethyl-N-phenylacetamidoxy)-4 '-[P- phenylazo] biphenyls with liquid, crystals properties. *Revue Roumaine De Chimie* 2015; 60(9): 907-914
- Ravanelli N, Jay O, Gagnon D. Sustained increases in skin blood flow are not a prerequisite to initiate sweating during passive heat exposure. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2017, 313(2) R140-R148.
- Ravanelli NM, Cramer MN, Molgat-Seon Y, Carlsen AN, Jay O. Do greater rates of body heat storage precede the accelerated reduction of self-paced exercise intensity in the heat? *European Journal of Applied Physiology* 2014; 114 (11): 2399-2410.
- Ravenelle R, Santolucito HB, Byrnes EM, Byrnes JJ, Donaldson ST. Housing environment modulates physiological and behavioral responses to anxiogenic stimuli in trait anxiety male rats. *Neuroscience* 2014; 270, 76-87.
- Rawlins M. Infectious diseases. *Journal of Pharmacy Practice and Research* 2014; 44 (4): 277- 279.
- Ray PP. An IR Sensor Based Smart System to Approximate Core Body Temperature. *Journal of Medical Systems* 2017, 41 (8), art. no. 123.
- Ray S, Ghosh (Ray), S, Mandal S. Development of bicalutamide-loaded PLGA nanoparticles: preparation characterization and in-vitro evaluation for the treatment of prostate cancer. *Artificial Cells Nanomedicine and Biotechnology* 2017, 45 (5): 944-954.
- Raza SEA, Prince G, Clarkson JP, Rajpoot NM. Automatic Detection of Diseased Tomato Plants Using Thermal

and Stereo Visible Light Images. *PLOS One*, 0 2015; 10(4) e0123262

Réalis-Doyelle E, Pasquet A, De Charleroy D, Fontaine P, Teletchea F. Strong effects of temperature on the early life stages of a cold stenothermal fish species brown trout (*Salmo trutta* L). *PLoS ONE* 2016; 11 (5), art no e0155487

Reaney L, Livingstone V, Bogue C, Dempsey EM, Filan PM. Timing of therapeutic hypothermia for inborn and outborn infants with neonatal encephalopathy. *Irish Medical Journal* 2016; 109 (3), p 369

Redaelli V, Ludwig N, Nanni Costa L, Crosta L, Riva J, Luzi F. Potential application of thermography (IRT) in animal production and for animal welfare. A case report of working dogs. *Annali dell'Istituto superiore di sanità* 2014; 50 (2): 147-152.

Redaelli V, Tanzi B, Luzi F, Stefanello D, Proverbio D, Crosta L, Di Giancamillo M. Use of thermographic imaging in clinical diagnosis of small animal: preliminary notes. *Annali dell'Istituto superiore di sanità* 2014; 50 (2): 140-146.

Reddy BK, Balaji C. Bayesian estimation of heat flux and thermal diffusivity using liquid crystal thermography. *International Journal of Thermal Sciences* 2015; 87: 31-48

Reddy PN, Cooper G, Weightman A, Hodson-Tole E, Reeves ND. Walking cadence affects rate of plantar foot temperature change but not final temperature in younger and older adults. *Gait and Posture* 2017, 52: 272-279.

Reger SI, Ranganathan VK, McNulty AK. Use of a powered coverlet for moisture removal skin temperature reduction odor and bacteria control. *Journal of Wound Ostomy and Continence Nursing* 2014; 41 (1): 35- 39.

Regis LN, Acioli RV, Silveira J.C, de Melo-Santos MAV, da Cunha M.CS, Souza F, Batista CAV, Barbosa RMR, de Oliveira CMF, Ayres CFJ, Monteiro AMV, Souza WV. Characterization of the spatial and temporal dynamics of the dengue vector population established in urban areas of Fernando de Noronha, a Brazilian oceanic island. *Acta Tropica* 2014; 137: 80-87.

Rehman T, DeBoisblanc BP. Persistent fever in the ICU. *Chest* 2014; 145 (1): 158-165.

Reich PB, Sendall KM, Stefanski A, Wei X, Rich RL, Montgomery RA. Boreal and temperate trees show strong acclimation of respiration to warming. *Nature* 2016; 531 (7596) 633-636

Reifenberg J.-M, Riout E, Leroy A, Begue S. The EFS metrology: From the production to the reason [Métrologie à l'EFS: de la production à la raison]. *Transfusion Clinique et Biologique* 2014; 21 (3): 132-138.

Reinhardt J, Apilo P, Zimmermann B, Rousu S, Wuerfel U. Determining the photocurrent of individual cells within an organic solar module by LBIC and the filtering approach: Experiments and simulations. *Solar Energy Materials and Solar Cells* 2015; 134: 157-164

Reiniers MJ, Van Golen RF, Heger M, Mearadji B, Bennink RJ, Verheij J, Van Gulik TM. In situ hypothermic perfusion with retrograde outflow during right hemihepatectomy: First experiences with a new technique. *Journal of the American College of Surgeons* 2014; 218 (1) e7-e16.

Rej S, Alaqael B, Segal M, Low NCP, Mucsi I, Holcroft C, Looper K. Is environmental temperature related to renal symptoms serum lithium levels and other laboratory test results in current lithium users? *Human Psychopharmacology* 2014; 29 (4): 392-396.

Remy L, Cheymol G, Gusarov A, Morana A, Marin E, Girard S. Compaction in optical fibres and fibre Bragg gratings under nuclear reactor high neutron and gamma fluence. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465627

Renberg J, Sandsund M, Wiggen TN, Reinertsen RE. Effect of ambient temperature on female endurance performance. *Journal of Thermal Biology* 2014; 45: 9-14.

Renner-C, F.-J. The thermoregulation of healthy individuals overweight–obese and diabetic from the plantar skin thermogram: a clue to predict the diabetic foot. *Diabetic Foot and Ankle* 2017, 8 (1), art. no. 1361298.

Renkielska A, Kaczmarek M, Nowakowski A, Grudzinski J, Czapiewski P, Krajewski A, Grobelny I. Active dynamic infrared thermal imaging in burn depth evaluation. *Journal of Burn Care and Research* 2014; 35 (5): e294-e303.

Rennert RC, Carroll KT, Ali MA, Hamelin T, Chang L, Lemkuil BP, Chen CC. Safety of stereotactic laser ablations performed as treatment for glioblastomas in a conventional magnetic resonance imaging suite. *Neurosurgical Focus* 2016; 41 (4), art no E7

research [Niefarmakologiczne metody obniżania ciepłoty ciała u dzieci gorączkujących - analiza postępowania rodziców na podstawie badania ankietowego]. *Pediatrics Polska* 2016; 91 (2) 122-127

Research 2014; 38 (3) 879-888.

Reshetnikov AP, Kopylov MV, Nasyrov MR, Soicher EM, Fisher EL, Chernova LV., TI New Maxillofacial Infrared Detection Technologies. In: Sadovoy MA, Orlov SN, Kistenev YV, Sharkeev YP, eds. AIP Conference Proceedings 5th International Scientific Conference on New Operational Technologies (NEWOT) SEP 29-30 2015, Tomsk Russia, 2015; 1688: AR 030014

response to freezing stress. *PLoS ONE* 2016; 11 (3), art no e0152294

Restrepo-Giron AD. Enhanced method for flaws depth estimation in CFRP slabs from FDTC, thermal contrast sequences. *Ingenieria E Investigacion* 2015; 35(3): 61-68

Resuscitation 2014; 85 (6): 749-756.

Resuscitation 2014; 85 (9): 1257-1262.

Review of Scientific instruments 2015; 86(6) 065101.

Reyes JD, Jalikis FG, Olson LC, Yeh M, Monteno MI. Use of NanoICE for Procurement Achieves Better Cooling of Liver Grafts. *Transplantation Proceedings* 2017, 49 (6): 1449-1454.

Reynolds M, Bonham L, Gueck M, Hammond K, Lowery J, Redel C, Rodriguez C, Smith S, Stanton A, Sukosd S, Craft M. Are temporal artery temperatures accurate enough to replace rectal temperature measurement in pediatric ED patients? *Journal of Emergency Nursing* 2014; 40 (1): 46-50.

Rezaei M, Khoshgard K, Mousavi M. The Correction of Focal Point Displacement Caused by the Refraction of the Beams in High-Intensity Focused Ultrasound. *Journal of Medical Signals and Sensors* 2017, 7 (3): 178-184.

Riabyi VA, Savinov VP, Yakunin VG, Pirogov YA, Rodin IA. A Long-Lifetime Plasmatron for Use in Medicine. *Biomedical Engineering* 2017, 51 (3): 195-199.

Riaz M, Ragsdale BD, Rahman ZU, Nigam G. Drug rash with eosinophilia and systemic symptoms (DRESS) caused by phenytoin. *BMJ Case Reports* 2017, art. no. 220835.

Ribeiro AL, Pasadas D, Ramos HG, Rocha T. Determination of Crack Depth in Aluminum Using Eddy Currents and GMR, Sensors. In: Chimenti DE, Bond LI, eds, 41st Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE) JUL 20-25, 2014, Boise ID, 2015; 1650: 361-367

Ribeiro AR, Maia AS, Moreira IS, Afonso CM, Castro PML, Tiritan ME. Enantioselective quantification of fluoxetine and norfluoxetine by HPLC in wastewater effluents. *Chemosphere* 2014; 95: 589-596.

Rickards CA, Vyas N, Ryan KL, Ward KR, Andre D, Hurst GM, Barrera CR, Convertino VA. Are you bleeding? Validation of a machine-learning algorithm for determination of blood volume status: Application to remote triage. *Journal of Applied Physiology* 2014; 116 (5): 486-494.

Rida M, Ghaddar N, Ghali K, Hoballah J. Elderly bioheat modeling: changes in physiology thermoregulation and blood flow circulation. *International Journal of Biometeorology* 2014; 58 (9): 1825-1843.

Rida M, Karaki W, Ghaddar N, Ghali K, Hoballah J. A new mathematical model to simulate AVA cold- induced vasodilation reaction to local cooling. *International journal of biometeorology* 2014; 58 (9): 1905- 1918.

Ridgeway JA, Midgley JM, Collett IJ, Villet MH. Advantages of using development models of the carrion beetles *Thanatophilus micans* (Fabricius) and *T. mutilatus* (Castelneau) (Coleoptera: Silphidae) for estimating minimum post mortem intervals verified with case data. *International Journal of Legal Medicine* 2014; 128 (1): 207-220.

Riera F, Hoyt R, Xu X, Melin B, Regnard J, Bourdon L. Thermal and metabolic responses of military divers during a 6-hour static dive in cold water. *Aviation Space and Environmental Medicine* 2014; 85 (5): 509- 517.

Riera F, Trong TT, Sinnapah S, Hue O. Physical and perceptual cooling with beverages to increase cycle performance in a tropical climate. *PLoS ONE* 2014; 9 (8) Art. No. e103718.

Rietz M, Rohlf W, Kneer R, Scheid B. Experimental investigation of thermal structures in regular three-dimensional falling films. *European Physical Journal-Special Topics* 2015; 224(2): 355-368

Riggio M, Sandak J, Franke S. Application of imaging techniques for detection of defects damage and decay in timber structures on-site. *Construction and Building Materials* 2015; 101: 1241-1252

Rincon F. Targeted Temperature Management in Brain Injured Patients. *Neurologic Clinics* 2017, 35 (4): 665-694.

Ring EFJ, Jung A, Kalicki B, Zuber J, Rustecka A, Vardasca R. New Standards for Fever Screening with Thermal Imaging (extended abstract). *Thermology international* 2015, 25(1) 19-20

Ring F, Pascoe D, Vardasca R. Lack of compliance to International Standards Organisation recommendations for Fever Screening with Thermography (extended abstract). *Thermology international* 2015, 25(3) 113.

Ring F, Pascoe D, Vardasca R. Screening for EBOLA, and the ISO Standard (abstract). *Thermology international* 2015, 25(2) 67-68

Ring F. Baron Professor Leopold de Thibault de Boesinghe MD (obituary). *Thermology international* 2015, 25(3) 147

Ring F. Infrared Imaging in Diabetes: an overview (extended abstract). *Thermology international* 2014; 24(2) 55

Ring F. The Infrared Controversy 1800 -1840 (extended abstract). *Thermology international* 2016, 26 (Supplement) S7

Ring FJ. The evolution of infrared technology in human body temperature (extended abstract). *Thermology international* 2015, 25(1) 14

Ringuette D, Jeffrey MA, Carlen PL, Levi O. Multi-modal in vivo imaging of brain blood oxygenation blood flow and neural calcium dynamics during acute seizures. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9690, art no 969011

Rintoul JLP, Brigham RM. The influence of reproductive condition and concurrent environmental factors on torpor and foraging patterns in female big brown bats (*Eptesicus fuscus*). *Journal of Comparative Physiology B: Biochemical Systemic and Environmental Physiology* 2014; 184 (6) 777-787.

- Rippe CM, Lattimer BY. Full-field surface heat flux measurement using non-intrusive Infrared thermography. *Fire Safety Journal* 2015; 78: 238-250
- Risitano A, La Rosa G, Geraci A, Guglielmino E. The choice of thermal analysis to evaluate the monoaxial fatigue strength on materials and mechanical components. *Proceedings of The Institution of Mechanical Engineers Part C- Journal of, Mechanical Engineering Science* 2015; 229(7): 1315-1326
- Riveros ME, Perdomo G, Torrealba F. Infralimbic cortex controls core body temperature in a histamine dependent manner. *Physiology and Behavior* 2014; 128, 1-8.
- Rivest EB, Hofmann GE. Responses of the metabolism of the larvae of *Pocillopora damicornis* to ocean acidification and warming. *PLoS ONE* 2014; 9 (4) Art. No. e96172.
- Rizvi SA, Sohail MR. Neutropenic Fever. *Hospital Medicine Clinics* 2014; 3 (2) e218-e234.
- Robbins D, Yoganathan P, Goss-Sampson M. The influence of whole body vibration on the central and peripheral cardiovascular system. *Clinical Physiology and Functional Imaging*, 34 (5): 364- 369.
- Robbins L, Lehmann J. Infrared Thermography as a Non-invasive Method for Measuring Emotional States in Barbary Macaques (*Macaca sylvanus*). *Folia Primatologica* 2015; 86(4): 348-348
- Roberts CT, Kortekaas R, Dawson JA, Manley BJ, Owen LS, Davis PG. The effects of non-invasive respiratory support on oropharyngeal temperature and humidity: A neonatal manikin study. *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2016; 101 (3) F248-F252
- Robinson BG, Franke A, Derocher AE. The influence of weather and lemmings on spatiotemporal variation in the abundance of multiple avian guilds in the arctic. *PLoS ONE* 2014; 9 (7), art. no. e101495.
- Robinson JB, Engebretsen E, Finegan DP, Darr J, Hinds G, Shearing PR, Brett DJL. Detection of Internal Defects in Lithium-Ion Batteries Using Lock-in Thermography. *ECS Electrochemistry Letters* 2015; 4(9): A106-A109
- Robinson L, Ojha S, Symonds ME, Budge H. Body mass index as a determinant of brown adipose tissue function in healthy children. *Journal of Pediatrics* 2014; 164 (2): 318-322E1.
- Rocha G, Soares P, Pissarra S, Soares H, Costa S, Henriques-Coelho T, Guimarães H. Vascular access in neonates. *Minerva Pediatrica* 2017, 69 (1): 72-82.
- Roche JM, Balageas DL. Common tools for quantitative pulse and step-heating thermography -part II: experimental investigation. *Quantitative Infrared Thermography Journal* 2015; 12(1): 1-23
- Roche JM, Passilly F, Balageas D. A TSR-Based Quantitative Processing Procedure to Synthesize Thermal, D-Scans of Real-Life Damage in Composite Structures. *Journal of Nondestructive Evaluation*. 2015; 34(4) 41
- Roche VP, Mohamad-Djafari A, Innominato PF, Karaboué, A, Gorbach A, Lévi FA. Thoracic surface temperature rhythms as circadian biomarkers for cancer chronotherapy. *Chronobiology International* 2014; 31 (3) 409-420.
- Rodionova LV, Shurygina IA, Sukhov BG, Popova LG, Shurygin MG, Artem'ev AV, Pogodaeva NN, Kuznetsov SV, Gusarova NK, Trofimov BA. Nanobiocomposite based on selenium and arabinogalactan: Synthesis structure and application. *Russian Journal of General Chemistry* 2015; 85(2): 485-487
- Rodler A; Virgone J; Roux JJ; Hubert JL. Development and validation of a three dimensional thermal transient numerical model with sun patch: Application to a low energy cell. *Energy and Buildings* 2015, 87, 425-435
- Rodrigues Barrera WC, Brioschi ML, Teixeira M. Applicability of infrared thermography in medical expertise (extended abstract). *Thermology international* 2014; 24(1) 22
- Rodrigues DB, Maccarini PF, Salahi S, Oliveira TR, Pereira PJS, Limao-Vieira P, Snow BW, Reudink D, Stauffer PR. Design and optimization of an ultra wideband and compact microwave antenna for radiometric monitoring of brain temperature. *IEEE Transactions on Biomedical Engineering* 2014; 61 (7) Art. No. 6798662, 2154-2160.
- Rodrigues de Andrade P, VVanessa Evangelista Maia I, Almeida Ferreira J, Franco de Medeiros Neto C. Absence of alterations in cutaneous temperature during the phases of menstrual cycle (extended abstract). *Thermology international* 2015, 25(3) 134-135
- Rodrigues HF, Capistrano G, Mello FM, Zufelato N, Silveira-Lacerda E, Bakuzis AF. Precise determination of the heat delivery during in vivo magnetic nanoparticle hyperthermia with infrared thermography. *Physics in Medicine and Biology* 2017, 62 (10): 4062-4082.
- Rodriguez-Martin M, Laguela S, Gonzalez-Aguilera D, Martinez J. Prediction of depth model for cracks in steel using Infrared thermography. *Infrared Physics & Technology*, 2015; 71: 492-500
- Rodriguez-Martin M, Laguela-Lopez S, Gonzalez-Aguilera D, Diaz-Vilarino L. Active Thermography. Part 2 Development and applications in engineering and industry. *DYNA* 2015; 90(6): 568-572
- Rodriguez-Martin M, Laguela-Lopez S, Gonzalez-Aguilera D, Diaz-Vilarino L. Theoretical approach of Infrared capture data processing and classification. *DYNA* 2015; 90(5): 456-460
- Rodriguez-Martin M, Laguela-Lopez S, Gonzalez-Aguilera D, Diaz-Vilarino L. Theoretical approach of Infrared capture data processing and classification. *DYNA* 2015; 90(5): 456-460

- Rodríguez-Sanz D, Losa-Iglesias ME, López-López D, Calvo-Lobo C, Palomo-López P, Becerro-de-Bengoa-Vallejo R. Infrared thermography applied to lower limb muscles in elite soccer players with functional ankle equinus and non-equinus condition. *PeerJ* 2017, 2017(5) Article Number: 3388.
- Rohrig S, Petschenig I, Bermejo R, Hofstatter M, Aldrian F, Danzer R, Supancic P. Thermography and Complementary Measurements as Tools to Detect Micro-Irregularities in Electronic Components. *Journal of Ceramic Science and Technology* 2015; 6(4): 255-260
- Rojo-Marcos G, Rubio-Muñoz JM, Ramírez-Olivencia G, García-Bujalance S, Elcuaz-Romano R, Díaz- Menéndez M, Calderón M, García-Bermejo I, Ruiz-Giardín JM, Merino-Fernández FJ, Torrús-Tendero D, Delgado-Iribarren A, Ribell-Bachs M, Arévalo-Serrano J, Cuadros-González J. Comparison of imported *Plasmodium ovale curtisi* and *P. ovale wallikeri* infections among patients in Spain, 2005-2011. *Emerging Infectious Diseases* 2014; 20 (3): 409-416.
- Rok T, Rokita E, Tatorí, G, Guzik T, Śliwa T. Thermographic assessment of skin prick tests in comparison with the routine evaluation methods. *Postepy Dermatologii i Alergologii* 2016; 33 (3) 193-198
- Rokita E, Rok T, Taton G. Evaluation of allergic response using dynamic thermography. *Opto-Electronics Review* 2015; 23(1): 53-59
- Rolston JD, Chang EF. Stereotactic Laser Ablation for Hypothalamic Hamartoma. *Neurosurgery Clinics of North America* 2016; 27 (1) 59-67
- Romano M, Guillaument R, Many C, Batsale JC, Pradere C. Thermal analysis of droplet flow: Numerical analytical and experimental investigations. *Applied Thermal Engineering* 2015; 90: 403-412
- Romano M, Ndiaye C, Duphil A, Sommier A, Morikawa J, Mascetti J, Batsale JC, Servant L, Pradere C. Fast Infrared imaging spectroscopy technique (FIIST). *Infrared Physics & Technology* 2015; 68: 152-158
- Romano M, Pradere C, Sarrazin F, Toutain J, Batsale JC Enthalpy kinetics and mixing characterization in droplet-flow millifluidic device by Infrared thermography. *Chemical Engineering Journal* 2015; 273: 325- 332
- Romano M, Pradere C, Toutain J, Batsale JC. Quantitative kinetics and enthalpy measurements of biphasic underflow chemical reactions using Infrared thermography. *Experimental Thermal and Fluid Science* 2015; 67: 14-17
- Rose JB, Hawkins WG. Diagnosis and management of biliary injuries. *Current Problems in Surgery* 2017, 54(8) 406-435.
- Rosen J. How an ocean climate cycle favored Harvey. *Science* 2017, 357(6354) 853-854.
- Rosenberg C, Jahn A, Pickartz T, Wahnschaffe U, Patrzyk M, Hosten N. Gd-EOB-DTPA- enhanced MR guidance in thermal ablation of liver malignancies. *PLoS ONE* 2014; 9 (12) Art. No. e109217.
- Rosenthal EL, Moore LS, Tipirneni K, De Boer E, Stevens TM, Hartman YE, Carroll WR, Zinn KR, Warram JM. Sensitivity and specificity of cetuximab-IRDye800CW to identify regional metastatic disease in head and neck cancer. *Clinical Cancer Research* 2017, 23 (16): 4744-4752.
- Rosillo SO, Lopez-De-Sa E, Iniesta AM, De Torres F, Del Prado S, Rey JR, Armada E, Moreno R, López- Sendón JL. Is therapeutic hypothermia a risk factor for stent thrombosis? *Journal of the American College of Cardiology* 2014; 63 (9): 939-940.
- Rossas H, Rodrigues S, Seixas A. Skin temperature changes over the medial gastrocnemius and total work during exercise (extended abstract). *Thermology international* 2015, 25(3) 127.
- Rossato M, Burei M, Vettor R. Neck thermography in the differentiation between diffuse toxic goiter during methimazole treatment and normal thyroid. *Endocrine* 2015; 48(3): 1016-1017
- Rossignoli I, Benito PJ, Herrero AJ. Reliability of Infrared thermography in skin temperature evaluation of wheelchair users. *Spinal Cord* 2015; 53(3): 243-248
- Rossignoli I, Sillero-Quintana M, Herrero A. Infrared thermography and shoulder pain in wheelchair users (extended abstract). *Thermology international* 2015, 25(3) 131.
- Rouizi Y, Al Hadad W, Maillet D, Jannot Y. Experimental assessment of the fluid bulk temperature profile in a mini channel through inversion of external surface temperature measurements. *International Journal of Heat and Mass Transfer* 2015; 83: 522-535
- Rout A, Kumerasan R, Venkatesan KA, Antony MP. Separation of Am(III) from nitric acid medium by phosphonium ionic liquid-hydroxyacetamide mixture. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 313 (3): 505-513.
- Roy CJ, Adams AP, Wang E, Plante K, Gorchakov R, Seymour RL, Vinet-Oliphant H, Weaver S.C. Chikungunya vaccine candidate is highly attenuated and protects nonhuman primates against telemetrically monitored disease following a single dose. *Journal of Infectious Diseases* 2014; 209 (12): 1891-1899.
- Roy D, Chatterjee K, Tuli S. Characterization and Energy Absorption Efficiency Determination of LED, as an Effective Photothermal Excitation Source in Lock-in Thermography. *IEEE Sensors Journal* 2015; 15(10): 6010-6016
- Roy RC, Cockram MS, Dohoo IR, Riley CB. Injuries in horses transported to slaughter in Canada. *Canadian Journal of Animal Science* 2015; 95(4): 523-531

- Rozanov VV, Matveychuk IV, Shuteev SA. Temperature Fields on the Surface of Native Bone Tissue after Waterjet Incision. *Biomedical Engineering* 2017, 51 (3): 175-177.
- Rozen G, Ptaszek L, Zilberman I, Cordaro K, Heist EK, Beeckler C, Altmann A, Ying Z, Liu Z, Ruskin JN, Govari A, Mansour M. Prediction of radiofrequency ablation lesion formation using a novel temperature sensing technology incorporated in a force sensing catheter. *Heart Rhythm* 2017, 14 (2): 248-254.
- Roznik EA, Alford RA. Using pairs of physiological models to estimate temporal variation in amphibian body temperature. *Journal of Thermal Biology* 2014; 45, 22-29.
- Ruaro B, Sulli A, Smith V, Pizzorni C, Paolino S, Alessandri E, Cutolo M. Microvascular damage evaluation in systemic sclerosis: The role of nailfold videocapillaroscopy and laser techniques. *Reumatismo* 2017, 69 (4): 147-155.
- Rubio-Sastre P, Gómez-Abellán P, Martínez-Nicolas A, Ordovás JM, Madrid JA, Garaulet M. Evening physical activity alters wrist temperature circadian rhythmicity. *Chronobiology International* 2014; 31 (2) 276-282.
- Rucka M, Wilde K. Ultrasound Monitoring for Evaluation of Damage In Reinforced Concrete. *Bulletin of The Polish Academy of Sciences-Technical Sciences* 2015; 63(1): 65-75
- Ruczynski I, Clarin TMA, Siemers BM. Do greater mouse-eared bats experience a trade-off between energy conservation and learning? *Journal of Experimental Biology* 2014; 217 (22) 4043-4048.
- Ruddock AD, Tew GA, Purvis AJ. Reliability of intestinal temperature using an ingestible telemetry pill system during exercise in a hot environment *Journal of Strength and Conditioning Research* 2014; 28 (3): 861-869.
- Ruiz A, Ramos A, Bazan I. Influence of the capacitive energy with distinct inductive tuning and damping on the merit figure of high-voltage driving spikes in medical applications for new ultrasound diagnoses. 2016 Global Medical Engineering Physics Exchanges/Pan American Health Care Exchanges GMEPE/PAHCE 2016, art no 7504657
- Ruiz-Duarte JL, Chernov V, Chernov G, Torres-Peralta R, Ciret-Galan F, Martín-Del-Campo-Mena E, Barboza-Flores M. A thermal asymmetry criterion for estimation of abnormality of breast infrared thermograms (extended abstract). *Thermology international* 2015, 25(3) 101
- Russell DA, D'Ippolito DA, Myra JR, Canik JM, Gray TK, Zweben SI. Modeling the effect of lithium-induced pedestal profiles on scrape-off-layer turbulence and the heat flux width. *Physics of Plasmas* 2015; 22(9) 092311
- Russo A, McCreedy M, Torres L, Theuriere C, Venturini S, Spaight M, Hemway RJ, Handrinos S, Perlmutter D, Huynh T, Grunebaum A, Perlman J. Reducing hypothermia in preterm infants following delivery. *Pediatrics* 2014; 133 (4): e1055-e1062.
- Rusteki B, Mozański M, Klimkiewicz J, Machura W, Kalicki B, Jung A. Evaluation of paravertebral block for mastectomy by infrared imaging. (extended abstract). *Thermology international* 2015, 25(3) 103
- Rusteki B, Rustecka A, Kalicki B, Kwasiński P, Ring F, Truszczynski A, Jung A. Comparison of core temperature measured at the esophagus with infrared thermographic temperature monitoring in patients undergoing general anesthesia (extended abstract). *Thermology international* 2014; 24(2) 58-59.
- Ružić-Sabljić, E, Maraspin V, Cimperman J, Strle F, Lotrič-Furlan S, Stupica D, Cerar T. Comparison of isolation rate of *Borrelia burgdorferi* sensu lato in two different culture media MKP and BSK-H. *Clinical Microbiology and Infection* 2014; 20 (7): 636-641.
- Rynkiewicz M, Korman P, Zurek P, Rynkiewicz T. Application of thermovisual body image analysis in the evaluation of paddling effects on a kayak ergometer. *Medicina Dello Sport* 2015; 68(1): 31-42
- Ryu SI, Zhang HY. Neurilemmoma of Deep Peroneal Nerve Sensory Branch: Thermographic Findings with Compression Test. *Journal of Korean Neurosurgical Society* 2015; 58(3): 286-290
- Ryu SY, Kim DU, Kim JK, Choj HY, Kim GH, Chang KS Surface-Temperature Measurement and Submicron Defect Isolation for Microelectronic Devices Using Thermoreflectance Microscopy. *International Journal of Thermophysics* 2015; 36(5-6): 1217-1225
- Sá, JP, Branco PTBS, Alvim-Ferraz MCM, Martins FG, Sousa SIV. Evaluation of low-cost mitigation measures implemented to improve air quality in nursery and primary schools. *International Journal of Environmental Research and Public Health* 2017, 14 (6), art. no. 585.
- Saarenheimo J, Aalto SL, Rissanen AJ, Tirola M. Microbial community response on wastewater discharge in boreal lake sediments. *Frontiers in Microbiology* 2017, 8 (APR), art. no. 750.
- Sabashnikov A, Mohite PN, Zych B, Popov A.-F, Fatullayev J, Zerouh M, Hards R, Sáez DG, Capoccia M, Choi Y.-H, Wahlers T, De Robertis F, Bahrami T, Amrani M, Simon AR. Outcomes in patients receiving HeartMate II versus HVAD left ventricular assist device as a bridge to transplantation. *Transplantation Proceedings* 2014; 46 (5): 1469-1475.
- Saccomandi P, Frauenfelder G, Massaroni C, Caponera MA, Polimadei A, Taffoni F, Di Matteo FM, Costamagna G, Giurazza F, Schena E. Temperature monitoring during radiofrequency ablation of liver: In vivo trials. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS* 2016; 2016-October art no 7590710 344-347

Saccomandi P, Schena E, Giurazza F, Del Vescovo R, Caponero MA, Mortato L, Panzera F, Cazzato RL, Grasso FR, Di Matteo FM, Silvestri S, Zobel BB. Temperature monitoring and lesion volume estimation during double-aliqator laser-induced thermotherapy in ex vivo swine pancreas: A preliminary study. *Lasers in Medical Science* 2014; 29 (2) 607-614.

Sadeghi HR, Toosi MHB, Soudmand S, Sadoughi HR, Sazgarnia A. Gold-gold sulfide nanoparticles intensify thermal effects of radio frequency electromagnetic field. *Journal of Experimental Therapeutics and Oncology* 2014; 10 (4) 285-291.

Sadeghi-Goughari M, Mojra A. Finite element modeling of haptic thermography: A novel approach for brain tumor detection during minimally invasive neurosurgery. *Journal of Thermal Biology* 2015; 53: 53-65

Sadeghi-Goughari M, Mojra A. Intraoperative thermal imaging of brain tumors using a haptic-thermal robot with application in minimally invasive neurosurgery. *Applied Thermal Engineering* 2015; 91: 600-610

Sadibolova R, Longo MR. Seeing the body produces limb-specific modulation of skin temperature *Biology Letters* 2014; 10 (4), art. no. 20140157.

Saeki K, Obayashi K, Nishi T, Miyata K, Maruoka S, Ueda T, Okamoto M, Hasegawa T, Matsuura T, Tone N, Ogata N, Kurumatani N. Short-term influence of cataract surgery on circadian biological rhythm and related health outcomes (CLOCK-IOL trial): Study protocol for a randomized controlled trial. *Trials* 2014; 15 (1) Art. No. 514.

Saerens L, Ghanam D, Raemdonck C, Francois K, Manz J, Krüger R, Krüger S, Vervaeke C, Remon JP, De Beer T. In-line solid state prediction during pharmaceutical hot-melt extrusion in a 12 mm twin screw extruder using Raman spectroscopy. *European Journal of Pharmaceutics and Biopharmaceutics* 2014; 87 (3): 606-615.

Sagaidachnyi AA, Fomin AV, Usanov DA, Skripal AV. Thermography-based blood flow imaging in human skin of the hands and feet: A spectral filtering approach. *Physiological Measurement* 2017, 38 (2): 272-288.

Sagaidachnyi AA, Skripal AV, Fomin AV, Usanov DA. Determination of the amplitude and phase relationships between oscillations in skin temperature and photoplethysmography-measured blood flow in fingertips. *Physiological Measurement* 2014; 35 (2): 153-166.

Sagaidachnyi AA, Usanov DA, Skripal AV, Fomin AV. Skin blood flow as the first time derivative of the temperature: Spectral approach to the blood flow estimation in hands. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 9031, art. no. 903108.

Sagaidachnyi AA, Volkov IU, Fomin AV. Influence of temporal noise on the skin blood flow measurements performed by cooled thermal imaging camera: Limit possibilities within each physiological frequency range. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9917, art no 99170N

Saha M, Rempt M, Stratil SB, Wahl M, Pohnert G, Weinberger F. Defence chemistry modulation by light and temperature shifts and the resulting effects on associated epibacteria of *Fucus vesiculosus*. *PLoS ONE* 2014; 9 (10), art. no. e105333.

Sahinbas H, Rosch M, Demiray M. Temperature measurements in a capacitive system of deep loco-regional hyperthermia. *Electromagnetic Biology and Medicine* 2017, 36 (3): 248-258.

Saidi M, Bahmani Z, Kohan MD. Stress detection through thermal facial images inspired by characteristics of psychophysiological signals. *Journal of Military Medicine* 2017, 19 (1): 3-12.

Saini M, Masirkar Y, Varshney R, Roy P, Sadhu KK. Fluorogen-free aggregation induced NIR emission from gold nanoparticles. *Chemical Communications* 2017, 53(46) 6199-6202.

Saita K, Ogata T, Watanabe J, Tsuboi Y, Takahara M, Inoue T, Morishita T. Contralateral Cerebral Hypometabolism After Cerebellar Stroke: A Functional Near-Infrared Spectroscopy Study. *Journal of Stroke and Cerebrovascular Diseases* 2017, 26 (4): e69-e71.

Saito J, Noguchi S, Hashiba E, Kimura F, Kushikata T, Fukuda I, Hirota K. Usefulness of Temperature Gradient During Cardiopulmonary Bypass for Diagnosis of Misplacement of a Frozen Elephant Trunk. *Journal of Cardiothoracic and Vascular Anesthesia* 2017, 31 (1): 266-269.

Saiyed R, Rand CM, Carroll MS, Koliboski CM, Stewart TM, Brogadir CD, Kenny AS, Petersen EKE, Carley DW, Weese-Mayer DE. Congenital central hypoventilation syndrome (CCHS): Circadian temperature variation. *Pediatric Pulmonology* 2016; 51 (3) 300-307

Sajjadi A, Manstein D, Carp S. Measuring Cooling in Soft Tissues Using Magnetic Resonance Thermography. *Lasers in Surgery and Medicine* 2015; 47: 11-12

Sakagami T., Remote nondestructive evaluation technique using Infrared thermography for fatigue cracks in steel bridges. *Fatigue & Fracture of Engineering Materials & Structures* 2015; 38(7): 755-779

Sakamoto K, Kanzaki M, Mitsuboshi S, Maeda H, Kikkawa T, Isaka T, Murasugi M, Onuki T. A novel and simple method for identifying the lung intersegmental plane using thermography. *Interactive Cardiovascular and Thoracic Surgery* 2016; 23 (1) 171-173

Sakamoto Y, Yokouchi M, Nagano S, Shimada H, Nakamura S, Setoguchi T, Kawamura I, Ishidou Y, Tanimoto A, Komiya S. Metastasis of osteosarcoma to the trapezius muscle: A case report. *World Journal of Surgical Oncology* 2014; 12 (1), art. no. 176.

Sakiewicz P, Nowosielski R, Babilas R. Production aspects of inhomogeneous hot deformation in as-cast CuNi25 alloy. *Indian Journal of Engineering and Materials Sciences* 2015; 22(4): 389-398

Salasca S, Aumeunier MH, Benoit F, Cantone B, Corre Y, Delchambre E, Ferlet M, Gauthier E, Guillon C, van Houtte D, Keller D, Labasse F, Larroque S, Loarer T, Micolon F, Peluso B, Proust M, Blanchet D, Penelieu Y, Alonso J, de la Cal E, Hidalgo C, Martin P, Medrano M, Mota F, de Pablos JL, Rios L, Rincon E, Vila R, Manzanares A, Martin V, Reichle R, Le Guern F. The ITER Equatorial Visible/Infra-Red Wide Angle Viewing System: Status of design and R&D. *Fusion Engineering and Design* 2015; 96-97: 932-937

Salazar-Lopez E, Dominguez E, Ramos VJ, de la Fuente J, Meins A, Iborra O, Galvez G, Rodriguez- Artacho MA, Gomez-Milan E. The mental and subjective skin: Emotion empathy feelings and thermography. *Consciousness and Cognition* 2015; 34: 149-162

Salazar-López E, Dominguez, E, Verdejo J, Gómez-Milán E. The Thermal Imprint of Flamenco Duende. *Thermology international* 2014; 24(4) 147-156

Salazar-Lopez E, Milán EG. The mental and subjective skin: thermography applied to psychology (extended abstract). *Thermology international* 2015, 25(3) 115.

Salca HC, Royo-Salvador MB, Fiallos-Rivera MV, Ollé-Fortuny G, Méndez-Saavedra KV. Altered skin temperature patterns in patients with idiopathic syringomyelia and arnold-chiari malformation type I - A preliminary subjective evaluation using thermography. *Thermology International* 2017, 27 (3): 104-110.

Saleem M, Zitoun R, El Sawj I, Bougherara H. Role of the surface quality on the mechanical behavior of CFRP bolted composite joints. *International Journal of Fatigue* 2015; 80: 246-256

Salehpour F, Rasta SH. The potential of transcranial photobiomodulation therapy for treatment of major depressive disorder. *Reviews in the Neurosciences* 2017, 28(4) 441-453).

Salem V, Izzi-Engbeaya C, Coello C, Thomas DB, Chambers ES, Comminos AN, Buckley A, Win Z, Al- Nahhas A, Rabiner EA, Gunn RN, Budge H, Symonds ME, Bloom SR, Tan TM, Dhillon WS. Glucagon increases energy expenditure independently of brown adipose tissue activation in humans. *Diabetes Obesity and Metabolism* 2016; 18 (1) 72-81

Sales RBC, Pereira RR, Aguilar MTP, Cardoso AV Thermal comfort of seats as visualized by infrared thermography. *Applied Ergonomics* 2017, 62: 142-149.

Saletes I, Gilles B, Auboiroux V, Bendridi N, Salomir R, Béra J.-C. In Vitro Demonstration of Focused Ultrasound Thrombolysis Using Bifrequency Excitation. *BioMed Research International* 2014; 2014, art. no. 518787.

Salgaonkar VA, Prakash P, Rieke V, Ozhinsky E, Plata J, Kurhanewicz J, Hsu I-C, Diederich CJ. Model- based feasibility assessment and evaluation of prostate hyperthermia with a commercial MR-guided endorectal HIFU ablation array. *Medical Physics* 2014; 41 (3) Art. No. 033301.

Salimi A, Sharifi G, Bahrani H, Mohajerani SA, Jafari A, Safari F, Jalessi M, Mirkheshti A, Mottaghi K. Dexmedetomidine could enhance surgical satisfaction in Trans-sphenoidal resection of pituitary adenoma. *Journal of Neurosurgical Sciences* 2017, 61(1) 46-52.

Salminen AV, Rimpilä, V, Polo O. Pramipexole alters thermoregulation in restless legs syndrome. *Journal of Clinical Sleep Medicine* 2014; 10 (12): 1325-1329.

Salota V, Slovakova Z, Panes C, Nundlall A, Goonasekera C. Is postoperative tympanic membrane temperature measurement effective? *British Journal of Nursing* 2016; 25 (9) 490-493

Salvisberg N, Ruckstuhl S. Measuring body temperature in the infant and young child [Temperaturmessung beim Säugling und Kleinkind]. *Kinderkrankenschwester : Organ der Sektion Kinderkrankenpflege / Deutsche Gesellschaft für Sozialpädiatrie und Deutsche Gesellschaft für Kinderheilkunde* 2016; 35 (4) 125-131

Samaca Martinez JR, Toussaint E, Balandraud X, Le Cam JB, Berghezan D. Heat and strain measurements at the crack tip of filled rubber under cyclic loadings using full-field techniques. *Mechanics of Materials* 2015; 81: 62-71

Samavati V, Skandari F. Recovery chemical and rheological characterization of gum from Assyrian pulm. *International Journal of Biological Macromolecules* 2014; 67: 172-179.

Samiezadeh S, Avval PT, Fawaz Z, Bougherara H. On optimization of a composite bone plate using the selective stress shielding approach. *Journal of The Mechanical Behavior of Biomedical Materials* 2015; 42: 138-153

Samoila G, Ford RT, Glasbey JC, Lewis MH, Twine CP, Williams IM. The Significance of Hypothermia in Abdominal Aortic Aneurysm Repair. *Annals of Vascular Surgery* 2017, 38: 323-331.

Sanchez-Carballido S, Salas M, De Castro A, López F. Cutaneous medical analysis through active thermography supported on a thermal model of the skin (extended abstract). *Thermology international* 2015, 25(3) 98

Sánchez-García S, Padilla-Valverde D, Villarejo-Campos P, Martín-Fernández J, García-Rojo M, Rodríguez-Martínez M. Experimental development of an intra-abdominal chemohyperthermia model using a closed abdomen technique and a PRS-1.0 Combat CO2 recirculation system. *Surgery (United States)* 2014; 155 (4) 719-725.

Sanchis-Sanchez E, Salvador-Palmer R, Codoner-Franch P, Martin J, Vergara-Hernandez C, Blasco J, Ballester E, Sanchis E, Gonzalez-Pena R, Cibrian R. Infrared thermography is useful for ruling out fractures in paediatric emergencies. *European Journal of Pediatrics* 2015; 174(4): 493-499

- Sanchis-Sanchez E, Sanchis-Sanchez C, Sanchez-Lorente MM, Blasco JM. Use of thermography in the diagnosis of pressure ulcers category I: A protocol proposal. 2016 Global Medical Engineering Physics Exchanges/Pan American Health Care Exchanges GMEPE/PAHCE 2016, art no 7504648
- Sanchis-Sánchez E, Vergara-Hernández C, Cibrián RM, Salvador R, Sanchis E, Codoñer-Franch P. Infrared thermal imaging in the diagnosis of musculoskeletal injuries: A systematic review and meta- analysis. *American Journal of Roentgenology* 2014; 203 (4) 875-882.
- Sandri GBL, Meniconi RL, Colasanti M, Guglielmo N, Werra E, Mascianà, G, Tortorelli G, Ferraro D, Burocchi M, Campanelli A, Scotti A, Visco-Comandini U, Santoro R, Lepiane P, Vennarecci G, Ettorre GM. Continuous monitoring of the liver graft temperature: Relationship between bacterial contamination of the perfusion fluid and early outcome. *Annals of Translational Medicine* 2016; 4 (20), art no 397
- Sandu RE, Uzoni A, Ciobanu O, Moldovan M, Anghel A, Radu E, Coogan AN, Popa-Wagner A. Post- stroke gaseous hypothermia increases vascular density but not neurogenesis in the ischemic penumbra of aged rats. *Restorative Neurology and Neuroscience* 2016; 34 (3) 401-414
- Sanfins W, Risaletto D, Richardeau F, Blondel G, Chemin M, Baudesson P. Preliminary failure-mode characterization of emerging direct-lead-bonding power module. Comparison with standard wire-bonding Interconnection. *Microelectronics Reliability* 2015; 55(9)-10: 1956-1960
- Sanghvi NT, Chen W-H, Carlson R, Weis C, Seip R, Uchida T, Marberger M. Clinical validation of real-time tissue change monitoring during prostate tissue ablation with high intensity focused ultrasound. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 24.
- Saniei E, Setayeshi S, Akbari ME, Navid M. A vascular network matching in dynamic thermography for breast cancer detection. *Quantitative Infrared Thermography Journal* 2015; 12(1): 24-36
- Sanino A, Dastrù, W, Mainini F, Castelli DD, Aime S, Terreno E. Polymeric vesicles loaded with gadoteridol as reversible and concentration-independent magnetic resonance imaging thermometers. *Journal of Biomedical Nanotechnology* 2014; 10 (8) 1620-1626.
- San-Juan M, Santos FJ, De-Tiedra MD, Lopez R, Martin O. Milling process monitoring by high-speed IR thermography. *DYNA* 2015; 90(2): 188-194
- Sano A, Picard RW, Stickgold R. Quantitative analysis of wrist electrodermal activity during sleep. *International Journal of Psychophysiology* 2014; 94 (3): 382-389.
- Sano A, Picard RW. Comparison of sleep-wake classification using electroencephalogram and wrist-worn multi-modal sensor data. 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBC 2014, art. no. 6943744: 930-933.
- Santhosh M, Chinnadayala SR, Kakoti A, Goswami P. Selective and sensitive detection of free bilirubin in blood serum using human serum albumin stabilized gold nanoclusters as fluorometric and colorimetric probe. *Biosensors and Bioelectronics* 2014; 59, 370-376.
- Santis LR, Silva TM, Haddad BA, Gonçalves LL, Gonçalves SEP. Influence of dentin thickness on intrapulpal temperature under simulated pulpal pressure during Nd:YAG laser irradiation. *Lasers in Medical Science* 2017, 32 (1): 161-167.
- Santos E, Brioschi ML, Jacobsen Teixeira M. Endothelial dysfunction: Doppler ultrasound or thermography? (extended abstract) *Thermology international* 2014; 24(1) 13-14
- Santos GM, De Santi Ferrara FI, Zhao F, Rodrigues DF, Shih W-C. Photothermal inactivation of bacteria on plasmonic nanostructures. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9724, art no 97240D
- Santos MA, Goertz DE, Hynynen K. Focused ultrasound hyperthermia mediated drug delivery using thermosensitive liposomes and visualized with in vivo two-photon microscopy. *Theranostics* 2017, 7 (10): 2718-2731.
- Santos MAB, de Souza IB, de Macedo LO, do Nascimento Ramos CA, de Oliveira Rego AG, Alves LC, Ramos RAN, de Carvalho GA. *Cercopithecifilaria binae* in *Rhipicephalus sanguineus sensu lato* ticks from dogs in Brazil. *Ticks and Tick-borne Diseases* 2017, 8 (4): 623-625.
- Santos MV, Sansinena M, Chirife J, Zaritzky N. Determination of heat transfer coefficients in plastic French straws plunged in liquid nitrogen *Cryobiology* 2014; 69 (3): 488-495.
- Sanz-López F, Martínez-Amat A, Hita-Contreras F, Valero-Campo C, Berzosa C. Thermographic Assessment of Eccentric Overload Training Within Three Days of a Running Session. *Journal of Strength and Conditioning Research* 2016; 30 (2) 504-511
- Sappal R, MacDonald N, Fast M, Stevens D, Kibenge F, Siah A, Kamunde C. Interactions of copper and thermal stress on mitochondrial bioenergetics in rainbow trout, *Oncorhynchus mykiss*. *Aquatic Toxicology* 2014, 157: 10-20.
- Sardanelli F, Aase HS, Álvarez M, Azavedo E, Baarslag HJ, Balleyguier C, Baltzer PA, Beslagic V, Bick U, Bogdanovic-Stojanovic D, Briediene R, Brkljacic B, Camps Herrero J, Colin C, Cornford E, Danes J, de Geer G, Esen G, Evans A, Fuchsjaeger MH, Gilbert FJ, Graf O, Hargaden G, Helbich TH, Heywang-Köbrunner SH, Ivanov

- V, Jónsson Á, Kuhl CK, Lisencu EC, Luczynska E, Mann RM, Marques JC, Martincich L, Mortier M, Müller-Schimpfle M, Ormandi K, Panizza P, Pediconi F, Pijnappel RM, Pinker K, Rissanen T, Rotaru N, Saguatti G, Sella T, Slobodníková, J, Talk M, Taourel P, Trimboli RM, Vejborg I, Vourtsis A, Forrai G. Position paper on screening for breast cancer by the European Society of Breast Imaging (EUSOBI) and 30 national breast radiology bodies from Austria Belgium Bosnia and Herzegovina Bulgaria Croatia Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland Italy Israel Lithuania Moldova The Netherlands Norway Poland Portugal Romania Serbia Slovakia Spain Sweden Switzerland and Turkey. *European Radiology* 2017, 27 (7): 2737-2743.
- Sardanelli F, Aase HS, Álvarez M, Azavedo E, Baarslag HJ, Balleyguier C, Baltzer PA, Beslagic V, Bick U, Bogdanovic-Stojanovic D, Briediene R, Brkljacic B, Camps Herrero J, Colin C, Cornford E, Danes J, de Geer G, Esen G, Evans A, Fuchsjaeger MH, Gilbert FJ, Graf O, Hargaden G, Helbich TH, Heywang- Köbrunner SH, Ivanov V, Jónsson Á, Kuhl CK, Lisencu EC, Luczynska E, Mann RM, Marques JC, Martincich L, Mortier M, Müller-Schimpfle M, Ormandi K, Panizza P, Pediconi F, Pijnappel RM, Pinker K, Rissanen T, Rotaru N, Saguatti G, Sella T, Slobodníková, J, Talk M, Taourel P, Trimboli RM, Vejborg I, Vourtsis A, Forrai G. Position paper on screening for breast cancer by the European Society of Breast Imaging (EUSOBI) and 30 national breast radiology bodies from Austria Belgium Bosnia and Herzegovina Bulgaria Croatia Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland Italy Israel Lithuania Moldova The Netherlands Norway Poland Portugal Romania Serbia Slovakia Spain Sweden Switzerland and Turkey. *European Radiology* 1-7 Article in Press
- Sarin S, Amsel R, Binik YM. How hot is he? A psychophysiological and psychosocial examination of the arousal patterns of sexually functional and dysfunctional men. *Journal of Sexual Medicine* 2014; 11 (7): 1725-1740.
- Sarkaria IS, Luketich JD. Seeing green augmentation of lymph node assessment with near-infrared imaging in esophageal cancer resections. *Journal of Thoracic and Cardiovascular Surgery* 2016; 152 (2) 555-556
- Sarmiento Fontes G, Brioschi ML, Jacobsen Teixeira M. Medical expert thermography examination (extended abstract). *Thermology international* 2014; 24(1) 17
- Sarraf K, Launay S, El Achkar G, Tadrist L. Local vs global heat transfer and flow analysis of hydrocarbon complete condensation in plate heat exchanger based on Infrared thermography. *International Journal of Heat and Mass Transfer* 2015; 90: 878-893
- Sasajima T, Kikuchi S, Ishikawa N, Koyama T. Skin temperature in lower hind limb subjected to distal vein arterialization in rats. *Advances in Experimental Medicine and Biology* 2014; 812: 361- 368.
- Sasaki GH, Abelev N, Tevez-Ortiz A. Noninvasive selective cryolipolysis and reperfusion recovery for localized natural fat reduction and contouring. *Aesthetic Surgery Journal* 2014; 34 (3) 420-431.
- Sathicq MB, Gómez N, Andrinolo D, Sedán D, Donadelli JL. Temporal distribution of cyanobacteria in the coast of a shallow temperate estuary (Río de la Plata): some implications for its monitoring. *Environmental Monitoring and Assessment* 2014; 186 (11): 7115-7125.
- Sathish D, Kamath S, Rajagopal KV, Prasad K. Medical imaging techniques and computer aided diagnostic approaches for the detection of breast cancer with an emphasis on thermography - A review. *International Journal of Medical Engineering and Informatics* 2016; 8 (3) 275-299
- Sathya TA, Jacob AM, Khan M. Cloning and molecular modelling of pectin degrading glycosyl hydrolase of family 28 from soil metagenomic library. *Molecular Biology Reports* 2014; 41 (4) 2645-2656.
- Sato MK, Toda M, Inomata N, Maruyama H, Okamatsu-Ogura Y, Arai F, Ono T, Ishijima A, Inoue Y. Temperature changes in brown adipocytes detected with a bimaterial microcantilever. *Biophysical Journal* 2014; 106 (11) 2458-2464.
- Satoh M, Okamoto K, Tabei K.-I, Kida H, Tomimoto H, Eda H. The effect of motion artifacts on near-infrared spectroscopy (NIRS) data and proposal of a video-NIRS system. *Dementia and Geriatric Cognitive Disorders Extra* 2017, 7(3) 406-418
- Satta F, Tanda G. Effect of discrete-hole arrangement on film-cooling effectiveness for the endwall of a turbine blade cascade. *Applied Thermal Engineering* 2015; 91: 507-514
- Sauer H, Berz R. Short term effects of local infrared irradiation on diabetic feet and legs –case studies using thermography. (abstract). *Thermology international* 2015, 25(1) 17-18
- Sauer H. Therapeutically UV irradiation of the blood applied to problems of peripheral arterial blood supply, controlled by thermography (abstract). *Thermology international* 2015, 25(1) 16
- Sauvé, CC, Van De Walle J, Hammill MO, Arnould JPY, Beuplet G. Stomach temperature records reveal nursing behaviour and transition to solid food consumption in an unweaned mammal the harbour seal pup (*Phoca vitulina*). *PLoS ONE* 2014; 9 (2) Art. No. e90329.
- Savage RJ, Lord C, Larsen BL, Knight TL, Langridge PD, Aisbett B. Firefighter feedback during active cooling: A useful tool for heat stress management? *Journal of Thermal Biology* 2014; 46: 66-71.
- Savin A, Bruma A, Steigmann R, Iftimie N, Faktorova D. Enhancement of Spatial Resolution Using a Metamaterial Sensor in Nondestructive Evaluation. *Applied Sciences-Basel* 2015; 5(4): 1412-1430
- Savin A, Bruma A, Steigmann R, Iftimie N, Faktorova D. Enhancement of Spatial Resolution Using a Metamaterial Sensor in Nondestructive Evaluation. *Applied Sciences-Basel* 2015; 5(4): 1412-1430

Saw MH, Hishamuddin E, Chong CL, Yeoh CB, Lim WH. Effect of polyglycerol esters additive on palm oil crystallization using focused beam reflectance measurement and differential scanning calorimetry. *Food Chemistry* 2017, 214: 277-284.

Sawamoto K, Bird SB, Katayama Y, Maekawa K, Uemura S, Tanno K, Narimatsu E. Outcome from severe Scammell A, Kim J. Heat transfer and flow characteristics of rising Taylor bubbles. *International Journal of Heat and Mass Transfer* 2015; 89: 379-389

Scervini M, Palmer J, Haggard DC, Swank WD. Low drift type N thermocouples in out-of-pile advanced gas reactor mock-up test: Metallurgical analysis. (2015) 2015 4th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2015, art no 7465292

Schafer D, Boogaart S, Johnson L, Keezel C, Ruperts L, Van Der Laan KJ. Comparison of neonatal skin sensor temperatures with axillary temperature. *Advances in Neonatal Care* 2014; 14 (1): 52-60.

Schalder EL, Horjales-Araujo E, Demontis D, Børghlum AD, Svensson P, Finnerup NB. No association of polymorphisms in the serotonin transporter gene with thermal pain sensation in healthy individuals.

Schara K, Štukelj R, Krek JL, Lakota K, Sodin-Šemrl S, Boulton AJM, Kralj-Iglič V. A study of extracellular vesicle concentration in active diabetic Charcot neuroarthropathy. *European Journal of Pharmaceutical Sciences* 2017, 98: 58-63.

Schaumburg F, Guarnieri FA. Assessment of thermal effects in a model of the human head implanted with a wireless active microvalve for the treatment of glaucoma creating a filtering bleb. *Physics in Medicine and Biology* 2017, 62 (9): N191-N203.

Schechter A, Eyal O, Zuckerman-Levin N, Amihai-Ben-Yaacov V, Weintrob N, Shehadeh N. A prototype of a new noninvasive device to detect nocturnal hypoglycemia in adolescents with type 1 diabetes-a pilot study. *Diabetes Technology and Therapeutics* 2014; 16 (SUPPL. 1): S103- S104.

Schena E, Majocchi L. Assessment of temperature measurement error and its correction during Nd: YAG laser ablation in porcine pancreas. *International Journal of Hyperthermia* 2014; 2014; 30 (5) 328-334.

Schena E, Saccomandi P, Fong Y. Laser ablation for cancer: Past, present and future. *Journal of Functional Biomaterials* 2017, 8(2) Article Number: 19.

Scher CS, Chui I, Miller SM. General principles of intraoperative management of the severe blunt or polytrauma patient: The resuscitative phase. *Anesthesia for Trauma: New Evidence and New Challenges*: 81-105.

Scherer J, Rainsford KD, Kean CA, Kean WF. Pharmacology of intra-articular triamcinolone. *Inflammopharmacology* 2014; 22 (4) 201-217.

Scheuer W, Thomas M, Hanke P, Sam J, Osl F, Weininger D, Baehner M, Seeber S, Kettenberger H, Schanzer J, Brinkmann U, Weidner KM, Regula J, Klein C. Anti-tumoral anti-angiogenic and anti- metastatic efficacy of a tetravalent bispecific antibody (TAVi6) targeting VEGF-A and angiopoietin-2. *mAbs* 2016; 8 (3) 562-573

Scheutz C, Pedersen RB, Petersen PH, Jørgensen JHB, Ucendo IMB, Mønster JG, Samuelsson J, Kjeldsen P. Mitigation of methane emission from an old unlined landfill in Klintholm Denmark using a passive biocover system. *Waste Management* 2014; 34 (7): 1179-1190.

Schilder J.CM, Van Dijk JG, Dressler D, Koelman JHTM, Marinus J, Van Hilten JJ. Responsiveness to botulinum toxin type A in muscles of complex regional pain patients with tonic dystonia *Journal of Neural Transmission* 2014; 121 (7): 761-767.

Schillo C, Rostermundt D, Krause D. Experimental and numerical study on the influence of imperfections on the buckling load of unstiffened CFRP shells. *Composite Structures* 2015; 131: 128-138

Schirhagl R, Chang K, Loretz M, Degen CL. Nitrogen-vacancy centers in diamond: Nanoscale sensors for physics and biology. *Annual Review of Physical Chemistry* 2014; 65: 83-105.

Schlader ZJ, Crandall CG. Normothermic central hypovolemia tolerance reflects hyperthermic tolerance. *Clinical Autonomic Research* 2014; 24 (3): 119-126.

Schlader ZJ, Rivas E, Soller BR, Convertino VA, Crandall CG. Tissue oxygen saturation during hyperthermic progressive central hypovolemia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 307 (6): R731-R736.

Schlaudraff K-U, Kiessling MC, Császár NBM, Schmitz C. Predictability of the individual clinical outcome of extracorporeal shock wave therapy for cellulite. *Clinical Cosmetic and Investigational Dermatology* 2014; 7, 171-182.

Schlereth T, Drummond PD, Birklein F. Inflammation in CRPS: Role of the sympathetic supply. *Autonomic Neuroscience: Basic and Clinical* 2014; 182: 102-107.

Schlottmann F, Barbetta A, Mungo B, Lidor AO, Molena D. Identification of the Lymphatic Drainage Pattern of Esophageal Cancer with Near-Infrared Fluorescent Imaging. *Journal of Laparoendoscopic and Advanced Surgical Techniques* 2017, 27 (3): 268-271.

Schluermann CN, Hoepfner J, Benk C, Schmidt R, Loop T, Kalbhenn J. Intra-Abdominal pressure Cardiac Index and vascular resistance during hyperthermic intraperitoneal chemotherapy: A prospective observational study.

Minerva Anesthesiologica 2016; 82 (2) 160-169

Schmidt F, Dittberner A, Koscielny S, Petersen I, Guntinas-Lichius O. Feasibility of real-time near-infrared indocyanine green fluorescence endoscopy for the evaluation of mucosal head and neck lesions. *Head and Neck* 2017, 39 (2): 234-240.

Schmidt FN, Zimmermann EA, Campbell GM, Sroga GE, Püschel K, Amling M, Tang SY, Vashishth D, Busse B. Assessment of collagen quality associated with non-enzymatic cross-links in human bone using Fourier-transform infrared imaging. *Bone* 2017, 97: 243-251.

Schmidt P, Novinski CO, Junges D, Almeida R, de Souza CM. Concentration of mycotoxins and chemical composition of corn silage: A, farm survey using Infrared thermography. *Journal of Dairy Science* 2015; 98(9): 6609-6619

Schmidt TM, Wang ZJ, Keller S, Heinemann A, Acar S, Graessner J, Schoennagel BP, Adam G, Fischer R, Yamamura J. Postmortem 31P magnetic resonance spectroscopy of the skeletal muscle: α -ATP/Pi ratio as a forensic tool? *Forensic Science International* 2014; 242, 172-176.

Schmitt A, Mougnot C, Chopra R. Spatiotemporal filtering of MR-temperature artifacts arising from bowel motion during transurethral MR-HIFU. *Medical Physics* 2014; 41 (11) Art. No. 113302.

Schmutzler H, Garcia A, Sato N, Wittich H, Nishikawa M, Rohling H, Hojo M, Schulte K, Fiedler B. Influence of Delamination Characteristics in Carbon Fibre/Epoxy Laminates on Signal Features of Pulse Thermography. *Journal of Nondestructive Evaluation* 2015; 34(1), 1-10.

Schneemann M, Kirchartz T, Carius R, Rau U. Electric properties and carrier multiplication in breakdown sites in multi-crystalline silicon solar cells. *Journal of Applied Physics* 2015; 117(20) 205703

Schneider ME, Lombardo P. Brain Surface Heating After Exposure to Ultrasound: An Analysis Using Thermography. *Ultrasound in Medicine and Biology* 2016; 42 (5) 1138-1144

Schneldorfer T, Jenkins RL, Birkett DH, Georgakoudi I. From Shadow to Light: Visualization of Extrahepatic Bile Ducts Using Image-Enhanced Laparoscopy. *Surgical Innovation* 2015; 22(2): 194-200

Schnichels S, Dorfi T, Schultheiss M, Arango-Gonzalez B, Bartz-Schmidt K-U, Januschowski K, Spitzer MS, Ziemssen F. Ex-vivo-examination of ultrastructural changes in organotypic retina culture using near- infrared imaging and optical coherence tomography. *Experimental Eye Research* 2016; 147 31-36

Schober A, Sterz F, Handler C, Kürkciyan I, Laggner A, Röggl M, Schwameis M, Wallmueller C, Testori C. Cardiac arrest due to accidental hypothermia-A 20 year review of a rare condition in an urban area.

Schönherr-Hellec S, Klein G, Delannoy J, Ferraris L, Friedel I, Rozé, JC, Butel MJ, Aires J. Comparative phenotypic analysis of "Clostridium neonatale" and Clostridium butyricum isolates from neonates. *Anaerobe* 2017, 48: 76-82.

Schooneveldt G, Bakker A, Balidemaj E, Chopra R, Crezee J, Geijssen ED, Hartmann J, Hulshof MCCM, Kok HP, Paulides MM, Sousa-Escandon A, Stauffer PR, Maccarini PF. Thermal dosimetry for bladder hyperthermia treatment An overview. *International Journal of Hyperthermia* 2016; 32 (4) 417-433

Schramm C, Abaza A, Blumenstock G, Bechtold TE, Rickmann A, Bartz-Schmidt K-U, Besch D, Januschowski K. Limitations of the TheraMon®-microsensor in monitoring occlusion therapy. *Acta Ophthalmologica* 2016; 94 (8) e753-e756

Schreibvogel P, Pfitzner M. Optical convective heat transfer measurements using Infrared thermography and frequency domain phosphor thermometry. *International Journal of Heat and Mass Transfer* 2015; 82: 299-308

Schroeder JL, Missios S, Barnett GH, Mohammadi AM. Laser interstitial thermal therapy as a novel treatment modality for brain tumors in the thalamus and basal ganglia. *Photonics and Lasers in Medicine* 2014; 3 (2) 151-158.

Schuhfried O, Herceg M, Reichel-Vacariu G, Paternostro-Sluga T. Infrared Thermographic Pattern of Lower Limb Complex Regional Pain Syndrome (Type I) and its Correlation with Pain Disease Duration and Clinical Signs [Das infrarot-thermografische Muster beim Komplexen Regionalen Schmerzsyndrom Typ I der unteren Extremität und Korrelation mit Schmerz Krankheitsdauer und Symptomen]. *Physikalische Medizin Rehabilitationsmedizin Kurortmedizin* 2016; 26 (6), art no phym2016-03-0224 288-292

Schuler D, Sansone R, Freudenberger T, Rodriguez-Mateos A, Weber G, Momma T.Y, Goy C, Altschmied J, Haendeler J, Fischer JW, Kelm M, Heiss C. Measurement of endothelium- dependent vasodilation in mice-brief report. *Arteriosclerosis Thrombosis and Vascular Biology* 2014; 34 (12): 2651-2657.

Schulte-Lünzum R, Gutknecht N, Conrads G, Franzen R. The Impact of a 940 nm Diode Laser with Radial Firing Tip and Bare End Fiber Tip on Enterococcus faecalis in the Root Canal Wall Dentin of Bovine Teeth: An In Vitro Study. *Photomedicine and Laser Surgery* 2017, 35 (7): 357-363.

Schulte-Uebbing C. MammoVision - An Integrative Breast Cancer Prevention and Diagnostic Method . (abstract). *Thermology international* 2015, 25(1) 21

Schumann M, Schulz H, Hackney AC, Bloch W. Feasibility of high-intensity interval training with hyperoxia vs. intermittent hyperoxia and hypoxia in cancer patients undergoing chemotherapy – Study protocol of a randomized controlled trial. *Contemporary Clinical Trials Communications* 2017, 8: 213-217

Schuster A, Thielecke M, Raharimanga V, Ramarokoto CE, Rogier C, Krantz I, Feldmeier H. High-resolution infrared thermography: A new tool to assess tungiasis-associated inflammation of the skin. *Tropical Medicine and Health* 2017, 45 (1), art. no. 23.

Schvartsman C, Pereira LAA, Braga ALF, Farhat SCL. Seven-day cumulative effects of air pollutants increase respiratory ER visits up to threefold. *Pediatric Pulmonology* 2017, 52 (2): 205-212.

Schwartz B. Rethinking Breast Thermography Dogma *Pan American Journal of Medical Thermology* 2015; 2(2) 94-96

Schwartz PJ. Can the season of birth risk factor for schizophrenia be prevented by bright light treatment for the second trimester mother around the winter solstice? *Medical Hypotheses* 2014; 83 (6) 809-815.

Schwartz SA. Therapeutic Intention: Into the Next Generation. *Explore* 2017, 13 (3): 158-162.

Schweda M, Beck T, Malzbender J, Singheiser L. Damage evolution of a thermal barrier coating system with 3-dimensional periodic Interface roughness: Effects of roughness depth substrate creep strength and pre-oxidation. *Surface & Coatings Technology* 2015; 276: 368-373

Schweiger T, Schwarz S, Traxler D, Dodier P, Aigner C, Lang G, Klepetko W, Hoetzenecker K. Bronchoscopic Indocyanine Green Fluorescence Imaging of the Anastomotic Perfusion after Tracheal Surgery. *Annals of Thoracic Surgery* 2016; 101 (5) 1943-1949

Schwenke M, Strehlow J, Demedts D, Haase S, Barrios Romero D, Rothlübbers S, von Dresky C, Zidowitz S, Georgii J, Mihcin S, Bezzi M, Tanner C, Sat G, Levy Y, Jenne J, Günther M, Melzer A, Preusser T. A focused ultrasound treatment system for moving targets (part I): Generic system design and in-silico first-stage evaluation. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 20. *Science & Technology* 2015; 26(8) 085017

Scolnik M, Vasta B, Hart DJ, Shipley JA, McHugh NJ, Pauling JD. Symptoms of Raynaud's phenomenon (RP) in fibromyalgia syndrome are similar to those reported in primary RP despite differences in objective assessment of digital microvascular function and morphology. *Rheumatology International* 2016; 36 (10) 1371-1377

Scotney H, Symonds ME, Law J, Budge H, Sharkey D, Manolopoulos KN. Glucocorticoids modulate human brown adipose tissue thermogenesis in vivo. *Metabolism: Clinical and Experimental* 2017, 70: 125-132.

Seeberg TM, Vedum J, Sandsund M, Austad HO, Liverud AE, Vardoy A.-SB, Svagard I, Strisland F. Development of a wearable multisensor device enabling continuous monitoring of vital signs and activity. *IEEE-EMBS International Conference on Biomedical and Health Informatics BHI 2014*, art. no. 6864342: 213-218.

Segade P, García N, García Estévez JM, Arias C, Iglesias R. Encystment/excystment response and serotypic variation in the gastropod parasite *Tetrahymena rostrata* (Ciliophora Tetrahymenidae).

Segna E, Pucciarelli V, Beltramini G.A, Sforza C, Silvestre F.J, Gianni AB, Baj A Parry Romberg syndrome & linear facial scleroderma: Management in pediatric population. *Journal of Biological Regulators and Homeostatic Agents* 2017, 31(2, Supplement 1) 131-138.

Seifert E, Bliedtner K, Brinkmann R. Laser speckle tracking for monitoring and analysis of retinal photocoagulation. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 8946, art. no. 89460F.

Seixas A, Ammer K, Carvalho R, Vilas-Boas JP, Vardasca R Mendes J. Do clinical signs of peripheral artery disease in the posterior tibial artery influence skin temperature? Preliminary results (extended abstract). *Thermology international* 2017; 27 (2) 70-71

Seixas A, Ammer K. Instructional courses on medical thermography - A historical perspective. *Thermology International* 2017, 27 (3): 98-103.

Seixas A, Hausler V, Monteneiro J, Vardasca R, Gabriel J, Rodrigues S. Facial skin temperature changes in response to experimentally induced pain. (extended abstract). *Thermology international* 2015, 25(2) 69.

Seixas A, Hausler V, Monteneiro J, Vardasca R, Gabriel J, Rodrigues S. Facial skin temperature changes in response to experimentally induced pain. (extended abstract). *Thermology international* 2015, 25(2) 69.

Seixas A, Häussler V, Monteiro, Vardasca R, Gabriel J, Rodrigues S. Experimentally induced pain elicits autonomic arousal in healthy subjects (extended abstract). *Thermology international* 2015, 25(3) 138.

Seixas A, Häussler V, Monteiro, Vardasca R, Gabriel J, Rodrigues S. Skin temperatura is correlated with symptoms in patients with patellar tendinopathy (extended abstract). *Thermology international* 2015, 25(3) 142-143.

Seixas A, Häussler V, Monteiro, Vardasca R, Gabriel J, Rodrigues S. Experimentally induced pain elicits autonomic arousal in healthy subjects (extended abstract). *Thermology international* 2015, 25(3) 138.

Seixas A, Häussler V, Monteiro, Vardasca R, Gabriel J, Rodrigues S. Skin temperatura is correlated with symptoms in patients with patellar tendinopathy (extended abstract). *Thermology international* 2015, 25(3) 142-143.

Seixas A, Rodrigues S, Soares V, Dias T. Changes in skin temperature and thermal symmetry induced by a physiotherapy occupational task (extended abstract). *Thermology international* 2015, 25(3) 128.

Seixas A, Silva M, Souto M, Gabriel J, Rodrigues S. Reporting Body Composition In Thermal Imaging Studies,

- General Or Local Measures? Preliminary Results (extended abstract). *Thermology international* 2016, 26 (Supplement) S8
- Seixas A. A Systematic (?) Review of Infrared Thermography in Plastic Surgery. Review of a paper by John HE et al. *Gland Surg* 2016;5(2):122-132. *Thermology international* 2016, 26(2) 57-58
- Seixas A. Infrared thermographic assessment in lower limb complex regional pain syndrome type I. *Thermology International* 2017, 27 (1): 9-10.
- Seixas A. Letter to the editor: Thermology is multidisciplinary. *Thermology international* 2017; 27 (4) 139-140
- Seixas A. The effects of electrical stimulation on local body fat and skin temperature. *Thermology international* 2017; 27 (4) 127-129
- Sejling AS, Lange KHW, Frandsen CS, Diemar SS, Tarnow L, Faber J, Holst JJ, Hartmann B, Hilsted L, Kiaer T, Juhl CB, Thorsteinsson B, Pedersen-Bjergaard U. Infrared thermographic assessment of changes in skin temperature during hypoglycaemia in patients with type 1 diabetes. *Diabetologia* 2015; 58(8): 1898- 1906
- Seker K, Engin M. Deep tissue near-infrared imaging for vascular network analysis. *Journal of Innovative Optical Health Sciences* 2017, 10 (3), art. no. 1650051.
- Seker K, Engin M. Deep tissue near-infrared imaging for vascular network analysis. *Journal of Innovative Optical Health Sciences* Article in Press
- Selfe J, Alexander J, Costello JT, May K, Garratt N, Atkins S, Dillon S, Hurst H, Davison M, Przybyla D, Coley A, Bitcon M, Littler G, Richards J. The effect of three different (-135°C) whole body cryotherapy exposure durations on elite rugby league players. *PLoS ONE* 2014; 9 (1), art. no. e86420.
- Selfe J; Alexander J, Costello J, May K, Garratt N, Atkins S, Dillon S, Hurst H, Davison M, Przybyla D, Coley A, Bitcon M, Littler G, Richards J. Differences in skin temperature responses during three different (- 135°C) whole body cryotherapy exposure durations in elite rugby league players (extended abstract).
- Selker J, Selker F, Huff J, Short R, Edwards D, Nicholson P, Chin A. Practical strategies for identifying groundwater discharges into sediment and surface water with fiber optic temperature measurement. *Environmental Sciences: Processes and Impacts* 2014; 16 (7): 1772-1778.
- Sellani G, Fernandes D, Nahari A, de Oliveira MF, Valois C, Pereira WCA, Machado CB. Assessing heating distribution by therapeutic ultrasound on bone phantoms and in vitro human samples using infrared thermography. *Journal of Therapeutic Ultrasound* 2016; 4 (1), art no 13
- Selvaraj N. Long-term remote monitoring of vital signs using a wireless patch sensor. *IEEE Healthcare Innovation Conference HIC 2014*, art. no. 7038880: 83-86.
- Semenenko I, Portnoy E, Aboukaoud M, Guzy S, Shmuel M, Itzhak G, Eyal S. Evaluation of near infrared dyes as markers of P-glycoprotein activity in tumors. *Frontiers in Pharmacology* 2016; 7 (NOV), art no 426
- Semenova ZB, Marshintsev AV, Melnikov AV, Meshcheryakov SV, Adayev AR, Lukyanov VI. Infrascanner™ in the diagnosis of intracranial lesions in children with traumatic brain injuries. *Brain Injury* 2016; 30 (1) 18-22
- Sen R, AF Sen Rajan. Developments in the durability of FRP-concrete bond. *Construction and Building Materials* 2015; 78: 112-125
- Şengeze N, Kutluhan S, Karaaslan T. Comparison of the decompressive surgery and medical therapy alone results in malignant middle cerebral artery infarction [Geniş orta serebral arter infarktında dekompresif cerrahi ve yalnızca medikal tedavi sonuçlarının karşılaştırılması]. *Journal of Neurological Sciences* 2016; 33 (2), art no 48 296-308
- Sengvilaipaseuth O, Phommasone K, De Lamballerie X, Vongsouvath M, Phonemixay O, Blacksell SD, Mayxay M, Keomany S, Souvannasing P, Newton PN, Dubot-Pères A Temperature of a Dengue Rapid Diagnostic Test under Tropical Climatic Conditions: A Follow Up Study. *PLoS ONE* 2017, 12(1) Article Number: e0170359
- Senthil K, Arockiarajan A, Palaninathan R. Performance studies on compressively loaded debonded composite splice joint. *Journal of Composite Materials* 2015; 49(1)3: 1613-1627
- Senthil K, Arockiarajan A, Palaninathan R. Structural behavior of composite cylindrical splice joint panels under axial compression: Experiments and numerical studies. *Composite Structures* 2015; 127: 316-327
- Seo J, Kim SK, Kim Y-S, Choi K, Kong DG, Bang W-C. Motion compensation for ultrasound thermal imaging using motion-mapped reference model: An in vivo mouse study. *IEEE Transactions on Biomedical Engineering* 2014; 61 (11), art. no. 6818364: 2669-2678.
- Seo J.-H, Jeon E.-J, Park Y.-S, Kim JH, Chang K.-H, Yeo S.-W . Meteorological conditions related to the onset of idiopathic sudden sensorineural hearing loss. *Yonsei Medical Journal* 2014; 55 (6): 1678-1682.
- Seo Y, DiLeo T, Powell JB, Kim J-H, Roberge RJ, Coca A. Comparison of estimated core body temperature measured with the BioHarness and rectal temperature under several heat stress conditions. *Journal of Occupational and Environmental Hygiene* 2016; 13 (8) 612-620
- Seoane F, Mohino-Herranz I, Ferreira J, Alvarez L, Buendia R, Ayllón D, Llerena C, Gil-Pita R. Wearable biomedical measurement systems for assessment of mental stress of combatants in real time. *Sensors (Basel Switzerland)* 2014; 14 (4): 7120-7141.

Serezhkina LB, Vologzhanina AV, Karasev MO, Peresyphina EV, Virovets AV, Serezhkin VN. Synthesis and X-ray diffraction study of $\text{Li}(\text{NH}_4)_2[\text{UO}_2](\text{CH}_3\text{COO})_3 \cdot 2\text{H}_2\text{O}$ and $(\text{CN}_3\text{H}_6)_4[\text{UO}_2(\text{CH}_3\text{COO})_3](\text{NO}_3)_3$. *Russian Journal of Inorganic Chemistry* 2015; 60(1): 38-45

Sergeev SV, Grigor'kina ES, Smogunov VV, Kuz'min AV, Volkova NA. The combined application of thermography and local thermometry for diagnostics prognostication modeling and evaluation of the effectiveness of the treatment of acute sinusitis. *Vestnik otorinolaringologii* (5): 52-54.

Seron-Ferre M, Reynolds H, Mendez N, Mondaca M, Valenzuela FJ, R E, Valenzuela GJ, Herrera EA, Llanos AJ, Torres-Farfan C. Impact of maternal melatonin suppression on amount and functionality of brown adipose tissue (BAT) in the newborn sheep. *Frontiers in Endocrinology* 2014; 5 (DEC), art. no. 232.

Serra C, Simoes N, Tadeu A. Study of experimental parameters for IRT applications in building elements using multi-layered analytical solutions. In: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23, 2015, Baltimore MD, 2015; pp.948509-948509-9.

Sessler DI, Mascha EJ. Zero-heat flux thermometry. *European Journal of Anaesthesiology* 2016; 33 (2) 140-141

Sessler DI. Temperature monitoring: The consequences and prevention of mild perioperative hypothermia. *Southern African Journal of Anaesthesia and Analgesia* 2014; 20 (1): 25-31.

Sett S, Bach LT, Schulz KG, Koch-Klavsen S, Lebrato M, Riebesell U. Temperature modulates coccolithophorid sensitivity of growth photosynthesis and calcification to increasing seawater pCO₂. *PLoS ONE* 2014; 9 (2), art. no. e88308.

Sevenois RDB, Van Paepegem W. Fatigue Damage Modeling Techniques for Textile Composites: Review and Comparison with Unidirectional Composite Modeling Techniques. *Applied Mechanics Reviews* 2015; 67(2) 021401

Sfarra S, Bendada A, Ibarra-Castanedo C, Ambrosini D, Paoletti D, Maldague X Santa Maria di Collemaggio Church (L'Aquila, Italy): Historical Reconstruction by Non-Destructive Testing Techniques. *International Journal of Architectural Heritage* 2015; 9(4): 367-390

Sfarra S, Theodorakeas P, Ibarra-Castanedo C, Avdelidis NP, Ambrosini D, Cheilakou E, Paoletti D, Kouj M, Bendada A, Maldague X. How to Retrieve information inherent to Old Restorations Made on Frescoes of Particular Artistic Value Using Infrared Vision? *International Journal of Thermophysics* 2015; 36(1)0-11: 3051-3070

Shabat YB, Shitzer A, Fiala D. Modified wind chill temperatures determined by a whole body thermoregulation model and human-based facial convective coefficients. *International Journal of Biometeorology* 2014; 58 (6): 1007-1015.

Shademan A, Decker RS, Opfermann JD, Leonard S, Krieger A, Kim PCW. Supervised autonomous robotic soft tissue surgery. *Science Translational Medicine* 2016; 8 (337)

Shafer SL, Dexter F, Brull SJ. Deadly heat: Economics of continuous temperature monitoring during general anesthesia. *Anesthesia and Analgesia* 2014; 119 (6): 1235-1237.

Shah A, Jung H. Treatment of brainstem cavernous malformations. *Clinical Neurology and Neurosurgery* 2017, 154: 49-50.

Shang K, Bai J, Wu H, Lu Y, Du S, Yang C, Cheng Y. Research on stability of melittin in different solvent systems. *Zhongguo Zhong yao za zhi = Zhongguo zhongyao zazhi = China journal of Chinese materia medica* 2014; 39 (22): 4324-4328.

Shankaran S, Laptook AR, Pappas A, McDonald SA, Das A, Tyson JE, Poindexter BB, Schibler K, Bell EF, Heyne RJ, Pedroza C, Bara R, Meurs KPV, Grisby C, Huitema CMP, Garg M, Ehrenkranz RA, Shepherd EG, Chalak LF, Hamrick SEG, Khan AM, Reynolds AM, Laughon MM, Truog WE, Dysart K.C, Carlo WA, Walsh M.C, W atterberg KL, Higgins RD. Effect of depth and duration of cooling on deaths in the NICU among Neonates with hypoxic ischemic encephalopathy: A randomized clinical trial. *Obstetrical and Gynecological Survey* 2014; 70 (4): 235-238.

Shankaran S. Current status of hypothermia for hypoxemic ischemia of the newborn. *Indian Journal of Pediatrics* 2014; 81 (6): 578-584.

Shanley A. What to watch out for in clinical trials manufacturing. *Pharmaceutical Technology* 2017, 3 (Supplement) s16-s23

Shao Z, Wang Z, Gu J, He X, Lou W, Chen L, Chen G, Song J, Wang G. Retrograde subintimal angioplasty for treatment of occlusive diseases in the long segment of the infrapopliteal artery *Nan fang yi ke da xue xue bao = Journal of Southern Medical University* 2014; 34 (11): 1672-1675.

Sharif MR, Rezaei MH, Aalinezhad M, Sarami G, Rangraz M. Rectal diclofenac versus rectal paracetamol: Comparison of antipyretic effectiveness in children. *Iranian Red Crescent Medical Journal* 2016; 18 (1), art no e27932

Sharma A, Conry P, Fernando HJS, Hamlet AF, Hellmann JJ, Chen F. Green and cool roofs to mitigate urban heat island effects in the Chicago metropolitan area: Evaluation with a regional climate model.

Sharma DK, Andersen SB, Ottosen CO, Rosenqvist E. Wheat cultivars selected for high F-v/F-m under heat stress maintain high photosynthesis total chlorophyll stomatal conductance transpiration and dry matter. *Physiologia Plantarum* 2015; 153(2): 284-298

- Sharma KK, Mukherjee I, Singh B, Sahoo SK, Parihar NS, Sharma BN, Kale VD, Nakat RV, Walunj AR, Mohapatra S, Ahuja AK, Sharma D, Singh G, Noniwal R, Devi S. Residual behavior and risk assessment of flubendiamide on tomato at different agro-climatic conditions in India. *Environmental Monitoring and Assessment* 2014; 186 (11): 7673-7682.
- Shaydakov ME, Diaz JA. Effectiveness of infrared thermography in the diagnosis of deep vein thrombosis: An evidence-based review. *Journal of Vascular Diagnostics and Interventions* 2017, 5: 7-14.
- She K, Zhang X, Yin J, Guo H, Cheng G, Wang W. Diagnosis and treatment of acute peroneal artery ischemia syndrome. *Zhongguo xiu fu chong jian wai ke za zhi = Zhongguo xiufu chongjian waikewaxue = Chinese journal of reparative and reconstructive surgery* 2014; 28 (10): 1273-1277.
- Sheena Y, Hardwicke J, Jennison T, Tittle OG. Reply: Detection of perforators using thermal imaging. *Plastic and Reconstructive Surgery* 2014; 134 (5): 851e-852e.
- Sheffer J. It's not the same old wireless anymore. *Biomedical Instrumentation and Technology* 2016; 50 (2), p 82
- Shehata IA. High intensity focused ultrasound: Imaging is the key! *Diagnostic and Interventional Imaging* 2014; 95 (6) 569-572.
- Sheiko EA, Kuznetsov SA, Shashkina LY, Triandafilidi EI. Pathogenetic peculiarities of sclerosing of blood vessels in hemangioma in minor aged children upon exposure by electromagnetic optical spectrum radiation. *Cardiometry* 2017, :11: 93-101.
- Shellock FG, Audet-Griffin AJ. Evaluation of magnetic resonance imaging issues for a wirelessly powered lead used for epidural spinal cord stimulation. *Neuromodulation* 2014; 17 (4): 334-339.
- Shelton J, George B, Deutsch C, Bailey A. A Rhythm Revealed: Transient Brugada Pattern. *American Journal of Medicine* 2017, 130 (5): 542-544.
- Shen B. Nano-assembly small molecule probe - New horizon for molecular imaging. *Nano Biomedicine and Engineering* 2017, 9(4) 355-363.
- Shenefelt PD. Use of hypnosis meditation and biofeedback in dermatology. *Clinics in Dermatology* 2017, 35 (3): 285-291.
- Shepard SM, Beemer MF. Advances in Thermographic Signal Reconstruction. In Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20- 23 2015, Baltimore MD, 2015; pp. 94850R-94850R-7.*
- Shepshelovich D, Shpilberg O, Lahav M, Itchaki G, Yakimov M, Raanani P, Cohen A. Hodgkin lymphoma and hypothermia: Case report and review of the literature. *Acta Haematologica* 2014; 131 (4) 227-230.
- Sherman AL, Wang M.Y. Hypothermia as a clinical neuroprotectant. *Physical Medicine and Rehabilitation Clinics of North America* 2014; 25 (3): 519-529.
- Shi C, Xie G, Zhang X, Su S, Zhang Y, Zhu Y, Zou C, Liu X. High spatiotemporal resolution magnetic resonance thermometry based on partially separable theory. *Journal of Medical Imaging and Health Informatics* 2017, 7 (1): 186-193.
- Shi Y, Mao Y. Magnetic Resonance Thermometry-Guided Laser Interstitial Thermal Therapy in Neurosurgery a Promising Tool for Dural-Based Lesions? *World Neurosurgery Article in Press*
- Shi Y, Mao Y. Magnetic Resonance Thermometry-Guided Laser Interstitial Thermal Therapy in Neurosurgery a Promising Tool for Dural-Based Lesions? *World Neurosurgery* 2017, 98: 836-838.
- Shibata T, Fujii R, Miyake H, Tanaka R, Mori T, Takahashi M, Takagi T, Yoshikawa H, Kuroda K, Ueda M. Development of an analysis method for 4-Deoxy-L-erythro-5-hexoseulose uronic acid by LC/ESI/MS with selected ion monitoring. *Natural Product Communications* 2017, 12 (6): 941-944.
- Shikino K, Miyahara M, Ikusaka M. Idiopathic segmental anhidrosis. *QJM* 2017, 110 (9), p. 601.
- Shimada N, Igarashi T, Murai K, Hara T, Kuramochi T, Takeuchi M Adhesions in the epidural space caused by frequent epidural blocks. *JA Clinical Reports* 2017, 3(1) Article Number: 57.
- Shimizu M, Dickhoff WW Circulating insulin-like growth factor binding proteins in fish: Their identities and physiological regulation. *General and Comparative Endocrinology* 2017, 252: 150-161.
- Shimo K, Takakura K, Shigemori K. Organs Blood Flow during Elevation of Body Temperature in Sevoflurane Anesthetized Rats. *Anesthesiology Research and Practice* 2017, art. no. 6182350.
- Shimono T, Sakai K, Takeda A, Shimada H, Tsukamoto T, Maeda H, Sakamoto S, Miki Y. Diffusion-weighted imaging thermometry in multiple sclerosis. *Journal of Magnetic Resonance Imaging* 2014; 40 (3): 649-654.
- Shimose R, Ushigome N, Tadano C, Sugawara H, Yona M, Matsunaga A, Muro M. Increase in rate of force development with skin cooling during isometric knee extension. *Journal of Electromyography and Kinesiology* 2014; 24 (6): 895-901.
- Shin YO, Lee JB. Comparison of peripheral sudomotor sensitivity to acetylcholine in endurance and non-endurance trained male subjects. *Muscle and Nerve* 2014; 50 (3): 407-412.
- Shing CM, Peake JM, Lim CL, Briskey D, Walsh NP, Fortes MB, Ahuja KDK, Vitetta L. Effects of probiotics

supplementation on gastrointestinal permeability inflammation and exercise performance in the heat.

Shirafuji A, Shinagawa A, Kurokawa T, Yoshida Y. Locally-advanced unresected uterine leiomyosarcoma with triple-modality treatment combining radiotherapy chemotherapy and hyperthermia: A case report.

Shiratori B, Usami O, Hattori T, Ashino Y. A man from South Asia presenting with abdominal pain *BMJ Case Reports* 2014, bcr2013201716.

Shirzad N, Van Der Loos HFM. Physiological responses to error amplification in a robotic reaching adaptation task. 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBC 2014, art. no. 6944084: 2318-2321.

Shiue I, Perkins DR, Bearman N. Valve disease and hypotension hospital admissions peaked at physiologically equivalent temperature 0-5 °C in Germany in 2009-2011. *International Journal of Cardiology* 2014; 177 (1): 169-170.

Shockley M, Arnolds K, Beran B, Rivas K, Escobar P, Tzakis A, Falcone T, Sprague ML, Zimberg S. Uterine viability in the baboon after ligation of uterine vasculature: a pilot study to assess alternative perfusion and venous return for uterine transplantation. *Fertility and Sterility* 2017, 107 (4): 1078-1082.

Shokry IM, Callanan JJ, Sousa J, Tao R. New insights on different response of MDMA-elicited serotonin syndrome to systemic and intracranial administrations in the rat brain. *PLoS ONE* 2016; 11 (5), art no e0155551

Showkath Ali S, Priyanka S, Aswani B, Bindu Priyanka B, Madhavilatha M, Yanadaiah P A case study on herbal therapy induced erythema multiforme. *Journal of Global Trends in Pharmaceutical Sciences* 2017, 8(4) 4361-4365.

Shrivastava D, Utecht L, Tian J, Hughes J, Thomas Vaughan J. In vivo radiofrequency heating in swine in a 3T (123.2-MHz) birdcage whole body coil. *Magnetic Resonance in Medicine* 2014; 72 (4): 1141-1150.

Shrotriya SN, Vidhate BV, Shukla MS. Formulation and development of Silybin loaded solid lipid nanoparticle enriched gel for irritant contact dermatitis. *Journal of Drug Delivery Science and Technology* 2017, 41: 164-173.

Shu Z, Hughes SM, Fang C, Hou Z, Zhao G, Fialkow M, Lentz G, Hladik F, Gao D. Determination of the Membrane Permeability to Water of Human Vaginal Mucosal Immune Cells at Subzero Temperatures Using Differential Scanning Calorimetry. *Biopreservation and Biobanking* 2016; 14 (4) 307-313

Siah CIR, Childs C. Thermographic mapping of the abdomen in healthy subjects and patients after enterostoma. *Journal of Wound Care* 2015; 24(3): 112-220

Siak J, Mahendradas P, Chee S. Multimodal Imaging in Anterior Uveitis. *Ocular Immunology and Inflammation* 2017, 25 (3): 434-446.

Siakavellas NI, Tsopelas N. Detection of the Interface between two metals by eddy current thermography. *Nondestructive Testing and Evaluation* 2015; 30(3): 252-276

Sicherer SH, Allen K, Lack G, Taylor SL, Donovan SM, Oria M. Critical issues in food allergy: A national academies consensus report. *Pediatrics* 2017, 140 (2), art. no. e20170194.

Siddiqui FS, Shah S, Nicayenzi B, Schemitsch EH, Zdero R, Bougherara H. Biomechanical analysis using infrared thermography of a traditional metal plate versus a carbon fibre/epoxy plate for Vancouver B1 femur fractures. *Proceedings of the Institution of Mechanical Engineers Part H: Journal of Engineering in Medicine* 2014; 228 (1): 107-113.

Siddiqui JA, Arora V, Mulaveesala R, Muniyappa A. Infrared Thermal Wave Imaging for Nondestructive Testing of Fibre Reinforced Polymers. *Experimental Mechanics* 2015; 55(7): 1239-1245

Siddiqui JA, Arora V, Mulaveesala R, Muniyappa A. Modelling of the frequency modulated thermal wave imaging process through the finite element method for non-destructive testing of a mild steel sample.

Siebke G, Holik P, Schmitz S, Schmitz H, Lacher M, Steltenkamp S. A model for μ -biomimetic thermal infrared sensors based on the infrared receptors of *Melanophila acuminata*. *Bioinspiration and Biomimetics* 2014; 9 (3) Art. No. 036012.

Siegel J, Pizzi MA, Brent Peel J, Alejos D, Mbabuike N, Brown BL, Hodge D, David Freeman W. Update on Neurocritical Care of Stroke. *Current Cardiology Reports* 2017, 19 (8), art. no. 67.

Sieglin B, Faitsch M, Herrmann A, Brucker B, Eich T, Kammerloher L, Martinov S. Real time capable Infrared thermography for ASDEX Upgrade. *Review of Scientific Instruments* 2015; 86(11) 113502

Siesto G, Romano F, Fiamengo B, Vitobello D. Sentinel Node Mapping Using Indocyanine Green and Near-infrared Fluorescence Imaging Technology for Uterine Malignancies: Preliminary Experience With the Da Vinci Xi System. *Journal of Minimally Invasive Gynecology* 2016; 23 (4) 470-471

Siewert C, Dänicke S, Kersten S, Brosig B, Rohweder D, Beyerbach M, Seifert H. Difference method for analysing infrared images in pigs with elevated body temperatures. *Zeitschrift für Medizinische Physik* 2014; 24 (1): 6-15.

Sikka RS, Prielipp R.C. Forced air warming devices in orthopaedics: A focused review of the literature. *Journal of Bone and Joint Surgery - American Volume* 2014; 96 (24) 2014; e200(1-7)

Sillero-Quintana M, Arnáiz-Lastras J, Fernández-Cuevas I, Gómez-Carmona P. Proposals to standardize results in human thermography (extended abstract). *Thermology international* 2015, 25(3) 110-111.

- Sillero-Quintana M, Arnaiz-Lastras J, Gomez-Carmona PM, Fernandez- Cuevas I. Proportion analysis as proposal to analyze thermal results in human thermography (abstract). *Thermology international* 2015, 25(2) 68.
- Sillero-Quintana M, Fernandez Jaen T, Fernandez-Cuevas I, Gomez-Carmona PM, Arnaiz J, PerezMD, Guillen P. Infrared Thermography as a support tool for screening and early diagnosis of sport injuries (abstract). *Thermology international* 2014; 24(2) 66
- Sillero-Quintana M, Fernandez-Jaen T, Fernandez-Cuevas I, Gomez-Carmona PM, Arnaiz-Lastras J, Perez MD, Guillen P. Infrared Thermography as a Support Tool for Screening and Early Diagnosis in Emergencies. *Journal of Medical Imaging and Health Informatics* 2015; 5(6): 1223-1228
- Sillero-Quintana M, Lopez Diaz de Durana A, Moreira DG, Fereira JJ, Brito CJ. Skin temperature response on junior athletes after high intense judo training (extended abstract). *Thermology international* 2016, 26 (Supplement) S10
- Silva D, Sharma M, Juthani R, Meola A, Barnett GH. Magnetic Resonance Thermometry and Laser Interstitial Thermal Therapy for Brain Tumors. *Neurosurgery Clinics of North America* 2017, 28 (4): 525-533.
- Silva LF, Saade DCM, Sequeiros GO, Silva AC, Paiva AC, Bravo RS, Conci A. A new database for breast research with infrared image. *Journal of Medical Imaging and Health Informatics* 2014; 4 (1) 92-100.
- Silva LF, Santos AASMD, Bravo RS, Silva AC, Muchaluat-Saade DC, Conci A. Hybrid analysis for indicating patients with breast cancer using temperature time series. *Computer Methods and Programs in Biomedicine* 2016; 130 142-153
- Silva Lima RP, Brioschi ML, Jacobsen Teixeira M. Thermoguided trigeminal neuralgia surgery (extended abstract). *Thermology international* 2014; 24(1) 21
- Silva YA, Santos BH, Andrade PR, Santos HH, Moreira DG, Sillero-Quintana M, Ferreira JJA. Skin temperature changes after exercise and cold water immersion. *Sport Sciences for Health* 2017, 13(1) 195-202
- Silver JR. Thermoregulatory responses in wheelchair tennis players: A pilot study. *Spinal Cord* 2014; 52 (12) 923.
- Sim MA, Leow SY, Hao Y, Yeo CL. A practical comparison of temporal artery thermometry and axillary thermometry in neonates under different environments. *Journal of Paediatrics and Child Health* 2016; 52 (4) 391-396
- Sim SY, Joo KM, Kim HB, Jang S, Kim B, Hong S, Kim S, Park KS. Estimation of Circadian Body Temperature Rhythm Based on Heart Rate in Healthy, Ambulatory Subjects. *IEEE Journal of Biomedical and Health Informatics* 2017, 21(2) 407-415.
- Simeone A, Woolley EB, Rahimifard S. Tool State Assessment for Reduction of Life Cycle Environmental Impacts of Aluminium Machining Processes via Infrared Temperature Monitoring. *Procedia CIRP* 2015; 29: 526-531
- Simionescu SM, Duzel U, Esposito C, Ilich Z, Balan C. Heat Transfer Coefficient Measurements using Infrared Thermography, Technique. In: 9th International Symposium on Advanced Topics in Electrical Engineering, (ATEE), MAY 07-09, 2015, Univ Politehnica Bucharest Fac Elect Engn Bucharest Romania. 2015:591-596
- Simoës N, Simoës I, Serra C, Tadeu A. Thermographic inspection of external thermal insulation systems with mechanical fixing. In Hsieh SI, Zalameda JN, eds *Proceedings of SPIE Conference on Thermosense - Thermal Infrared Applications XXXVII*, APR 20-23, 2015, Baltimore MD, 2015; pp. 94851A-94851A-10.
- Simões VG, Lyazrhi F, Picard-Hagen N, Gayraud V, Martineau G.-P, Waret-Szkuta A. Variations in the vulvar temperature of sows during proestrus and estrus as determined by infrared thermography and its relation to ovulation. *Theriogenology* 2014; 82 (8): 1080-1085.
- Simonis F, Raaijmakers A, Lagendijk J, van den Berg C. Validating subject-specific RF and thermal simulations in the calf muscle using MR-based temperature measurements. *Magnetic Resonance in Medicine Article in Press*
- Simonis FFJ, Petersen ET, Lagendijk JJW, Van Den Berg CAT. Feasibility of measuring thermoregulation during RF heating of the human calf muscle using MR based methods. *Magnetic Resonance in Medicine* 2016; 75 (4) 1743-1751
- Simonis FFJ, Raaijmakers AJE, Lagendijk JJW, van den Berg CAT. Validating subject-specific RF and thermal simulations in the calf muscle using MR-based temperature measurements. *Magnetic Resonance in Medicine* 2017, 77 (4): 1691-1700.
- simulated free living in patients with osteoarthritis of the hip. *BMC Musculoskeletal Disorders* 2014; 15 (1) Art. No. 43.
- Sindel A, Dereci Ö, Hatipoğlu M, Altay M-A, Özalp Ö, Öztürk A. The effects of irrigation volume to the heat generation during implant surgery. *Medicina Oral Patologia Oral y Cirugia Bucal* 2017, 22 (4), art. no. 21880: e506-e511.
- Singapore Medical Journal* 2014; 55 (10): 526-528.
- Singer AJ, Relan P, Beto L, Jones-Koliski L, Sandoval S, Clark RAF. Infrared thermal imaging has the potential to reduce unnecessary surgery and delays to necessary surgery in burn patients. *Journal of Burn Care and Research* 2016; 37 (6) 350-355

Singh B, Bhattacharya S, Chowdhary CL, Jat DS. A review on internet of things and its applications in healthcare. *Journal of Chemical and Pharmaceutical Sciences* 2017; 10(1) 447-452.

Singh M, Harris-Birtill DCC, Zhou Y, Gallina ME, Cass AEG, Hanna GB, Elson DS. Application of gold nanorods for photothermal therapy in ex vivo human oesophagogastric adenocarcinoma. *Journal of Biomedical Nanotechnology* 2016; 12 (3) 481-490

Singh S, Repaka R. Temperature-controlled radiofrequency ablation of different tissues using two-compartment models. *International Journal of Hyperthermia* 2017, 33 (2): 122-134.

Siniorakis EE, Arvanitakis SG, Balanis AG, Limberi SJ. Fever as a first manifestation of acute aortic dissection. *Netherlands Heart Journal* 2017, 25(9) 530.

Sivaranjani V, Philominathan P. Synthesize of Titanium dioxide nanoparticles using *Moringa oleifera* leaves and evaluation of wound healing activity. *Wound Medicine* 2016; 12 1-5

Sivasubramanian K, Jaya KP, Ramanianeyulu K. Improved thermography technique for identifying structural elements under ambient conditions. *Current Science* 2015; 108(10): 1882-1889

Skala K, Lipic T, Sovic I, Grubisic I. Dynamic Thermal Models for Human Body Dissipation. *Periodicum Biologorum* 2015; 117(1): 167-176

Skaptsov AA, Novikova AS, Galushka VV, Markin AV, Kochubey VI, Goryacheva IY. Red and blue shifts of spectral luminescence band of CuInS₂ nanothermometers. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9917, art no 991711

Skarecky D, Yu H, Linehan J, Morales B, Su M-Y, Fwu P, Ahlering T. Hypothermic Cooling Measured by Thermal Magnetic Resonance Imaging; Feasibility and Implications for Virtual Imaging in the Urogenital Pelvis. 2017, *Urology* 108: 220-224.

Skorupska E, Rychlik M, Pawelec W, Bednarek A, Samborski W. Trigger point-related sympathetic nerve activity in chronic sciatic leg pain: A case study. *Acupuncture in Medicine* 2014; 32 (5): 418-422.

Skorupska E, Rychlik M, Samborski W. Validation and Test-Retest Reliability of New Thermographic Technique Called Thermovision Technique of Dry Needling for Gluteus Minimus Trigger Points in Sciatica Subjects and TrPs-Negative Healthy Volunteers. *Biomed Research International* 2015; 546497

Slusher TM, Vreman HJ, Olusanya BO, Wong RJ, Brearley AM, Vaucher YE, Stevenson DK. Safety and efficacy of filtered sunlight in treatment of jaundice in African neonates. *Pediatrics* 2014; 133 (6): e1568- e1574.

Slutzkey S, Cohen O, Lauritano D, Moses O, Ormianer Z, Tal H, Kolerman R, Carinci F, Matalon S. Temperature changes of one-piece implants during the setting of acrylic resin temporary crown. The effect of implant diameter. An in vitro study. *Journal of Biological Regulators and Homeostatic Agents* 2017, 31 (2, Supplement 1): 53-60.

Smale A, Tsouras T. Evaluation of the Carefusion Alaris PC infusion pump for hyperbaric oxygen therapy conditions: Technical report. *Undersea and Hyperbaric Medicine* 44 (1): 17-25.

Smarr BL, Zucker I, Kriegsfeld LJ. Detection of successful and unsuccessful pregnancies in mice within hours of pairing through frequency analysis of high temporal resolution core body temperature data. *PLoS ONE* 2016; 11 (7), art no e0160127

Smith CB, Allen MD, Rice CL. Voluntary rate of torque development is impaired after a voluntary versus tetanic conditioning contraction. *Muscle and Nerve* 2014; 49 (2): 218-224.

Smith DE, Metzger S, Taylor JR. A transparent and transferable framework for tracking quality information in large datasets. *PLoS ONE* 2014; 9 (11), art. no. e112249.

Smith DL, Horn GP, Petruzzello SJ, Freund GG, Woods JA, Cook MD, Goldstein E, Fernhall B. Effect of obesity on acute hemostatic responses to live-fire training drills. *American Journal of Cardiology* 2014; 114 (11): 1768-1771.

Smoljanić J, Morris NB, Dervis S, Jay O. Running economy not aerobic fitness independently alters thermoregulatory responses during treadmill running. *Journal of Applied Physiology* 2014; 117 (12): 1451-1459.

Sniegowski M, Erlanger M, Velez-Montoya R, Olson JL. Difference in ocular surface temperature by Infrared thermography in phakic and pseudophakic patients. *Clinical Ophthalmology* 2015; 9

Soares ADN, Costa KA, Wanner SP, Santos RGC, Fernandes SOA, Martins FS, Nicoli JR, Coimbra CC, Cardoso VN. Dietary glutamine prevents the loss of intestinal barrier function and attenuates the increase in core body temperature induced by acute heat exposure. *British Journal of Nutrition* 2014; 112 (10) 1601- 1610.

Sodi A, Matteoli S, Giacomelli G, Finocchio L, Corvi A, Menchini U. Ocular surface temperature in age- related macular degeneration. *Journal of Ophthalmology* 2014; 2014, art. no. 281010.

Soerensen DD, Pedersen LI. Infrared skin temperature measurements for monitoring health in pigs: a review. *Acta Veterinaria Scandinavica*, 57: 5.

Sohail S, Shama Q-A. Comparison of axillary with rectal and oral temperature in children. *Rawal Medical Journal* 2016; 41 (1) 57-60

Sohara H, Satake S, Takeda H, Yamaguchi Y, Nagasu N. Prevalence of esophageal ulceration after atrial fibrillation ablation with the hot balloon ablation catheter: What is the value of esophageal cooling? *Journal of Cardiovascular Electrophysiology* 2014; 25 (7): 686-692.

Soiher MG, Soiher MI, Urakov AL, Reshetnikov AP, Kopylov MV, Fischer EL. Local facial temperature can be used to identify the salivary glands, mimic and masticatory muscles (extended abstract). *Thermology international* 2014; 24(2) 60-62

Soler D, Childs THC, Arrazola PJ. A Note on Interpreting Tool Temperature Measurements from Thermography. *Machining Science and Technology* 2015; 19(1): 174-181

Solianik R, Skurvydas A, Mickevičiene D, Brazaitis M. Intermittent whole-body cold immersion induces similar thermal stress but different motor and cognitive responses between males and females.

Solianik R, Skurvydas A, Vitkauskienė A, Brazaitis M. Gender-specific cold responses induce a similar body-cooling rate but different neuroendocrine and immune responses. *Cryobiology* 2014; 69 (1): 26-33.

Sollai S, Dani C, Berti E, Fancelli C, Galli L, De Martino M, Chiappini E. Performance of a non-contact infrared thermometer in healthy newborns. *BMJ Open* 2016; 6 (3), art no e008695

Solodov I, Rahammer M, Derusova D, Busse G. Highly-efficient and noncontact vibro-thermography via local defect resonance. *Quantitative Infrared Thermography Journal* 2015; 12(1): 98-111

Solonin IG, Markov AL, Bojko ER, Potolitsyna NN, Parshukova OI. Functional indices in participants of the satellite study of the Mars-500 project in the Russian north during different seasons *Human Physiology* 2014; 40 (6): 634-641.

Solonin IG, Markov AL, Bojko ER, Potolitsyna NN, Parshukova OI. [Functional indices of the participants of the satellite experiments of the "Mars-500" project in the north of Russia in different seasons of a year]. *Fiziologija cheloveka* 2014; 40 (6): 58-66.

Solovchuk MA, Hwang SC, Chang H, Thiriet M, Sheu TWH. Temperature elevation by HIFU in ex vivo porcine muscle: MRI measurement and simulation study. *Medical Physics* 2014; 41 (5) Art. No. 052903.

Son C-H, Zhang X-P. Layer-Based Approach for Image Pair Fusion. *IEEE Transactions on Image Processing* 2016; 25 (6), art no 7457236 2866-2881

Son C-H, Zhang X-P. Near-infrared coloring via a contrast-preserving mapping model. *IEEE Transactions on Image Processing* 2017, 26 (11), art. no. 7971985: 5381-5394.

Son JM, Lee JH, Kim J, Cho YH. Temperature Distribution Measurement of Au Micro-Heater in Microfluidic Channel using IR Microscope. *International Journal of Precision Engineering and Manufacturing*, 2015; 16(2): 367-372

Son YY, Han XY. FEA Study of Non-linear Effect of Coupling Media to Sonic Infrared Imaging. In: Chimenti DE, Bond LI, eds, 41st Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE) JUL 20-25, 2014, Boise ID, 2015; 1650: 1774-1781

Sone D, Ikegaya N, Takahashi A, Sumida K, Ota M, Saito T, Kimura Y, Matsuda H, Sato N. Noninvasive detection of focal brain hyperthermia related to continuous epileptic activities using proton MR spectroscopy. *Epilepsy Research* 2017, 138: 1-4.

Sone D, Ota M, Yokoyama K, Sumida K, Kimura Y, Imabayashi E, Matsuda H, Sato N. Noninvasive evaluation of the correlation between regional cerebral blood flow and intraventricular brain temperature in temporal lobe epilepsy. *Magnetic Resonance Imaging* 2016; 34 (4) 451-454

Song H, Liu Y, Li Q, Gao N, Ma Y, Zhang Y. Tree-ring based May-July temperature reconstruction since AD 1630 on the western Loess Plateau China. *PLoS ONE* 2014; 9 (4), art. no. e93504,

Song HM, Lim HJ, Lee S, Sohn H, Yun W, Song E. Automated detection and quantification of hidden voids in triplex bonding layers using active lock-in thermography. *NDT & E International* 2015; 74: 94-105

Song T, Cao Y, Xu H, Zhang W, Fei B, Qiao D, Cao Y. Purification and characterization of a novel β -agarase of *Paenibacillus* sp SSG-1 isolated from soil. *Journal of Bioscience and Bioengineering* 2014; 118 (2) 125-129.

Song T, Cao Y, Xu H, Zhang W, Fei B, Qiao D, Cao Y. Purification and characterization of a novel β -agarase of *Paenibacillus* sp. SSG-1 isolated from soil. *Journal of Bioscience and Bioengineering* 2014; 118 (2): 125-129.

Song YY, Sun H, Li MZ, Zhang Q. Technology Application of Smart Spray in Agriculture: A Review. *Intelligent Automation and Soft Computing* 2015; 21(3): 319-333

Song Z, Qi H, Zhang H, Xie L, Cao F, Fan W, Wan C. Microwave ablation: Results with three different diameters of antennas in ex vivo bovine and in vivo porcine liver. *Journal of Cancer Research and Therapeutics* 2017, 13 (5): 737-741.

Soni S, Tyagi H, Taylor RA, Kumar A. Investigation on nanoparticle distribution for thermal ablation of a tumour subjected to nanoparticle assisted thermal therapy. *Journal of Thermal Biology* 2014; 43 (1) 70-80.

Son'kin VD, Akimov EB, Andreev RS, Yakushkin AV, Kozlov AV. Brown adipose tissue participate in lactate utilization during muscular work. In: *icSPORTS 2014 - Proceedings of the 2nd International Congress on Sports Sciences Research and Technology Support*: 97-102.

Son'kin VD, Yakushkin AV, Akimov EB, Andreev RS, Kalenov IN, Kozlov AV. [The physiological analysis of cross adaptation to regular cold exposure and physical activities]. *Fiziologija cheloveka* 2014; 40 (6): 98- 113.

Sonnex E, Almond MJ, Bond JW. Enhancement of Latent Fingerprints on Fabric Using the Cyanoacrylate Fuming

Method Followed by Infrared Spectral Mapping. *Journal of Forensic Sciences* 2016; 61 (4) 1100- 1106

Sonnex E, Almond MJ, Bond JW. Enhancement of Latent Fingerprints on Fabric Using the Cyanoacrylate Fuming Method Followed by Infrared Spectral Mapping. *Journal of Forensic Sciences Article in Press*

Soo CC, Mukomana F, Hazelhurst S, Ramsay M. Establishing an academic biobank in a resource-challenged environment. *South African Medical Journal* 2017, 107 (6): 486-492.

Soroko M, Howell K, Zwyrzykowska A, Dudek K, Zielinska P, Kupczynski R. Maximum eye temperature in the assessment of stress in racehorses, comparing the results with salivary cortisol concentration, rectal temperature and heart rate (abstract). *Thermology international* 2016, 26(2) 65

Soroko M, Howell K. Thermography in equine medicine (extended abstract). *Thermology international* 2015, 25(3) 107.

Soroko M, Jodkowska E, Dudek K. Thermography diagnosis in monitoring the annual training cycle of racehorses. *Medycyna Weterynaryjna-Veterinary Medicine-Science and Practice* 2015; 71(1): 52-58

Sousa NTA, Guirro ECO, Calió JG, Queluz MC, Guirro RRJ. Application of shortwave diathermy to lower limb increases arterial blood flow velocity and skin temperature in women: a randomized controlled trial. *Brazilian Journal of Physical Therapy* 2017, 21(2) 127-137.

Sousa P, Felizardo V, Oliveira D, Couto R, Garcia NM. A review of thermal methods and technologies for diabetic foot assessment. *Expert Review of Medical Devices* 2015; 12(4): 439-448

Sowa GA, Perera S, Bechara B, Agarwal V, Boardman J, Huang W, Camacho-Soto A, Vo N, Kang J, Sowa K, Watanabe T, Kan H, Yamano H. Influence of land development on holocene porites coral calcification at Nagura bay Ishigaki Island, Japan. *PLoS ONE* 2014; 9 (2), art. no. e88790.

Sparacia G, Sakai K, Yamada K, Giordano G, Coppola R, Midiri M, Grimaldi LM. Assessment of brain core temperature using MR DWI-thermometry in Alzheimer disease patients compared to healthy subjects. *Japanese Journal of Radiology* 2017, 35 (4): 168-171.

Spiliopoulos S, Theodosiadou V, Barampoutis N, Katsanos K, Davlouros P, Reppas L, Kitrou P, Palialexis K, Konstantos C, Siores E, Alexopoulos D, Karnabatidis D, Brountzos E. Multi-center feasibility study of microwave radiometry thermometry for non-invasive differential diagnosis of arterial disease in diabetic patients with suspected critical limb ischemia. *Journal of Diabetes and its Complications* 2017, 31 (7): 1109-1114.

Spinosa E, Zhong S. Application of Liquid Crystal Thermography for the investigation of the near-wall coherent structures in a turbulent boundary layer. *Sensors and Actuators A-Physical* 2015; 233: 207-216

Spitz MG, Kenefick RW, Mitchell JB. The effects of elapsed time after warm-up on subsequent exercise performance in a cold environment. *Journal of Strength and Conditioning Research* 2014; 28 (5): 1351- 1357.

Spratt NJ, Tomkins AJ, Pepperall D, McLeod DD, Calford MB. Allopregnanolone and its precursor progesterone do not reduce injury after experimental stroke in hypertensive rats - Role of postoperative temperature regulation? *PLoS ONE* 2014; 9 (9), art. no. e107752.

Sran BJK, McDonald GK, Steinman AM, Gardiner PF, Giesbrecht GG. Comparison of heat donation through the head or torso on mild hypothermia rewarming. *Wilderness and Environmental Medicine* 2014; 25 (1): 4-13.

Srinivasan P, Ramasamy P. Morphological characterization and biocontrol effects of *Vibrio vulnificus* phages against vibriosis in the shrimp aquaculture environment. *Microbial Pathogenesis* 2017, 111: 472-480.

Stacey M, Woods D, Ross D, Wilson D. Heat illness in military populations: Asking the right questions for research. *Journal of the Royal Army Medical Corps* 2014; 160 (2): 121-124.

Stachenfeld NS. The interrelationship of research in the laboratory and the field to assess hydration status and determine mechanisms involved in water regulation during physical activity. *Sports Medicine* 2014; 44 (SUPPL.1): S97-S104.

Stadnik AMW. The effect of body fat percentage and body fat distribution on skin surface temperature with infrared thermography. *Journal of Thermal Biology* 2017, 66: 1-9.

Staffa E, Bernard V, Kubicek L, Vlachovsky R, Vlk D, Mornstein V, Bourek A, Staffa R. Infrared thermography as option for evaluating the treatment effect of percutaneous transluminal angioplasty by patients with peripheral arterial disease. *Vascular* 2017, 25 (1): 42-49.

Staffa E, Bernard V, Kubíček L, Zizlavský V, Vlachovský R, Vlk D, Mornstein V, Staffa R. Thermal imaging to assess changes of foot skin temperature in patients treated with percutaneous transluminal angioplasty (extended abstract). *Thermology international* 2015, 25(3) 140-141

Staffa E, Bernard V, Kubíček L, Vlachovský R, Vlk D, Mornstein V, Staffa R. Using Noncontact infrared Thermography for long-term monitoring of foot temperatures in a patient with diabetes mellitus. *Ostomy Wound Management* 2016; 62 (4) 54-61

Stahl V, Maier F, Freitag MT, Floca RO, Berger MC, Umthum R, Berriel Diaz M, Herzig S, Weber M-A, Dimitrakopoulou-Strauss A, Rink K, Bachert P, Ladd ME, Nagel AM. In vivo assessment of cold stimulation effects on the fat fraction of brown adipose tissue using DIXON MRI. *Journal of Magnetic Resonance Imaging* 2017, 45 (2): 369-380.

- Staikou C, Rekatsina M. Use of rocuronium and sugammadex under neuromuscular transmission monitoring in a patient with multiple sclerosis. *Saudi Journal of Anaesthesia* 2017, 11 (4): 472-475.
- Staley ZR, Robinson C, Edge TA. Comparison of the occurrence and survival of fecal indicator bacteria in recreational sand between urban beach playground and sandbox settings in Toronto Ontario. *Science of the Total Environment* 2016; 541 520-527
- Stammet P, Dankiewicz J, Nielsen N, Fays F, Collignon O, Hassager C, Wanscher M, Undèn J, Wetterslev J, Pellis T, Aneman A, Hovdenes J, Wise MP, Gilson G, Erlinge D, Horn J, Cronberg T, Kuiper M, Kjaergaard J, Gasche Y, Devaux Y, Friberg H. Protein S100 as outcome predictor after out-of-hospital cardiac arrest and targeted temperature management at 33 °C and 36 °C. *Critical Care* 2017, 21 (1), art. no. 153.
- Stangeby PC, Tsuj CK, Lasnier CI, Boedo JA, Elder JD, Kocan M, Leonard AW, McLean AG, Pitts RA, Rudakov DL. Power deposition on the DIII-D inner wall limiter. *Journal of Nuclear Materials* 2015; 463: 389-392
- Staniewicz AE, Ferguson SB, Bruning RS, Alexander LM. Laser-speckle contrast imaging: A novel method for assessment of cutaneous blood flow in perniosis. *JAMA Dermatology* 2014; 150 (6): 658-660.
- Stanković, M, Tomar J, Hiemstra C, Steendam R, Frijlink HW, Hinrichs WLJ. Tailored protein release from biodegradable poly(ϵ -caprolactone-PEG)- b-poly(ϵ -caprolactone) multiblock- copolymer implants.
- Staples S, Noel S, Watkinson P, Murphy MF. Electronic recording of transfusion-related patient observations: a comparison of two bedside systems. *Vox Sanguinis* 2017, 112(8) 780-787.
- Stapleton JM, Fujii N, Carter M, Kenny GP. Diminished nitric oxide-dependent sweating in older males during intermittent exercise in the heat- *Experimental Physiology* 2014; 99 (6): 921-932.
- Stauffer PR, Snow BW, Rodrigues DB, Salahi S, Oliveira TR, Reudink D, Maccarini PF. Non- invasive measurement of brain temperature with microwave radiometry: Demonstration in a head phantom and clinical case. *Neuroradiology* 2014; *Journal* 27 (1) 3-12.
- Steffen C, Tokplonou E, Jaillard P, Dia R, Alladi MNB, Gessner B. A field based evaluation of adverse events following menafriVac® vaccine delivered in a controlled temperature chain (CTC) approach in benin *Pan African Medical Journal* 2014; 18.
- Steinitz D, Carius-Düssel C, Bergner BS, Papastefanou G, Schultz M. Improving stress management in emergency response personnel: Empirical study on the efficacy of an action guide [Verbesserung des Stressmanagements von Einsatzkräften: Empirische Studie zur Wirksamkeit eines Handlungsleitfadens]. *Notfall und Rettungsmedizin* 2014; 17 (5): 432-439.
- Steinkogler W, Sovilla B, Lehning M. Thermal energy in dry snow avalanches. *Cryosphere* 2015; 9(5): 1819-1830
- Sterzik V, Belenkaia L, Liehr AW, Bohnert M. Spectrometric evaluation of post-mortem optical skin changes. *International Journal of Legal Medicine* 2014; 128 (2): 361-367.
- Stewart CJ, Whyte DG, Cannon J, Wickham J, Marino FE. Exercise-induced dehydration does not alter time trial or neuromuscular performance. *International Journal of Sports Medicine* 2014; 35 (9): 725-730.
- Stewart IB, Stewart KL, Worringham CJ, Costello JT. Physiological tolerance times while wearing explosive ordnance disposal protective clothing in simulated environmental extremes. *PLoS ONE* 2014; 9 (2), art. no. e83740.
- Stiegler H, Wohlgemuth WA, Saleh A. Vascular malformations. Clinical aspects: Importance of duplex sonography [Vaskuläre Malformationen. Klinische Bilder: Stellenwert der Duplexsonographie].
- St-Louis E, Deckelbaum DL, Baird R, Razek T. Optimizing the assessment of pediatric injury severity in low-resource settings: Consensus generation through a modified Delphi analysis. *Injury* 2017, 48 (6): 1115-1119.
- Stock ML, Millman ST, Barth LA, Van Engen NK, Hsu WH, Wang C, Gehring R, Parsons RL, Coetzee JF. The effects of firocoxib on cautery disbudding pain and stress responses in preweaned dairy calves.
- Stockwell MS, Broder K, LaRussa P, Lewis P, Fernandez N, Sharma D, Barrett A, Sosa J, Vellozzi C. Risk of fever after pediatric trivalent inactivated influenza vaccine and 13-valent pneumococcal conjugate vaccine. *JAMA Pediatrics* 2014; 168 (3): 211-219.
- Stockwell MS, Marchant CD, Wodi AP, Barnett ED, Broder KR, Jakob K, Lewis P, Kattan M, Rezendes AM, Barrett A, Sharma D, Fernandez N, LaRussa P. A multi-site feasibility study to assess fever and wheezing in children after influenza vaccines using text messaging. *Vaccine* 2017, 35 (50): 6941-6948.
- Stone RP, Malecha PW, Masuda MM. A five-year in situ growth study on shallow-water populations of the gorgonian octocoral *Calcigorgia spiculifera* in the Gulf of Alaska. *PLoS ONE* 2017, 12 (1), art. no. e0169470.
- Strakas D, Tolidis K, Koliniotou-Koumpia E, Vanweersch L, Franzen R, Gutknecht N. Intra-pulpal temperature rise of different tooth types during dental bleaching supported by an ErCr:YSGG laser A pilot study. *Lasers in Medical Science* 2016; 31 (1) 77-82
- Strakowska M, De Mey G, Wiecek B, Strzelecki M. A three layer model for the thermal impedance of the human skin: modeling and experimental measurements. *Journal of Mechanics In Medicine and Biology* 2015; 15(4) 1550044
- Strakowska M, Kaszuba A, Wiecek B, Strzelecki M, De Mey G. System and software for thermal images screening

- in medicine - application to psoriasis. *Quantitative Infrared Thermography Journal* 2015; 12(2): 127-136
- Strakowska M, Wiecek B, Strzelecki M. Applications of thermal provocation for tissue modeling and screening (extended abstract). *Thermology international* 2015, 25(2) 73-74.
- Strang O, Ács N, Wirth R, Maróti G, Bagi Z, Rákhely G, Kovács KL. Bioaugmentation of the thermophilic anaerobic biodegradation of cellulose and corn stover. *Anaerobe* 2017, 46: 104-113.
- Strapazzon G, Procter E, Paal P, Brugger H. Pre-hospital core temperature measurement in accidental and therapeutic hypothermia. *High Altitude Medicine and Biology* 2014; 15 (2): 104- 111.
- Strauss C, Brix E, Anker A, Prantl L, Brébant V, Aung T. Perfusion control of a partial revascularized hand via application of Indocyanine green (ICG) and Near-infrared Fluorescence Imaging. *Clinical Hemorheology and Microcirculation* 2017, 67 (3-4): 215-219.
- Streicher MN, Schäfer A, Ivanov D, Müller DK, Amadon A, Reimer E, Huber L, Dhital B, Rivera D, Kögler C, Trampel R, Pampel A, Turner R. Fast accurate MR thermometry using phase referenced asymmetric spin-echo EPI at high field. *Magnetic Resonance in Medicine* 2014; 71 (2): 524-533.
- Streitparth F, Walter T, Wonneberger U, Schnackenburg B, Philipp CM, Colletini F, Teichgräber UKM, Gebauer B. MR guidance and thermometry of percutaneous laser disc decompression in open MRI: An ex vivo study. *CardioVascular and Interventional Radiology* 2014; 37 (3): 777-783.
- Streza M, Hodisan I, Prejmerean C, Boue C, Tessier G. Lock-in thermography penetrant inspection and scanning electron microscopy for quantitative evaluation of open micro-cracks at the tooth-restoration Interface. *Journal of Physics D-Applied Physics* 2015; 48(1) 105401
- Stringascia MD, Moriyama LT, Salvio AG, Bagnato VS, Kurachi C. Thermographic diagnostics to discriminate skin lesions -a clinical study. In: Kurachi C, Svanberg K, Tromberg BJ, Bagnato VS, eds, *Proceedings of SPIE Joint Meeting of the 1st SPIE Conference on Biophotonics South America (BSA) / 15th World Congress of the International-Photodynamic-Association (IPA) MAY 23-25 2015, Rio de Janeiro Brazil, 2015*; pp. 953135-953135-7.
- Strobl FF, Azam H, Schwarz JB, Paprottka PM, Geith T, Abdel-Rahman S, Zilles B, Lindner LH, Reiser MF, Trumm CG. CT fluoroscopy-guided closed-tip catheter placement before regional hyperthermia treatment of soft tissue sarcomas: 5-Year experience in 35 consecutive patients. *International Journal of Hyperthermia* 2016; 32 (2) 151-158
- Strumila A, Kazlauskas V, Pošiūnas G, Verkauskas G, Beiša V. Infantile hemangioma: Predicting proliferation by infrared thermography. *Medicina (Lithuania)* 2017, 53 (2): 85-89.
- Strzalkowski K, Dadarlat D, Streza M, Firszt F. On the optimization of experimental parameters in photopyroelectric investigation of thermal diffusivity of solids. *Thermochimica Acta* 2015; 614: 232-238
- Strzalkowski K, Dadarlat D, Streza M, Zakrzewski J. Thermal characterization of ZnBeMnSe mixed compounds by means of photopyroelectric and lock-in thermography methods. *Applied Physics A- Materials Science & Processing* 2015; 119(3): 1165-1171
- Strzalkowski K, Streza M, Dadarlat D, Marasek A. Thermal characterization of II-VI binary crystals by photopyroelectric calorimetry and Infrared lock-in thermography. *Journal of Thermal Analysis and Calorimetry* 2015; 119(1): 319-327
- Strzalkowski K, Streza M, Pawlak M. Lock-in thermography versus PPE calorimetry for accurate measurements of thermophysical properties of solid samples: A comparative study. *Measurement* 2015, 64: 64-70.
- Stude P, Enax-Krumova EK, Lenz M, Lissek S, Nicolas V, Peters S, Westermann A, Tegenthoff M, Maier
- Stulin ID, Solonskii DS, Sazonova AG, Trukhanov SA, Budadin ON, Ivanushkin EF. Possibilities of a method of active thermolocation probing of a projection of the carotid arteries in patients with atherosclerotic stenosis of the carotid arteries. *Journal of Optical Technology* 2015; 82(7): 455-458
- Stulin ID, Yanushevich OO, Trukhanov SA, Solonskiy DS, Budadin ON, Ivanushkin EF, Sazonova AG. Active thermolocation probing as a promising rapid diagnostic test of carotid atherosclerosis. *Zhurnal Nevrologii i Psihiatrii imeni SS Korsakova* 2016; 116 (10) 47-50
- Stulin ID. A new clinical sign - Asymmetrical pulsation of neck vessels with a predominance in the right supraclavicular area in healthy people at supine position. *Zhurnal Nevrologii i Psihiatrii imeni SS. Korsakova* 2014; 2014 (5): 39-41.
- Su AT, Maeda S, Fukumoto J, Miyai N, Isahak M, Yoshioka A, Nakajima R, Bulgiba A, Miyashita K. A cross sectional study on hand-arm vibration syndrome among a group of tree fellers in a tropical environment *Industrial Health* 2014; 52 (4): 367-376.
- Su L, Shj TL, Du L, Lu XN, Liao GL. Genetic algorithms for defect detection of flip chips. *Microelectronics Reliability* 2015; 55(1): 213-220
- Su T-Y, Ho W-T, Chiang S-C, Lu C-Y, Chiang HK, Chang S-W. Infrared thermography in the evaluation of meibomian gland dysfunction. *Journal of the Formosan Medical Association* 2017, 116 (7): 554-559.
- Su T-Y, Ho W-T, Chiang S-C, Lu C-Y, Chiang HK, Chang S-W. Infrared thermography in the evaluation of

meibomian gland dysfunction. *Journal of the Formosan Medical Association Article in Press*

Su TY, Ho WT, Lu CY, Chang SW, Chiang HK. Correlations among ocular surface temperature difference value the tear meniscus height Schirmer's test and fluorescein tear film break up time. *British Journal of Ophthalmology* 2015; 99(4): 482-487

Suárez L, Mesías S, Iglesias V, Silva C, Cáceres DD, Ruiz-Rudolph P. Personal exposure to particulate matter in commuters using different transport modes (bus bicycle car and subway) in an assigned route in downtown Santiago, Chile. *Environmental Sciences: Processes and Impacts* 2014; 16 (6): 1309-1317.

Suffredini G, Levy LM. MR-guided focused ultrasound: Applications to essential tremor and other neurologic conditions. *American Journal of Neuroradiology* 2014; 39 (5) 829-831.

Suganthi SS, Ramakrishnan S. Analysis of breast thermograms using gabor wavelet anisotropy index. *Journal of Medical Systems* 2014; 38 (9) Art. No. 101.

Sugawara J, Kou S, Kokubo K, Kuroda A, Hashizume Y, Kobayashi S, Maegawa J, Satake T. Application for lower facial fat reduction and tightening by static type monopolar 1-MHz radio frequency for body contouring. *Lasers in Surgery and Medicine* 2017, 49 (8): 750-755.

Sugie T. A perspective on current status and future directions of sentinel node biopsy using fluorescence imaging system in breast cancer. *ICG Fluorescence Imaging and Navigation Surgery* 125-130

Sugimoto S, Toyooka S, Iga N, Furukawa M, Sugimoto R, Shien K, Nishikawa H, Soh J, Yamane M, Oto T, Miyoshi S. Use of a vessel sealing system versus conventional electrocautery for lung parenchymal resection: A comparison of the clinicopathological outcomes in porcine lungs. 2014; *Surgery Today* 44 (3) 540-545.

Suh GJ, Kwon W.Y, Kim KS, Lee HJ, Jeong K.Y, Jung YS, Lee JH. Prolonged therapeutic hypothermia is more effective in attenuating brain apoptosis in a swine cardiac arrest model. *Critical Care Medicine* 2014; 42 (2): e132-e142.

Suh HP, Park EJ, Hong JP. Effect of Monopolar Cutting Mode against Bipolar Diathermy on Surgical Dissection of Microvessels. *Journal of Reconstructive Microsurgery* 2017, 33 (9): 660-669.

Sukovas A, Cesna V, Jasukaitiene A, Barauskas G, Nadisauskiene RJ, Dambrauskas Z, Paskauskas S, Gulbinas A. Response of OVCAR-3 cells to cisplatin and hyperthermia: Does hyperthermia really matter? *Anticancer Research* 2017, 37 (9): 5011-5018.

Sukul A, Chowdhury S, Poddar SK, Saha SK, Rahman SMA. A comprehensive evaluation of peripheral analgesic and antipyretic activities of divalent metal complexes of indomethacin. *Dhaka University Journal of Pharmaceutical Sciences* 2017, 16 (2): 173-178.

Sumida H, Asano Y, Hatano M, Aozasa N, Toyama T, Akamata K, Miyazaki M, Taniguchi T, Takahashi T, Ichimura Y, Noda S, Kuwano Y, Yanaba K, Sato S. Effect of ambrisentan on peripheral circulation in patients with systemic sclerosis. *Modern Rheumatology* 2016; 26 (3) 454-457

Sumida K, Sato N, Ota M, Sakai K, Sone D, Yokoyama K, Kimura Y, Maikusa N, Imabayashi E, Matsuda H, Kunimatsu A, Ohtomo K. Intraventricular temperature measured by diffusion-weighted imaging compared with brain parenchymal temperature measured by MRS in vivo. *NMR in Biomedicine* 2016; 29 (7) 890-895

Sumowski JF, Leavitt VM. Body temperature is elevated and linked to fatigue in relapsing- remitting multiple sclerosis even without heat exposure. *Archives of Physical Medicine and Rehabilitation* 2014; 95 (7): 1298-1302.

Sun C, Xia W, Liu Y, Jia G, Wang C, Yan C, Li Y. Agrypnia excitata and obstructive apnea in a patient with fatal familial insomnia from China. *Medicine (United States)* 2017, 96 (49), art. no. e8951.

Sun G, Nakayama Y, Dagdanpurev S, Abe S, Nishimura H, Kirimoto T, Matsui T. Remote sensing of multiple vital signs using a CMOS camera-equipped infrared thermography system and its clinical application in rapidly screening patients with suspected infectious diseases. *International Journal of Infectious Diseases* 2017, 55: 113-117.

Sun G, Saga T, Shimizu T, Hakozaiki Y, Matsui T. Fever screening of seasonal influenza patients using a cost-effective thermopile array with small pixels for close-range thermometry. *International Journal of Infectious Diseases* 2014; 25: 56-58.

Sun GH, Matsui T, Hakozaiki Y, Abe S. An infectious disease/fever screening radar system which stratifies higher-risk patients within ten seconds using a neural network and the fuzzy grouping method. *Journal of Infection* 2015; 70(3): 230-236

Sun JH, Ma HN, Zeng DB. Three-dimensional Infrared imaging method based on binocular stereo vision. *Optical Engineering* 2015; 54(1) 103111

Sun L, Yan J, Sun L, Velan SS, Leow MKS. A synopsis of brown adipose tissue imaging modalities for clinical research. *Diabetes and Metabolism* 2017, 43 (5): 401-410.

Sun S, Grediac M, Toussaint E, Mathias JD, Mati-Baouche N. Applying a Full-Field Measurement Technique to Characterize the Mechanical Response of a Sunflower-Based Biocomposite. *Experimental Mechanics* 2015; 55(5): 917-934

Sun X-F, Zhang H-Y, Xia Q, Zhao H-J, Wu L-F, Zhang L-Z, Shi R-B. HPLC-fingerprint-based quality evaluation on

a Tibetan medicine *Phyllanthus emblica* and its tannin parts. *Zhongguo Zhongyao Zazhi* 2014; 39 (7): 1173-1178.

Sun X-G, Zhang L, Yu C-T, Qian X-Y, Chang Q. One-stage repair of extensive aortic aneurysms: Mid-term results with total or subtotal aortic replacement. *Interactive Cardiovascular and Thoracic Surgery* 2014; 18 (3): 278-282.

Sun Y, Wu J, Wang C, Zhao Y, Lin Q. Tunable near-infrared fluorescent gold nanoclusters: Temperature sensor and targeted bioimaging. *New Journal of Chemistry* 2017, 41(13) 5412-5419.

Sun Y.-J, Wu Y.-C, Zhang J.-F, Li Y, Wang Y. Therapeutic efficacy observation on 'setting fire on the mountain' manipulation by Lu Shou-yan for cervical radiculopathy. *Journal of Acupuncture and Tuina Science* 2014; 12 (6): 331-334.

Sun Z, Chen Y, Zhang J, Guo H, Zhang Y. Evolution of brain temperature in ischemic tissues by 1H magnetic resonance spectroscopy. *National Medical Journal of China* 2014; 94 (29): 2297- 2299.

Sun Z-Y, Wang Y-Z, Nie R-J, Zhang J-Z, Wang S-Y. Standardization of production of process *Notopterygii Rhizoma et Radix* slices. *Zhongguo Zhongyao Zazhi* 2017, 42 (23): 4510-4513.

Sund-Levander M, Grodzinsky E. Ear body temperature in healthy individuals. A population study on small children to elderly adults (extended abstract). *Thermology international* 2015, 25(3) 112.

Suschinsky KD, Shelley AJ, Gerritsen J, Tuiten A, Chivers ML, The Clitoral Photoplethysmograph: A Pilot Study Examining Discriminant and Convergent Validity. *Journal of Sexual Medicine* 2015; 12(1)2: 2324- 2338

Suszyński Z, Świta R, Łoś, J, Zarzycka MB, Kaleniecka A, Zarzycki PK. Fast assessment of planar chromatographic layers quality using pulse thermovision method. *Journal of Chromatography A* 2014; 1373: 211-215.

Suszynski Z, Zarzycki PK. New approach for sensitive photothermal detection of C60 and C70 fullerenes on micro-thin-layer chromatographic plates. *Analytica Chimica Acta* 2015; 863: 70-77

Suteu M, Indrie L, Gherghel S, Timofte A Identifying the points that represent potential defects in embroidery machines using Infrared thermography. *Industria Textila* 2015; 66(1): 39-42

Sutkar VS, Deen NG, Patil AV, Peters EA, Kuipers JAM, Salikov V, Antonyuk S, Heinrich S. Experimental Study of Hydrodynamics and Thermal Behavior of a Pseudo-2D Spout-Fluidized Bed with Liquid Injection. *Aiche Journal* 2015; 61(4): 1146-1159

Suyama Y, Kishimoto M, Togashi S, Terada Y, Okada M. Cold-associated painful purple digits due to type I cryoglobulinemia. *Vascular Medicine (United Kingdom)* 2017, 22 (1) 69.

Suzuki E, Ohya T, Ito R, Matsumoto T, Kitagawa K. Physiological responses in alpine skiers during on- snow training simulation in the cold. *International Journal of Sports Medicine* 2014; 35 (5): 392-398.

Suzuki H, Oki K, Igarashi T, Shiwa T, Takahashi H. Temperature in the anterior chamber during phacoemulsification. *Journal of Cataract and Refractive Surgery* 2014; 40 (5): 805-810.

Svagård I, Austad HO, Seeberg T, Vedum J, Liverud A, Mathiesen BM, Keller B, Bendixen O.C, Osborne P, Strisland F. A usability study of a mobile monitoring system for congestive heart failure patients. *Studies in Health Technology and Informatics* 2014; 205: 528-532.

Svedin BT, Beck MJ, Hadley JR, Merrill R, de Bever JT, Bolster BD, Jr Payne A, Parker DL. Focal point determination in magnetic resonance-guided focused ultrasound using tracking coils. *Magnetic Resonance in Medicine* 2017; 77 (6): 2424-2430.

Svedin BT, Beck MJ, Hadley JR, Merrill R, de Bever JT, Bolster BD, Payne A, Parker DL. Focal point determination in magnetic resonance-guided focused ultrasound using tracking coils. *Magnetic Resonance in Medicine Article in Press*

Svedin BT, Payne A, Parker DL. Respiration artifact correction in three-dimensional proton resonance frequency MR thermometry using phase navigators. *Magnetic Resonance in Medicine* 2016; 76 (1) 206- 213

Svejdova K, Simkova A, Soch M, Zabransky L, Simak- Libalova K, Svarcova A Frejlach T, Cermak B. Relationship of body temperature and welfare of dairy cows In: Polak O, Cerkal R, Belcredi NB, eds, *Mendelnet* 2015, 2015: 164-168

Svensson H, Bjermer L, Tufvesson E. Exhaled breath temperature in asthmatics and controls after eucapnic voluntary hyperventilation and a methacholine challenge test. *Respiration* 2014; 87 (2): 149-157.

Sviridov AP, Zakharkina OL, Ignatieva N.Y, Vorobieva NN, Bagratashvili NV, Plyakin VA, Kulik IO, Sarukhanyan OO, Minaev VP, Lunin VV, Bagratashvili VN. Ex vivo laser thermoplasty of whole costal cartilages. *Lasers in Surgery and Medicine* 2014; 46 (4): 302-309.

Svitova TF, Lin M.C. Lens-care-solution-induced alterations in dynamic interfacial properties of human tear- lipid films. *Contact Lens and Anterior Eye* 2014; 37 (5): 368-376.

Sweeney CB, Lackey BA, Pospisil MJ, Achee TC, Hicks VK, Moran AG, Teipel BR, Saed MA, Green MJ. Welding of 3D-printed carbon nanotube–polymer composites by locally induced microwave heating. *Science Advances* 2017, 3 (6), art. no. e1700262.

Swiderski W, Vavilov V. Ultrasonic IR thermographic inspection of graphite epoxy composite: a comparative study of piezoelectric and magnetostrictive stimulation. *Opto-Electronics Review* 2015; 23(1): 33-36

- Swiderski W, Vavilov V. Ultrasonic IR thermographic inspection of graphite epoxy composite: a comparative study of piezoelectric and magnetostrictive stimulation. *Opto-Electronics Review* 2015; 23(1): 33-36
- Syrkin-Nikolau ME, Johnson KJ, Colaizy TT, Schrock R, Bell EF. Temporal Artery Temperature Measurement in the Neonate. *American Journal of Perinatology* 2017, 34 (10 1026-1031.
- Szalma J, Vajta L, Lempel E, Tóth Á, Jeges S, Olasz L. Intracanal temperature changes during bone preparations close to and penetrating the inferior alveolar canal: Drills versus piezosurgery. *Journal of Cranio-Maxillofacial Surgery* 2017, 45 (10): 1622-1631.
- Szász O, Leckler J. Oncothermia A new form of Hyperthermia (extended abstract). *Thermology international* 2015, 25(1) 24
- Szubert J, Szubert S, Koszada-Włodarczyk W, Bortkiewicz A. New methods for determining the relative load due to physical effort of the human body [Nowe metody wyznaczania względnego obciążenia wysiłkiem fizycznym organizmu człowieka] *Medycyna Pracy* 2014; 65 (2): 189-195.
- Szymanik B, Gratkowski S. Numerical and Experimental Validation of Optimization Results in Microwave Enhanced Infrared Landmines' Detection. *IEEE Transactions On Magnetics* 2015; 51(3)
- Taberski K, Klose M, Grote K, El Ouardi A, Streckert J, Hansen VW, Lerchl A. Noninvasive assessment of metabolic effects of exposure to 900 MHz electromagnetic fields on djungarian hamsters (*phodopus sungorus*). *Radiation Research* 2014; 181 (6) 617-622.
- Taccone FS, Dell'Anna A. Targeted temperature management after cardiac arrest [4] *New England Journal of Medicine* 2014; 370 (14): 1357-1358.
- Taccone FS, Saxena M, Schortgen F. What's new with fever control in the ICU. *Intensive Care Medicine* 2014; 40 (8): 1147-1150.
- Tachikawa Y, Sugimoto J, Takada M, Kawabata T, Lyth SM, Shiratori Y, Sasaki K. In Operando Visualization of SOFC Electrodes by Thermography and Visible Light Imaging. *ECS Electrochemistry Letters* 2015; 4(1)1: F61-F64
- Tachinardi P, Bicudo JEW, Oda GA, Valentinuzzi VS. Rhythmic 24 h variation of core body temperature and locomotor activity in a subterranean rodent (*Ctenomys aFf Knighti*) the tuco-tuco. *PLoS ONE* 2014; 9 (1) Art. No. e85674.
- Tadeu A, Prata J, Simoes N. Dynamic simulation of three-dimensional heat conduction through cylindrical inclusions using a BEM model formulated in the frequency domain. *Applied Mathematics and Computation* 2015; 261: 397-407
- Tag A, Bader B, Huck C, Karolewski D, Pitschj M, Weigel R, Hagelauer A. Effect of Spatial Distribution of Dissipated Power on Modeling of SMR, BAW Resonators at High Power Levels. *IEEE Transactions On Ultrasonics Ferroelectrics and Frequency Control*, 2015; 62(1)0: 1856-1864
- Tag A, Chauhan V, Weigel R, Hagelauer A, Bader B, Huck C, Pitschj M, Karolewski D. Multiphysics Modeling of BAW Filters. 2015 IEEE International Ultrasonics Symposium (IUS)OCT 21-24 2015, Taipei Taiwan, 2015, pp. 1-4.
- Tagieva NR, Shakhnovich RM, Mironov VM, Ruda M.Ya. Invasive methods of detection of unstable atherosclerotic plaques in coronary arteries. *Kardiologiya* 2014; 54 (11): 46-56.
- Taheri-Garavand A, Ahmadj H, Omid M, Mohtasebj SS, Mollazade K, Smith AJR, Carlomagno GM. An intelligent approach for cooling radiator fault diagnosis based on Infrared thermal image processing technique. *Applied Thermal Engineering* 2015; 87: 434-443
- Tajsic N, Winkel R, Husum H. Distally based perforator flaps for reconstruction of post-traumatic defects of the lower leg and foot. A review of the anatomy and clinical outcomes. *Injury* 2014; 45 (3): 469-477.
- Takahashi M, Rhee AJ, Rakasi RR, Yildirim A, Silvay G, Reddy R.C. Cardiac surgery in a patient with pemphigus vulgaris: Anesthetic and surgical considerations. *Seminars in Cardiothoracic and Vascular Anesthesia* 2014; 18 (1): 74-77.
- Takahashi S, Monda K, Negj J, Konishj F, Ishikawa S, Hashimoto-Sugimoto M, Goto N, Iba K. Natural Variation in Stomatal Responses to Environmental Changes among *Arabidopsis thaliana* Ecotypes. *PLOS One*, 3 2015; 10(2) e0117449
- Takase K, Kikuchi K, Tsuneoka Y, Oda S, Kuroda M, Funato H. Meta-analysis of melanin- concentrating hormone signaling-deficient mice on behavioral and metabolic phenotypes. *PLoS ONE* 2014; 9 (6) Art. No. e99961.
- Takeda Y, Kawashima T, Kiyota K, Oda S, Morimoto N, Kobata H, Isobe H, Honda M, Fujimi S, Onda J, I S, Sakamoto T, Ishikawa M, Nakano H, Sadamitsu D, Kishikawa M, Kinoshita K, Yokoyama T, Harada M, Kitaura M, Ichihara K, Hashimoto H, Tsuji H, Yorifuji T, Nagano O, Katayama H, Ujike Y, Morita K. Feasibility study of immediate pharyngeal cooling initiation in cardiac arrest patients after arrival at the emergency room. *Resuscitation* 2014; 85 (12): 1647- 1653.
- Takroni TA, Yu H, Laouar L, Adesida AB, Elliott JAW, Jomha NM. Ethylene glycol and glycerol loading and unloading in porcine meniscal tissue. *Cryobiology* 2017, 74: 50-60.
- Talih S, Balhas Z, Salman R, Karaoghlanian N, Shihadeh A. "Direct dripping": A high-temperature high-formaldehyde emission electronic cigarette use method. *Nicotine and Tobacco Research* 2016; 18 (4) 453- 459

- Talks SJ, Aftab AM, Ashfaq I, Soomro T. The role of new imaging methods in managing age-related macular degeneration. *Asia-Pacific Journal of Ophthalmology* 2017, 6 (6): 498-507.
- Talukder S, Gabai G, Celi P. The use of digital Infrared thermography and measurement of oxidative stress biomarkers as tools to diagnose foot lesions in sheep. *Small Ruminant Research* 2015; 127: 80-85
- Talukder S, Ingenhoff L, Kerrisk KL, Celi P. Plasma oxidative stress biomarkers and progesterone profiles in a dairy cow diagnosed with an ovarian follicular cyst. *Veterinary Quarterly* 2014; 34 (2) 113-117.
- Talukder S, Thomson PC, Kerrisk KL, Clark CEF, Celi P. Evaluation of Infrared thermography body temperature and collar-mounted accelerometer and acoustic technology for predicting time of ovulation of cows in a pasture-based system. *Theriogenology* 2015; 83(4): 739-748
- Tam W, Lee RC, Lin B, Simon JC, Fried D. Assessment of simulated lesions on primary teeth with near- infrared imaging. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9692, art no 96920V
- Tamai K, Suzuki A, Takahashi S, Akhgar J, Rahmani MS, Hayashi K, Ohyama S, Nakamura H. The incidence of nerve root injury by highspeed drill can be reduced by chilled saline irrigation in a rabbit model. *Bone and Joint Journal* 2017, 99B (4): 554-560.
- Tamaki T, Ishikawa H, Sakamoto J. Diagnostic value of infrared (IR) thermography for assessing diabetic foot in a dialysis patient - A case report. *Thermology International* 2014; 24 (2): 49-52.
- Tambasco N, Belcastro V, Prontera P, Nigro P, Donti E, Rossi A, Calabresi P. Shapiro's syndrome: Defining the clinical spectrum of the spontaneous paroxysmal hypothermia syndrome. *European Journal of Paediatric Neurology* 2014; 18 (4): 453-457.
- Tamburini A, Cipollina A, Al-Sharif S, Albeirutty M, Gurreri L, Micale G, Ciofalo M. Assessment of temperature polarization in membrane distillation channels by liquid crystal thermography. *Desalination and Water Treatment* 2015; 55(1)0: 2747-2765
- Tamm M, Jakobson A, Havik M, Burk A, Timpmann S, Allik J, Ööpik V, Kreegipuu K. The compression of perceived time in a hot environment depends on physiological and psychological factors. *Quarterly Journal of Experimental Psychology* 2014; 67 (1): 197-208.
- Tamm M, Jakobson A, Havik M, Timpmann S, Burk A, Ööpik V, Allik J, Kreegipuu K. Effects of heat acclimation on time perception. *International Journal of Psychophysiology* . Article in Press.
- Tamunobere O, Drewes C, Acharya S, Nakamata C. Heat Transfer to an Actively Cooled Shroud With Blade Rotation. *Journal of Thermal Science and Engineering Applications*. 2015; 7(4) 041020
- Tan JH, Acharya UR. Pseudocolours for thermography-Multi-segments colour scale. *Infrared Physics & Technology* 2015; 72: 140-147
- Tan KK, Narayanan AS, Koh CH, Caves K, Hoenig H. Extraction of spatial information for low- bandwidth telerehabilitation applications. *Journal of Rehabilitation Research and Development* 2014; 51 (5): 825-840.
- Tan LJ, Barnett MA, Eisenberg A, Fox Fields H, Hackell JM, Léger MM, Meadows B, Moore KL, Rehm SJ, Rothholz M.C, Smith C, Talkington K, Wexler DL. From refrigerator to arm: Issues in vaccination delivery. *Vaccine* 2014; 32 (21): 2389-2393.
- Tan LL, Sanjay S, Morgan PB. Repeatability of infrared ocular thermography in assessing healthy and dry eyes. *Contact Lens and Anterior Eye* 2016; 39 (4) 284-292
- Tan LL, Sanjay S, Morgan PB. Screening for dry eye disease using infrared ocular thermography. *Contact Lens and Anterior Eye* 2016; 39 (6) 442-449
- Tan M.C, Coursin DB. Complete neurologic recovery in an out-of-hospital cardiac arrest facilitated by initiation of therapeutic hypothermia in a young athlete with an anomalous right coronary artery. *Journal of Clinical Anesthesia* 2014; 26 (3): 227-230.
- Tan W, Sparrow E.M, Gorman J.M, Ahn J. Synergistic experimental and numerical characterization of a dry-heat, fluid-warming device. *Medical Engineering and Physics* 2017, 49: 39-45.
- Tanda G. The use of infrared thermography to detect the skin temperature response to physical activity. *Journal of Physics: Conference Series* 2015, 655(1) 012062.
- Tang MF, Yin YH. Study on Hollow Brick Wall's Surface Temperature with Infrared Thermal Imaging Method. *Spectroscopy and Spectral Analysis* 2015; 35(5): 1228-1232
- Tang QJ, Bu CW, Liu YL, Qj LT, Yu ZYn. A new signal processing algorithm of pulsed Infrared thermography. *Infrared Physics & Technology* 2015 68: 173-178
- Tanner C, Zur Y, French K, Samei G, Strehlow J, Sat G, McLeod H, Houston G, Kozerke S, Székely G, Melzer A, Preusser T. In vivo validation of spatio-temporal liver motion prediction from motion tracked on MR thermometry images. *International Journal of Computer Assisted Radiology and Surgery* 2016; 11 (6) 1143-1152
- Tanrikulu CS, Hocagil H, Kaya U, Hocagil AC. Acute bilateral vision loss in emergency department: A case report. *Turkish Journal of Emergency Medicine* 2016; 16 (1) 38-40
- Tanriverdi F, Karaca Z Unluhizarci K, Kelestimur F. Unusual effects of GH deficiency in adults: a review about the effects of GH on skin sleep and coagulation. *Endocrine* 2014; 47 (3) 679-689.

- Tao R, Rudacille M, Zhang G, Ma Z. Changes in intensity of serotonin syndrome caused by adverse interaction between monoamine oxidase inhibitors and serotonin reuptake blockers.
- Tao SI, Yang ZW, Tian G, Zhang W. Determination of temperature sequence length in pulse phase thermography. *Infrared Physics & Technology* 2015; 72: 210-220
- Tapia FJ, Largier JL, Castillo M, Wieters EA, Navarrete SA. Latitudinal discontinuity in thermal conditions along the nearshore of central-northern Chile. *PLoS ONE* 2014; 9 (10), art. no. e110841.
- Tarasek MR, Pellicer R, Hofstetter LW, Numan W CM, Bakker JF, Kotek G, Togni P, Verhaart RF, Fiveland EW, Houston GC, Van Rhooon GC, Paulides MM, Yeo DTB. Validation of MR thermometry: Method for temperature probe sensor registration accuracy in head and neck phantoms. *International Journal of Hyperthermia* 2014; 2014; 30 (2) 142-149.
- Tardani F, La Mesa C. Effects of single-walled carbon nanotubes on lysozyme gelation. *Colloids and Surfaces B: Biointerfaces* 2014; 121: 165-170.
- Tatebe K, Ramsay E, Mougnot C, Kazem M, Peikari H, Bronskill M, Chopra R. Influence of geometric and material properties on artifacts generated by interventional MRI devices: Relevance to PRF-shift thermometry. *Medical Physics* 2016; 43 (1) 241-253
- Tawy GF, Rowe PJ, Riches PE. Thermal Damage Done to Bone by Burring and Sawing With and Without Irrigation in Knee Arthroplasty. *Journal of Arthroplasty* 2016; 31 (5) 1102-1108
- Tay KJ, Cheng CWS, Lau WKO, Khoo J, Thng CH, Kwek JW. Focal therapy for prostate cancer with in-bore MR-guided focused ultrasound: Two-year follow-up of a phase I trial - Complications and functional outcomes. *Radiology* 2017, 285 (2): 620-628.
- Taylor L, Fitch N, Castle P, Watkins S, Aldous J, Sculthorpe N, Midgely A, Brewer J, Mauger A. Exposure to hot and cold environmental conditions does not affect the decision making ability of soccer referees following an intermittent sprint protocol. *Frontiers in Physiology* 2014; 5. art. no. 00185.
- Taylor L, Mauger AR, Watkins SL, Fitch N, Brewer J, Maxwell NS, Webborn N, Castle PC. Precooling does not improve 2,000-m rowing performance of females in hot humid conditions. *Journal of Strength and Conditioning Research* 2014; 28 (12): 3416-3424.
- Taylor NAS, Machado-Moreira CA, van den Heuvel AMJ, Caldwell JN. Hands and feet: physiological insulators radiators and evaporators. *European Journal of Applied Physiology* 2014; 114 (10) 2037-2060.
- Taylor NAS, Tipton MJ, Kenny GP. Considerations for the measurement of core skin and mean body temperatures. *Journal of Thermal Biology* 2014; 46: 72-101.
- Taylor NAS. Human heat adaptation. *Comprehensive Physiology* 2014; 4 (1) 325-365.
- Tazoe J, Yamada K, Sakai K, Akazawa K, Mineura K. Brain core temperature of patients with mild traumatic brain injury as assessed by DWI-thermometry. *Neuroradiology* 2014; 56 (10) 809-815.
- Teixeira ADO, Martins CN, da Silva AMV, Tozetti AM, Plentz RDM, Signori LU. Temperature of cutaneous and subcutaneous tissue during the application of aerosols in rats [Comportamento térmico dos tecidos cutâneo e subcutâneo durante a aplicação de diferentes tipos de aerossóis em ratos]. *Acta Scientiarum - Health Sciences* 2014; 36 (2): 243-249.
- Teixeira Oliveira J, Vardasca R, Pimenta M, Torres J. Thermal imaging as a potential complimentary diagnosis method for ankle sprain lesions (extended abstract). *Thermology international* 2015, 25(3) 120- 121
- Teixeira Oliveira J, Vardasca R, Pimenta M, Torres J. Thermal imaging as a potential complimentary diagnosis method for ankle sprain lesions (extended abstract). *Thermology international* 2015, 25(3) 120- 121.
- Teixeira SR, Magalhães RS, Arenales A, Souza AE, Romero M, Rincón JM. Valorization of sugarcane bagasse ash: Producing glass-ceramic materials. *Journal of Environmental Management* 2014; 134: 15-19.
- Tekkaya AE, Allwood JM, Bariani PF, Bruschi S, Cao J, Gramlich S, Groche P, Hirt G, Ishikawa T, Lobbe C, Lueg-Althoff J, Merklein M, Misiolek WZ, Pietrzyk M, Shivpuri R, Yanagimoto J. Metal forming beyond shaping: Predicting and setting product properties. *CIRP Annals-Manufacturing Technology* 2015; 64(2): 629-653
- Tempelhahn A, Budzier H, Krause V, Gerlach G. Improving the shutter-less compensation method for TEC-less microbolometer-based Infrared cameras. *Proceedings of SPIE 41st Conference on Infrared Technology and Applications, APR 20-23 2015, Baltimore MD, 2015; pp. 94511F-94511F-10*
- temperature: a randomized and placebo-controlled clinical study. *Journal of Cosmetic Dermatology* 2016; 15 (3) 226-230
- Ten Eikelder HMM, Bošnački D, Elevelt A, Donato K, Di Tullio A, Breuer BJT, Van Wijk JH, Van Dijk EVM, Modena D, Yeo SY, Grull H. Modelling the temperature evolution of bone under high intensity focused ultrasound. *Physics in Medicine and Biology* 2016; 61 (4), art no 1810 1810-1828
- Tentor FR, de Oliveira JH, Scariot DB, Lazarin-Bidóia D, Bonafé EG, Nakamura CV, Venter SAS, Monteiro JP, Muniz EC, Martins AF Scaffolds based on chitosan/pectin thermosensitive hydrogels containing gold nanoparticles. *International Journal of Biological Macromolecules* 2017, 102:1186-1194.
- Tepper M, Gannot I. Monitoring tumor state from thermal images in animal and human models. *Medical Physics*

2015; 42(3): 1297-1306

Tepper M, Gannot, I. Parametric study of different contributors to tumor thermal profile. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014, 8940, art. no. 89400P.

Terzis A, von Wolfersdorf J, Weigand B, Ott P. A method to visualise near wall fluid flow patterns using locally resolved heat transfer experiments. *Experimental Thermal and Fluid Science* 2015; 60: 223-230

Teske A, De Beer D, McKay LJ, Tivey MK, Biddle JF, Hoer D, Lloyd KG, Lever MA, Røy H, Albert DB, Mendlovitz HP, MacGregor BJ. The Guaymas Basin hiking guide to hydrothermal mounds chimneys and microbial mats: Complex seafloor expressions of subsurface hydrothermal circulation. *Frontiers in Microbiology* 2016; 7 (FEB), art no 75

Tetyczka C, Griesbacher M, Absenger-Novak M, Fröhlich E, Roblegg E Development of nanostructured lipid carriers for intraoral delivery of Domperidone. *International Journal of Pharmaceutics* 2017, 526(1-2) (88-198.

Teunissen LPJ, Wang L.-C, Chou S.-N, Huang C.-H, Jou G.-T, Daanen HAM. Evaluation of two cooling systems under a firefighter coverall. *Applied Ergonomics* 2014; 45 (6): 1433-1438.

Tew KS, Siao YJ, Liu PJ, Lo WT, Meng PJ. Taiwanese marine microbenthic algal communities remain similar yet chlorophyll a concentration rise in mesocosms with elevated CO₂ and temperature. *Marine Pollution Bulletin* 2017, 124 (2): 929-937.

Teza G, Marcato G, Pasuto A, Galgaro A. Integration of laser scanning and thermal imaging in monitoring optimization and assessment of rockfall hazard: a case history in the Carnic Alps (Northeastern Italy).

Thalhammer A, Hincha DK, Zuther E. Measuring freezing tolerance: Electrolyte leakage and chlorophyll fluorescence assays. *Methods in Molecular Biology* 2014; 1166: 15-24.

Thaokar C, Rossi MR, Rabin Y. A new method for temperature-field reconstruction during ultrasound-monitored cryosurgery using potential-field analogy. *Cryobiology* 2016; 72 (1) 69-77.

the Total Environment 2014; 499 (1): 394-401.

Thella AK, Rizkalla J, Helmy A, Suryadevara VK, Salama P, Rizkalla M. Non-invasive photo acoustic approach for human bone diagnosis. *Journal of Orthopaedics* 2016; 13 (4) 394-400

Theodorakeas P, Avdelidis NP, Hatzioannidis I, Cheilakou E, Marini R, Kouli M. Comparative evaluation of aerospace composites using thermography and ultrasonic NDT techniques. In Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20- 23 2015, Baltimore MD, 2015; 948504-948504-12.

Theodorakeas P, Cheilakou E, Ftikou E, Kouli M. Passive and active infrared thermography: An overview of applications for the inspection of mosaic structures. *Journal of Physics: Conference Series* 2015 655(1) 012061

Theranostics 2016; 6 (9) 1293-1305

Thermology international 2015, 25(1) 26-27

Thermology international 2015, 25(3) 115-116

Thiam S, Diène AN, Sy I, Winkler MS, Schindler C, Ndione JA, Faye O, Vounatsou P, Utzinger J, Cissé, G. Association between childhood diarrhoeal incidence and climatic factors in urban and rural settings in the health district of Mbour Senegal. *International Journal of Environmental Research and Public Health* 2017, 14 (9), art. no. 1049.

Thiel A, Buskens C, Woehrlé T, Etheve S, Schoenmakers A, Fehr M, Beilstein P. Black pepper constituent piperine: Genotoxicity studies in vitro and in vivo. *Food and Chemical Toxicology* 2014; 66, 350-357.

Thiel CS, Tauber S, Schütte A, Schmitz B, Nuesse H, Moeller R, Ullrich O. Functional activity of plasmid DNA after entry into the atmosphere of earth investigated by a new biomarker stability assay for ballistic spaceflight experiments. *PLoS ONE* 9 2014; (11) Art. No. e112979.

Thimbleby H. Processing storage and display of physiological measurements. *Anaesthesia and Intensive Care Medicine* 2014; 15 (7): 340-343.

Thiruvengadam J, Anburajan M, Menaka M, Venkatraman B. Potential of thermal imaging as a tool for prediction of cardiovascular disease. *Journal of Medical Physics* 2014; 39 (2): 98-105.

Thomas Bass W, Lattanzio FA, Brayman G, Kootsey B, Aiello F, Perkins AM, Carr KL, Allison R.C, Shaeffer J, Kelley R. Non-invasive measurement of brain temperature using radiometric thermometry: Experimental validation and clinical observations in asphyxiated newborns. *Journal of Neonatal-Perinatal Medicine* 2014; 7 (4): 279-286.

Thomas G, Owen E. Basic measurement concepts. *Anaesthesia and Intensive Care Medicine* 2014; 15 (7): 321-324.

Thomas MR, Yoxall CW, Weeks AD, Duley L. Providing newborn resuscitation at the mother's bedside: Assessing the safety usability and acceptability of a mobile trolley. *BMC Pediatrics* 2014; 14 (1), art. no. 135.

Thomas R, Balasubramaniam K. Scanning induction Thermography (SIT) for Imaging Damages in Carbon-Fibre Reinforced Plastics (CFRP) Components. In: Chimenti DE, Bond LI, eds, *AIP Conference Proceedings 41st Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE)*, JUL 20- 25 2014, Boise ID, 2015;

- Thompson CL, Williams SH, Glander KE, Teaford MF, Vinyard CJ. Body temperature and thermal environment in a generalized arboreal anthropoid wild mantled howling monkeys (*Alouatta palliata*). *American Journal of Physical Anthropology* 2014; 154 (1) 1-10.
- Thompson RS, Strong PV, Clark PJ, Maslanik TM, Wright Jr KP, Greenwood BN, Fleshner M. Repeated fear-induced diurnal rhythm disruptions predict PTSD-like sensitized physiological acute stress responses in F344 rats. *Acta Physiologica* 2015, 211 (2): 447-465.
- Thomsen JH, Kjaergaard J, Graff C, Pehrson S, Erlinge D, Wanscher M, Køber L, Bro-Jeppesen J, Sørholm H, Winther-Jensen M, Hassager C. Ventricular ectopic burden in comatose survivors of out-of-hospital cardiac arrest treated with targeted temperature management at 33 °C and 36 °C. *Resuscitation* 2016; 102 98-104
- Thomson MC, Ukawuba I, Hershey CL, Bennett A, Ceccato P, Lyon B, Dinku T. Using rainfall and temperature data in the evaluation of national malaria control programs in Africa. *American Journal of Tropical Medicine and Hygiene* 2017, 97: 32-45.
- Thornton AJ, Kirk A, Cahyna P, Chapman IT, Fishpool G, Harrison JR, Liu YQ, Kripner L, Peterka M. ELM mitigation via rotating resonant magnetic perturbations on MAST. *Journal of Nuclear Materials* 2015; 463: 723-726
- Thrippleton MJ, Parikh J, Harris BA, Hammer SJ, Semple SIK, Andrews PJD, Wardlaw JM, Marshall I. Reliability of MRSI brain temperature mapping at 1.5 and 3 T. *NMR in Biomedicine* 2014; 27 (2): 183-190.
- Thudium MO, von Lehe M, Wessling C, Schoene-Bake J.-C, Soehle M. Safety feasibility and complications during resective pediatric epilepsy surgery: a retrospective analysis. *BMC Anesthesiology* 2014; 14, p. 71.
- Thuermel K, Neumann J, Jungmann PM, Schäffeler C, Waldt S, Heinze A, Beckmann A, Hauser C, Hasenau A-L, Wildgruber M, Clotten S, Sievert M, Haller B, Woertler K, Harasser N, Rummeny EJ, Meier R. Fluorescence optical imaging and 3T-MRI for detection of synovitis in patients with rheumatoid arthritis in comparison to a composite standard of reference. *European Journal of Radiology* 2017, 90: 6-13.
- Tian Y, Li J-C, Zhu J-X, Zhu N, Zhang H-M, Liang L, Sun L. Folic acid-targeted etoposide cubosomes for theranostic application of cancer cell imaging and therapy. *Medical Science Monitor* 2017, 23: 2426-2435.
- Tieri G, Gioia A, Scandola M, Pavone EF, Aglioti SM. Visual appearance of a virtual upper limb modulates the temperature of the real hand: a thermal imaging study in Immersive Virtual Reality. *European Journal of Neuroscience* 2017, 45(9) 1141-1151.
- Tillander M, Hokland S, Koskela J, Dam H, Andersen NP, Pedersen M, Tanderup K, Yliahautala M, Köhler Timlin HM, Keane PA, Rose GE, Ezra DG. The Application of Infrared Imaging and Optical Coherence Tomography of the Lacrimal Punctum in Patients Undergoing Punctoplasty for Epiphora. *Ophthalmology* 2017, 124 (6): 910-917.
- Tipirneni KE, Warram JM, Moore LS, Prince AC, De Boer E, Jani AH, Wapnir IL, Liao JC, Bouvet M, Behnke NK, Hawn MT, Poultsides GA, Vahrmeijer AL, Carroll WR, Zinn KR, Rosenthal E. Oncologic Procedures Amenable to Fluorescence-guided Surgery. *Annals of Surgery* 2017, 266 (1): 36-47.
- Tipirneni KE, Warram JM, Moore LS, Prince AC, de Boer E, Jani AH, Wapnir IL, Liao JC, Bouvet M, Behnke NK, Hawn MT, Poultsides GA, Vahrmeijer AL, Carroll WR, Zinn KR, Rosenthal E. Oncologic Procedures Amenable to Fluorescence-guided Surgery. *Annals of Surgery* Article in Press
- Tirilomis T, Malliarou S, Coskun KO, Schoendube FA. Carotid Artery Doppler Flow Pattern After Deep Hypothermic Circulatory Arrest in Neonatal Piglets. *Artificial Organs* 2014; 38 (1): 91-95.
- Tirioni AS, Dos Reis DC, Ramos E, Moro ARP. Thermographic evaluation of the hands of pig slaughterhouse workers exposed to cold temperatures. *International Journal of Environmental Research and Public Health* 2017, 14 (8), art. no. 838.
- Tiwari S, Raman J, Reddy V, Dawson M, Bhargava R. Translation of infrared chemical imaging for cardiovascular evaluation. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9704, art no 97040X
- Todd G, Gordon CJ, Groeller H, Taylor NAS. Does intramuscular thermal feedback modulate eccrine sweating in exercising humans? *Acta Physiologica* 2014; 212 (1): 86-96.
- Todd N, Diakite M, Payne A, Parker DL. In vivo evaluation of multi-echo hybrid PRF/T1 approach for temperature monitoring during breast MR-guided focused ultrasound surgery treatments. *Magnetic Resonance in Medicine* 2014; 72 (3): 793-799.
- Todd N, Prakash J, Odéen H, De Bever J, Payne A, Yalavarthy P, Parker DL. Toward real-time availability of 3D temperature maps created with temporally constrained reconstruction. *Magnetic Resonance in Medicine* 2014; 71 (4): 1394-1404.
- Tokizawa K, Sawada S, Oka T, Yasuda A, Tai T, Ida H, Nakayama K. Fan-precooling effect on heat strain while wearing protective clothing. *International journal of biometeorology* 2014; 58 (9): 1919-1925.
- Tol T, Kadam N, Raotole N, Desai A, Samanta G. A simultaneous determination of related substances by high performance liquid chromatography in a drug product using quality by design approach. *Journal of Chromatography A* 2016; 1432 26-38

- Tomic LD, Jovanovic DB, Karkalic RM, Damnianovic VM, Kovacevic BV, Flipovic DD, Radakovic SS. Application of pulsed flash thermography method for specific defect, estimation in aluminum. *Thermal Science* 2015; 19(5): 1845-1854
- Tomita K, Hata N, Kobayashi N, Shinada T, Shirakabe A. Predicting the occurrence of oxygenation impairment in patients with type-B acute aortic dissection. *International Journal of Angiology* 2014; 23 (1): 53-60.
- Tomiyama M, Inoue S-I, Tsuzuki T, Soda M, Morimoto S, Okigaki Y, Ohishi T, Mochizuki N, Takahashi K, Kinoshita T. Mg-chelatase I subunit 1 and Mg-protoporphyrin IX methyltransferase affect the stomatal aperture in *Arabidopsis thaliana*. *Journal of Plant Research* 2014; 127 (4) 553- 563.
- Tompkins DA, Smith MT, Bigelow GE, Moaddel R, Venkata SLV, Strain E.C. The effect of repeated intramuscular alfentanil injections on experimental pain and abuse liability indices in healthy males. *Clinical Journal of Pain* 2014; 30 (1): 36-45.
- Tong H.-S, Duan P.-K, Zhang X.-Q, Wang P, Tang Y.-Q, Tang L.-Q, Su L. Changes in mesenteric lymph microcirculation in rats suffering from severe heatstroke. *Medical Journal of Chinese People's Liberation Army* 2014; 39 (4): 329-332.
- Tong J. Comments. *Neuromodulation* 2016; 19 (2), p 170
- Torquato JL, de Souza JBF, de Queiroz JPAF, Costa LLD. Infrared thermography applied to rhea (*Rhea americana*). *Journal of Animal Behaviour and Biometeorology* 2015; 3(2): 51-56
- Torres del Río J, Tornero-López AM, Guirado D, Pérez-Calatayud J, Lallena AM. Air density dependence of the response of the PTW SourceCheck 4pi ionization chamber for 125I brachytherapy seeds. *Physica Medica* 2017, 38: 93-97.
- Torres IA, Leija L, Vera A, Gutierrez J. Proposal of a hub of information from different instruments aimed at early detection of diabetic foot complications. 2016 Global Medical Engineering Physics Exchanges/Pan American Health Care Exchanges GMEPE/PAHCE 2016, art no 7504622
- Torres-Peralta R, Cirett-Galán F, Chernov V, Chernov G, Ruiz-Duarte JL, Barboza-Flores M. Error detection and correction in thermographic images for time series analysis in dynamic infrared imaging (extended abstract). *Thermology international* 2015, 25(3) 99-100
- Tosepu R. Temperature and development of Zika virus infection: An Indonesian case. *Asian Pacific Journal of Tropical Medicine* 2017, 10 (3), p. 320.
- Tosi D, Macchi EG, Braschi G, Cigada A, Gallati M, Rossi S, Poeggel S, Leen G, Lewis E. Fiber- optic combined FPI/FBG sensors for monitoring of radiofrequency thermal ablation of liver tumors: Ex vivo experiments. *Applied Optics* 2014; 53 (10) 2136-2144.
- Toth C, Klarik Z, Kiss F, Toth E, Hargitai Z, Nemeth N. Early postoperative changes in hematological erythrocyte aggregation and blood coagulation parameters after unilateral implantation of polytetrafluoroethylene vascular graft in the femoral artery of beagle dogs. *Acta Cirurgica Brasileira* 2014;
- Touati N, Tarazona-Díaz MP, Aguayo E, Louaileche H. Effect of storage time and temperature on the physicochemical and sensory characteristics of commercial apricot jam. *Food Chemistry* 2014; 145: 23-27.
- Toupin S, Bour P, Lepetit-Coiffé, M, Ozenne V, Denis de Senneville B, Schneider R, Vaussy A, Chaumeil A, Cochet H, Sacher F, Jais P, Quesson B. Feasibility of real-time MR thermal dose mapping for predicting radiofrequency ablation outcome in the myocardium in vivo. *Journal of Cardiovascular Magnetic Resonance* 2017, 19 (1): 1-12.
- Toupin S, De Senneville BD, Ozenne V, Bour P, Lepetit-Coiffe M, Boissenin M, Jais P, Quesson B. Combination of principal component analysis and optical-flow motion compensation for improved cardiac MR thermometry. *Physics in Medicine and Biology* 2017, 62 (4): 1208-1224.
- Tourneux P, Durand E, Pelletier A, Ghyselen L, Bach V, Libert J-P. Use of a polyethylene bag to reduce perioperative regional and whole-body heat losses in low-birth-weight neonates, *BioMed Research International* 2017, Article Number: 8243184.
- Toutouzas K, Benetos G, Drakopoulou M, Bounas P, Tsekoura D, Stathogiannis K, Koutagiar I, Aggeli C, Karanasos A, Panagiotakos D, Siores E, Stefanadis C. Insights from a thermography- based method suggesting higher carotid inflammation in patients with diabetes mellitus and coronary artery disease. *Diabetes and Metabolism* 2014; 40 (6): 431-438.
- Toutouzas K, Benetos G, Koutagiar I, Barampoutis N, Mitropoulou F, Davlouros P, Sfrikakis PP, Alexopoulos D, Stefanadis C, Siores E, Tousoulis D. Noninvasive detection of increased carotid artery temperature in patients with coronary artery disease predicts major cardiovascular events at one year: Results from a prospective multicenter study. *Atherosclerosis* 2017, 262: 25-30.
- Toutouzas K, Karanasos A, Stefanadis C. Diagnosis of Vulnerable Plaque. *Urgent Interventional Therapies* 2014: 19-26.
- Toutouzas K, Koutagiar I, Benetos G, Aggeli C, Georgakopoulos A, Athanasiadis E, Pianou N, Trachanellis S, Patelis N, Agrogiannis G, Kafouris P, Filis K, Bessias N, Klonaris C, Spyrou G, Tsiamis E, Siores E, Patsouris E, Cokkinos D, Tousoulis D, Anagnostopoulos CD. Inflamed human carotid plaques evaluated by PET/CT exhibit

increased temperature: Insights from an in vivo study. *European Heart Journal Cardiovascular Imaging* 2017, 18 (11): 1236-1244.

Towey C, Easton C, Simpson R, Pedlar C Conventional and novel body temperature measurement during rest and exercise induced hyperthermia. *Journal of Thermal Biology* 2017, 63: 124-130.

Tran VN, Kusa S, Smietana J, Tsai W-C, Bhasin K, Teh A, Syros G, Singh A, Choudry S, Miller MA, Koruth J, D'Avila A, Dukkipati SD, Reddy VY. The relationship between oesophageal heating during left atrial posterior wall ablation and the durability of pulmonary vein isolation. *Europace* 2017, 19 (10): 1664-1669.

Transplant International 2014; 27 (6): e50-e53.

Travain T, Colombo ES, Heinzl E, Bellucci D, Previde EP, Valsecchi P. Hot dogs: Thermography in the assessment of stress in dogs (*Canis familiaris*)-A pilot study. *Journal of Veterinary Behavior-Clinical Applications and Research* 2015; 10(1): 17-23

Trawinski H, Brüning J-H, Baum P, Ziemer M, Schubert S, Lübbert C. Borderline leprosy as a rare differential diagnosis [Borderline-Lepra als seltene Differenzialdiagnose]. *Deutsche Medizinische Wochenschrift* 2016; 141 (11) 806-810

Trbovich M, Ortega C, Schroeder J, Fredrickson M. Effect of a cooling vest on core temperature in athletes with and without spinal cord injury. *Topics in Spinal Cord Injury Rehabilitation* 2014; 20 (1): 70-80.

Trefná, HD, Crezee H, Schmidt M, Marder D, Lamprecht U, Ehmann M, Hartmann J, Nadobny J, Gellermann J, van Holthe N, Ghadjar P, Lomax N, Abdel-Rahman S, Bert C, Bakker A, Hurwitz MD, Diederich CJ, Stauffer PR, van Rhooen GC. Quality assurance guidelines for superficial hyperthermia clinical trials: I. Clinical requirements. *International Journal of Hyperthermia* 2017, 33 (4): 471-482.

Triffterer L, Marhofer P, Sulyok I, Keplinger M, Mair S, Steinberger M, Klug W, Kimberger O. Forced-Air Warming during Pediatric Surgery: A Randomized Comparison of a Compressible with a Noncompressible Warming System. *Anesthesia and Analgesia* 2016; 122 (1) 219-225

Trojankowska A; Cholewka A, Rzany M, Stanek A, Sieron-Stolny K, Kawecki M, Marcol W. Thermal imaging in the evaluation of the carpal tunnel syndrome. *Thermology international* 2016, 26 (Supplement) S14

trough receivers under laboratory conditions. *Energy Procedia* 2015; 69: 310-319

Truong M-D, Choi BH, Kim YJ, Kim MS, Min B-H. Granulocyte macrophage – colony stimulating factor (GM-CSF) significantly enhances articular cartilage repair potential by microfracture. *Osteoarthritis and Cartilage* 2017, 25 (8): 1345-1352.

Tsaganos T, Tseti IK, Tziolos N, Soumelas G-S, Koupetori M, Pyrpasopoulou A, Akinosoglou K, Gogos C, Tsokos N, Karagiannis A, Sympardi S, Giamarellos-Bourboulis EJ. Randomized controlled multicentre clinical trial of the antipyretic effect of intravenous paracetamol in patients admitted to hospital with infection. *British Journal of Clinical Pharmacology* 2017, 83 (4): 742-750.

Tsai K-S, Chen Y-H, Chen H-Y, Shen E-Y, Lee Y-C, Shen J-L, Wu S-Y, Lin J-G, Chen Y-H, Chen W-C. Antipruritic effect of cold stimulation at the Quchi Acupoint (LI11) in Mice. *BMC Complementary and Alternative Medicine* 2014; 14 (1) Art. No. 341.

Tsai WK, Koruth J, Reddy V.Y. Esophageal heating is not limited to left atrial ablation. *Circulation: Arrhythmia and Electrophysiology* 2014; 7 (1): 178-179.

Tse J, Rand C, Carroll M, Charnay A, Gordon S, Morales B, Vitez S, Le M, Weese-Mayer D. Determining peripheral skin temperature: Subjective versus objective measurements. *Acta Paediatrica International Journal of Paediatrics* 2016; 105 (3) e126-e131

Tseng L-S, Chen S-H, Lin M-T, Lin Y-C. Umbilical cord blood-derived stem cells improve heat tolerance and hypothalamic damage in heat stressed mice. *BioMed Research International* 2014; 2014, Art. No. 685683.

Tsoumakidou G, Too CW, Garnon J, Steib J-P, Gangi A. Treatment of a spinal aneurysmal bone cyst using combined image-guided cryoablation and cementoplasty. *Skeletal Radiology* 2015; 44 (2) 285-289. (Epub 2014 Aug 5.)

Tsui B.C, Ma L, Cheung S, Ozelsel T. Alcohol swabs as "Cold Test" in a measure of temperature sensation in the skin *Regional Anesthesia and Pain Medicine* 2014; 39 (6): 561-562.

Tsuji M, Kume M, Tuneoka H, Yoshida T. Differences in the heat stress associated with white sportswear and being semi-nude in exercising humans under conditions of radiant heat and wind at a wet bulb globe temperature of greater than 28 °C. *International Journal of Biometeorology* 2014; 58 (6): 1393-1402.

Tsukamoto T, Shimono T, Sai A, Sakai K, Yamamoto A, Sakamoto S, Miki Y. Assessment of brain temperatures during different phases of the menstrual cycle using diffusion-weighted imaging thermometry. *Japanese Journal of Radiology* 2016; 34 (4) 277-283

Tsukita K, Sakamaki-Tsukita H, Suenaga T. Convergence spasm: The importance of infrared videotaping. *Internal Medicine* 2017, 56 (7), p. 883.

Tsuru D, Sakuraj S, Nakamura S, Ozaki H, Seki Y, Yokoyama K, Suzuki S. Development of residual thermal stress-relieving structure of CFC monoblock target for JT-60SA divertor. *Fusion Engineering and Design* 2015; 98-

- Tsutsunj J, Matsuoka S, Yamada T, Hasegawa T. Gate-modulation imaging of organic thin-film transistor arrays: Visualization of distributed mobility and dead pixels. *Organic Electronics* 2015; 25: 289-294
- Tsuyuki S, Senda N, Kanng Y, Yamaguchi A, Yoshibayashi H, Kikawa Y, Katakami N, Kato H, Hashimoto T, Okuno T, Yamauchi A, Inamoto T. Evaluation of the effect of compression therapy using surgical gloves on nanoparticle albumin-bound paclitaxel-induced peripheral neuropathy: a phase II multicenter study by the Kamigata Breast Cancer Study Group. *Breast Cancer Research and Treatment* 2016; 160 (1) 61-67
- Tu W.-Z, Cheng R.-D, Hu J, Wang J.-Z, Lin H.-Y, Zou E.-M, Wang W.-S, Lou X.-F, Jiang S.-H. Combination treatment with Gua Sha and Blood-letting causes attenuation of systemic inflammation activated coagulation tissue ischemia and injury during heatstroke in rats. *Chinese Journal of Integrative Medicine* 2014; 21 (8): 610-617.
- Tuçcu-Demiröz F. Development of in situ poloxamer-chitosan hydrogels for vaginal drug delivery of benzydamine hydrochloride: Textural mucoadhesive and in vitro release properties. *Marmara Pharmaceutical Journal* 2017, 21 (4): 762-770.
- Tujjar O, De Gaudio AR, Tofani L, Di Filippo A. Effects of prolonged ischemia on human skeletal muscle microcirculation as assessed by near-infrared spectroscopy. *Journal of Clinical Monitoring and Computing* 2017, 31 (3): 581-588.
- Tumilty L, Davison G, Beckmann M, Thatcher R. Failure of oral tyrosine supplementation to improve exercise performance in the heat. *Medicine and Science in Sports and Exercise* 2014; 46 (7): 1417-1425.
- tumors in mice with nanosecond pulsed electric fields. *Bioelectrochemistry* 2014; 100, 62-68.
- Turtiainen J, Halonen J, Syväoja S, Hakala T. Rewarming a patient with accidental hypothermia and cardiac arrest using thoracic lavage. *Annals of Thoracic Surgery* 2014; 97 (6): 2165-2166.
- Tusor N, Edwards AD. Birth Asphyxia: 100 Years of Progress. *Journal of Pediatrics* 2014; 165 (6): 1081- 1083.
- Tyler WJ, Boasso AM, Mortimore HM, Silva RS, Charlesworth JD, Marlin MA, Aebersold K, Aven L, Wetmore DZ, Pal SK. Transdermal neuromodulation of noradrenergic activity suppresses psychophysiological and biochemical stress responses in humans. *Scientific Reports* 2015; 5: 13865
- Tysen A, Vomhoff H, Nilsson L. The influence of grammage and pulp type on through air drying. *Nordic Pulp & Paper Research Journal* 2015; 30(4): 651-659
- Tysen A, Vomhoff H. Method for the quantification of in-plane drying non-uniformity. *Nordic Pulp & Paper Research Journal* 2015; 30(2): 286-295
- Ugbolue UC, Nicol AC. An assessment of hand volumetric and temperature changes during office related repetitive activities. *Work* 2014; 48 (1): 53-64.
- Uhrig L, Ciobanu L, Djemai B, Le Bihan D, Jarraya B. Sedation agents differentially modulate cortical and subcortical blood oxygenation: Evidence from ultra-high field MRI at 17.2 T. *PLoS ONE* 2014; 9 (7), art. no. e100323.
- Ujii H, Kato T, Hu H-P, Patel P, Wada H, Fujino K, Weersink R, Nguyen E, Cypel M, Pierre A, de Perrot M, Darling G, Waddell TK, Keshavjee S, Yasufuku K. A novel minimally invasive near-infrared thoracoscopic localization technique of small pulmonary nodules: A phase I feasibility trial. *Journal of Thoracic and Cardiovascular Surgery* 2017, 154 (2): 702-711.
- Ullah H, Khan MF, Jan SU, Hashmat F. Depletion of GSH in human blood plasma and cytosolic fraction during cadmium toxicity is temperature and pH dependent. *Pakistan Journal of Pharmaceutical Sciences* 2016; 29 (1) 89-95
- Ullmer D, Peschke P, Terzis A, Ott P, Weigand B. Impact of ns-DBD plasma actuation on the boundary layer transition using convective heat transfer measurements. *Journal of Physics D-Applied Physics* 2015; 48(3) 365203
- Urakov A, Nasyrov M, Chernova L. How fingers became warm after cooling (extended abstract). *Thermology international* 2015, 25(3) 123.
- Urakov A, Urakova N, Kasatkin A, Reshetnikov A. Infrared thermography skin at the injection site as a way of timely detection injection disease (extended abstract). *Thermology international* 2015, 25(1) 30
- Urakov A, Urakova N. A new way obstetric care with the use of infrared thermography the head of the fetus during the final stage of childbirth (extended abstract). *Thermology international* 2015, 25(1) 20
- Urakov A, Urakova N. Thermography provides information on the oxygenation of the fetal brain in the final stage of childbirth (extended abstract). *Thermology international* 2015, 25(3) 106
- Urakov A. Thermology is the basis of medicine since ancient times. *Thermology International* 2017, 27 (2): 78-79.
- Urakov AL, Ammer K, Urakova NA, Chernova LV, Fisher EL. Infrared Thermography Can Discriminate the Cause of Skin Discolourations. *Thermology international* 2015, 25(4) 209-215
- Urakov AL, Kasatkin AA, Urakova NA, Ammer K. Infrared thermographic investigation of fingers and palms during and after application of cuff occlusion test in patients with hemorrhagic shock. *Thermology International* 2014; 24 (1): 5-10.

Urakov AL, Kasatkin AA, Urakova NA, Urakova TV. Cold sodium chloride solution 09+ACU- and infrared thermography can be an alternative to radiopaque contrast agents in phlebography. *Journal of Pharmacology and Pharmacotherapeutics* 2016; 7 (3) 138-139

Urakov AL, Urakova NA, Chernova LV, Fischer EL, Nasyrov MR. Infrared thermography forearm skin in places intradermal injections of blood or solutions of drugs before and after the appearance of the bruise (extended abstract). *Thermology international* 2015, 25(2) 66-67.

Urakov AL, Urakova NA, Reshenikov AP, Kopylow VV, Gabdrafikov RR. Thermal imaging predicts the eruption of the first milk tooth in infants (extended abstract). *Thermology international* 2017; 27 (2) 72-73

Urakov AL, Urakova NA. Temperature of the site of injection in subjects with suspected "Injection disease" (extended abstract). *Thermology international* 2014; 24(2) 63-64.

Urakova NA, Urakov AL. Diagnosis of Intrauterine Brain Hypoxia Using Thermal Imaging Video Monitoring of the Fetus. *Biomedical Engineering* 2014; 48 (3): 111-115.

Urakov AL; Urakova TV, Kasatkin AA. Infrared thermography to assess the blood donors' adaptation to blood loss (extended abstract). *Thermology international* 2016, 26 (Supplement) S13

Urfalioglu A, Arslan M, Duman Y, Gisi G, Oksuz G, Yildiz H, Oksuz H, Balaban A. Anesthesia procedure for congenital insensitivity to pain in a child with anhidrosis syndrome: A rare case. *Journal of Nippon Medical School* 2017, 84 (5): 237-240.

Uribe P, Rojas C, Meriño J, Zambrano F, Villegas JV, Treulen F, Boguen R, Isachenko V, Isachenko E, Sánchez R. Effect of incubation temperature after devitrification on quality parameters in human sperm cells. *Cryobiology* 2017, 79: 78-81

Usuki H, Nishiura B, Wada Y, Uemura J, Noge S, Maeda N, Nishimura M, Asano E, Ohshima M, Yamamoto N, Akamoto S, Fujiwara M, Okano K, Suzuki Y. Thermographic examination for hypothermia in high altitude. (extended abstract). *Thermology international* 2015, 25(3) 114.

Uzoma MA, Wilkerson MG, Carr VL, Westhoven GS, Raimer SAS. Pentoxifylline and cyclosporine in the treatment of febrile ulceronecrotic Mucha-Habermann disease. *Pediatric Dermatology* 2014; 31 (4): 525-527.

Uzunov TS, Grozdanova R, Popova E, Uzunov T. Thermal changes in the hard dental tissue at diode laser root canal treatment. *Acta Medica Bulgarica* 2014; 41 (2): 31-35.

Vagedes J, Moellenbruck G, Martin J, Poets CF. High resolution infrared thermographic imaging of breast and bottle fed infants during feeding— a pilot study. (abstract). *Thermology international* 2015, 25(1) 18

Vagedes J, Simmance C, Möllenbruck G, Weik J, Ruckgaber KH, Hautzinger M. Change of body warmth distribution in patients with anorexia nervosa after inpatient treatment? (abstract). *Thermology international* 2015, 25(1) 18-19

Vagge A, Capris P, Traverso CE. Choroidal abnormalities detected by near-infrared imaging (NIR) in pediatric patients with neurofibromatosis type 1 (NF1). *Investigative Ophthalmology and Visual Science* 2016; 57 (3), p 774

Vaghefi K, Ahlborn TM, Harris DK, Brooks CN. Combined Imaging Technologies for Concrete Bridge Deck Condition Assessment. *Journal of Performance of Constructed Facilities* 2015; 29(4) 04014102

Vainer BG, Markel AL. Systemic vascular response to brachial arteries crossclamping may prognosticate the outcome of remote ischemic preconditioning. *Medical Hypotheses* 2015; 84(4): 298-300

Vallecillos L, Borrull F, Pocurull E. On-line coupling of solid-phase extraction to gas chromatography-mass spectrometry to determine musk fragrances in wastewater. *Journal of Chromatography A* 2014; 1364: 1-11.

Vallo S, Eichler K, Kelly K, Schulz B, Bartsch G, Haferkamp A, Vogl TJ, Zangos S. MR-guided laser- induced thermotherapy in ex vivo porcine kidney: Comparison of four different imaging sequences. *Lasers in Surgery and Medicine* 2014; 46 (7) 558-562.

Van Breugel JMM, De Greef M, Wijlemans JW, Schubert G, Van Den Bosch MAAJ, Moonen CTW, Ries MG. Thermal ablation of a confluent lesion in the porcine kidney with a clinically available MR-HIFU system. *Physics in Medicine and Biology* 2017, 62 (13): 5312-5326.

Van Den Bos W, Scheffer HJ, Vogel JA, Wagstaff PGK, De Bruin DM, De Jong MC, Van Gemert MJC, De La Rosette JJMCH, Meijerink MR, Klaessens JH, Verdaasdonk RM. Thermal Energy during Irreversible Electroporation and the Influence of Different Ablation Parameters. *Journal of Vascular and Interventional Radiology* 2016; 27 (3) 433-443

van der Heijden DJ, van Leeuwen MA, Janssens GN, Lenzen MJ, van de Ven PM, Eringa EC, van Royen N. Body mass index is associated with microvascular endothelial dysfunction in patients with treated metabolic risk factors and suspected coronary artery disease. *Journal of the American Heart Association* 2017, 6(9) Article Number: e006082.

van der Lans AAJJ, Wierts R, Vosselman MJ, Schrauwen P, Brans B, van Marken Lichtenbelt WD. Cold- activated brown adipose tissue in human adults: Methodological issues. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2014; 307 (2) R103- R113.

van der Veen PHE. A theoretical model of biochemical control engineering based on the relation between

oestrogens/progestagens and prostaglandins. *Medical Hypotheses* 2015; 84(6): 557-569

van der Veen PHE. Abdominal Wall Pain: Effects of Placebo Measured With Infrared Thermography. *Thermology international* 2014; 24(4) 156-165

Van Der Veen PHE. Infrared thermography for pain influenced by a Xanthine derivative: An attempt to assess chronic pain objectively. *Thermology International* 2014; 24 (2): 39-48.

Van der Vinne V, Simons MJP, Reimert I, Gerkema MP. Temporal niche switching and reduced nest attendance in response to heat dissipation limits in lactating common voles (*Microtus arvalis*). *Physiology and Behavior* 2014; 128: 295-302.

van der Weijden MAC, van Vugt LM, Valk D, Wisselink W, van Vugt RM, Voskuyl AE, Lems WF. Exploring thermography: a promising tool in differentiation between infection and ischemia of the acra in systemic sclerosis. *International Journal of Rheumatic Diseases* 2017, 20 (12): 2190-2193.

van der Weijden MAC, van Vugt LM, Valk D, Wisselink W, van Vugt RM, Voskuyl AE, Lems WF. Exploring thermography: A promising tool in differentiation between infection and ischemia of the acra in systemic sclerosis. *International Journal of Rheumatic Diseases* Article in Press

Van Doormalen JP.CM, Tessarolo F, Kopinga K. Measurements of only pressure and temperature are insufficient to monitor steam sterilization processes: A case study [Druck- und Temperaturmessungen alleine sind zur Überwachung der Dampfsterilisation nicht ausreichend - eine Fallstudie].

van Genderen ME, Paauwe J, de Jonge J, van der Valk RJP, Lima A, Bakker J, van Bommel J. Clinical assessment of peripheral perfusion to predict postoperative complications after major abdominal surgery early: A prospective observational study in adults. *Critical Care* 2014; 18 (3) Art. No. R114.

Van Haren RM, Thorson CM, Valle EJ, Busko AM, Jouria JM, Livingstone AS, Namias N, Schulman CI, Proctor KG. Novel prehospital monitor with injury acuity alarm to identify trauma patients who require lifesaving intervention. *Journal of Trauma and Acute Care Surgery* 2014; 76 (3): 743-749.

van Hove RP, Brohet RM, van Royen BJ, Nolte PA. No clinical benefit of titanium nitride coating in cementless mobile-bearing total knee arthroplasty. *Knee Surgery Sports Traumatology Arthroscopy* 2014; 23 (6), art. no. 3359: 1833-1840.

van Netten JJ, Price PE, Lavery LA, Monteiro-Soares M, Rasmussen A, Jubiz Y, Bus SA. Prevention of foot ulcers in the at-risk patient with diabetes: A systematic review. *Diabetes/Metabolism Research and Reviews* 2016; 32 84-98

Van Netten JJ, Prijs M, Van Baal JG, Liu C, Van Der Heijden F, Bus SA. Diagnostic values for skin temperature assessment to detect diabetes-related foot complications. *Diabetes Technology and Therapeutics* 2014; 16 (11): 714-721.

Van Rhooon GC, Paulides MM, Van Holthe JML, Franckena M. Hyperthermia by electromagnetic fields to enhanced clinical results in oncology. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS 2016; 2016-October art no 7590714 359-362*

Van Rhooon GC. Is CEM43 still a relevant thermal dose parameter for hyperthermia treatment monitoring? *International Journal of Hyperthermia* 2016; 32 (1) 50-62

Van Rijt LS, Gouveia L, Logiantara A, Canbaz D, Opstelten D.-J, Van Der Kleij HPM, Van Ree R. Birch pollen immunotherapy in mice: Inhibition of Th2 inflammation is not sufficient to decrease airway hyper- reactivity. *International Archives of Allergy and Immunology* 2014; 165 (2): 128-139.

Vanhatalo S, Alnajjar A, Nguyen VT, Colditz P, Fransson P. Safety of EEG-fMRI recordings in newborn infants at 3T: A study using a baby-size phantom. *Clinical Neurophysiology* 2014; 125 (5): 941-946.

Vanlangenhove P, Dhondt E, Everaert K, Defreyne L. Pathophysiology diagnosis and treatment of varicoceles: A review. *Minerva Urologica e Nefrologica* 2014; 66 (4): 257-282.

Vannetti F, Matteoli S, Finocchio L, Lacarbonara F, Sodi A, Menchini U, Corvi A. Relationship between ocular surface temperature and peripheral vasoconstriction in healthy subjects: A thermographic study. *Proceedings of the Institution of Mechanical Engineers Part H: Journal of Engineering in Medicine* 2014; 228 (3): 297-302.

Vanniamparambil PA, Guclu U, Kotsos A. Identification of Crack initiation in Aluminum Alloys using Acoustic Emission. *Experimental Mechanics* 2015; 55(5): 837-850

Varaksin AY, Glubokov AV, Protasov MV, Romash ME, Kopeitsev VN, Romash EV. Display of Free Concentrated Fire Vortices by Means of a Thermograph. *Measurement Techniques* 2015; 58(7): 777-781

Varaksin AY, Glubokov AV, Protasov MV, Romash ME, Kopeitsev VN, Romash EV. Display of Free Concentrated Fire Vortices by Means of a Thermograph. *Measurement Techniques* 2015; 58(7): 777-781

Vardasca R- Measuring human body temperature using infrared in the forehead and inner canthi of the eye versus tympanic, forehead and axilla thermometers (abstract). *Thermology international* 2016, 26(2) 64

Vardasca R, Dominques A.S, Gabriel J. Case study in thermal monitoring of physiotherapy treatments to ankle sprains in rugby athletes. (extended abstract). *Thermology international* 2015, 25(2) 72.

Vardasca R, Gabriel J, Is the low cost thermal camera FLIR C2 suitable for medical thermal measurements?

(extended abstract). *Thermology international* 2016, 26 (Supplement) S5

Vardasca R, Gabriel J, Plassmann P, Ring F, Jones C. Comparison of Different Image Enhancing Techniques for Medical Thermal Images. *Journal of Medical Imaging and Health Informatics* 2015; 5(4): 709-714

Vardasca R, Gabriel J. From thermal radiation at skin surface to image temperature values (extended abstract). *Thermology international* 2015, 25(3) 97

Vardasca R, Marques A, Carvalho R, Gabriel J. Thermal Physiological Characterization of Diabetic Foot (extended abstract). *Thermology international* 2015, 25(3) 118-119.

Vardasca R, Marques AR, Diz J, Seixas A, Mendes J, Ring EFJ. The influence of angles and distance on assessing inner-canthi of the eye skin temperature. *Thermology International* 2017, 27 (4): 130-135.

Vardasca R, Mendes J. The reliability and repeatability of low cost infrared camera for clinical use (extended abstract). *Thermology international* 2017; 27 (2) 69

Vardasca R, Ring F, Plassmann P, Jones C, Gabriel J. Medical Thermal Imaging Procedure for Hand RSI Identification. In: Arezes P, Baptista JS, Barroso MP, Carneiro P, Cordeiro P, Costa N, Melo R, Miguel AS, Perestrelo G, eds. *Proceedings of the International Symposium on Occupational Safety and Hygiene (SHO)*, FEB 12-13 2015, Guimaraes Portugal 2015: 418-420

Vardasca R, Seixas A, Gabriel J, Vilas-Boas J. Thermographic evaluation of swimming techniques (extended abstract). *Thermology international* 2015, 25(3) 125-126.

Vardasca R. A review on the role of medical thermography in breast cancer imaging. *Thermology International* 2016; 26 (3) 75-79

Vardasca R. High agreement between traditional and thermographic evaluation of the tuberculin skin test. Review of a paper by Fiz JA et al. *Computer Methods and Programs in Biomedicine* 2015, 122(2) 199-206. *Thermology international* 2016, 26(2) 55-56

Vardasca R. Medical Thermography Introductory Course in Portugal November 2015. *Thermology international* 2016, 26(2) 59-60

Vargas CR, Nguyen JT, Ashitate Y, Angelo J, Venugopal V, Kettenring F, Neacsu F, Frangioni JV, Gioux S, Lee BT. Intraoperative Hemifacial Composite Flap Perfusion Assessment Using Spatial Frequency Domain Imaging: A Pilot Study in Preparation for Facial Transplantation. *Annals of Plastic Surgery* 2016; 76 (2) 249-255

Varma VK, Kajdacsy-Balla A, Akkina SK, Setty S, Walsh MJ. A label-free approach by infrared spectroscopic imaging for interrogating the biochemistry of diabetic nephropathy progression. *Kidney International* 2016; 89 (5) 1153-1159

Varner J, Dearing MD. The importance of biologically relevant microclimates in habitat suitability assessments. *PLoS ONE* 2014; 9 (8), art. no. e104648.

Varon J, Polderman K. Targeted temperature management after cardiac arrest [6] *New England Journal of Medicine* 2014; 370 (14): 1358-1359.

Vasefi F, MacKinnon N, Farkas DL, Kateb B. Review of the potential of optical technologies for cancer diagnosis in neurosurgery: A step toward intraoperative neurophotonics. *Neurophotonics* 2017, 4 (1), art. no. 011010.

Vavilov V, Swiderski W, Derusova D. Ultrasonic and optical stimulation in IR thermographic NDT of impact damage in carbon composites. *Quantitative Infrared Thermography Journal* 2015; 12(2): 162-172

Vavilov VP, Budadin ON, Kulkov AA. Infrared thermographic evaluation of large composite grid parts subjected to axial loading. *Polymer Testing* 2015; 41: 55-62

Vavilov VP, Burleigh DD. Review of pulsed thermal NDT: Physical principles theory and data processing. *NDT & E International* 2015; 73: 28-52

Vavilov VP, Pawar SS. A novel approach for one-sided thermal nondestructive testing of composites by using Infrared thermography. *Polymer Testing* 2015; 44: 224-233

Vavilov VP, Plesovskikh AV, Chulkov AO, Nesteruk DA. A complex approach to the development of the method and equipment for thermal nondestructive testing of CFRP cylindrical parts. *Composites Part B- Engineering* 2015;

Vavilov VP, Shiryayev VV, Chulkov AO. A novel data processing algorithm in thermal property measurement and defect detection by using one-sided active infrared thermography. In Hsieh SI, Zalameda JN, eds *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23, 2015, Baltimore MD, 2015; pp. 94850V-94850V-7.

Vavilov VP. Dynamic thermal tomography: Recent improvements and applications. *NDT & E International* 2015; 71: 23-32

Vavra P, Penhaker M, Grepl J, Jurcikova J, Palecek J, Crha M, Nowakova J, Hasal M, Skrobankova M, Ostruszka P, Ihnat P, Delongova P, Salounova D, Habib NA, Zonca P. Technical development of a new semispherical radiofrequency bipolar device (RONJA): Ex vivo and in vivo studies. *BioMed Research International* 2014; Art. No. 532792.

Vazquez P, Thomachot-Schneider C, Mouhoubi K, Fronteau G, Gommeaux M, Benavente D, Barbin V, Bodnar JL. [Infrared thermography monitoring of the NaCl crystallisation process. *Infrared Physics & Technology* 2015; 71:](#)

- Végh T, Juhász M, László, I, Vaskó, A, Tassonyi E, Fülesdi B. Clinical observations on reversal of rocuronium-induced residual neuromuscular blockade by sugammadex after thoracic surgery [Observații clinice privind antagonizarea cu sugammadex a blocului neuromuscular cu rocuronium în chirurgia toracică]. *Jurnalul Roman de Anestezie Terapie Intensiva/Romanian Journal of Anaesthesia and Intensive Care* 2014; 21 (1) 7-11.
- Veikutis V, Stasiukynaitė K, Monstavičius E, Sakalauskaitė. Plantar thermography as a diagnostic and prognostic tool for diabetic foot (extended abstract). *Thermology international* 2015, 25(3) 118.
- Velichkova H, Kotsilkov S, Ivanov E, Kotsilkova R, Gyoshev S, Stoimenov N, Vitanov NK. Release of carbon nanoparticles of different size and shape from nanocomposite poly(lactic) acid film into food simulants. *Food Additives and Contaminants - Part A Chemistry Analysis Control Exposure and Risk Assessment* 2017, 34 (6): 1072-1085.
- Veltmeijer MT, Pluim B, Thijssen DH, Hopman MT, Eijsvogels TM. Thermoregulatory responses in wheelchair tennis players: A pilot study. *Spinal Cord* 2014; 52 (5): 373-377.
- Veltmeijer MTW, Eijsvogels TMH, Barteling W, Verbeek-Knobbe K, van Heerde WL, Hopman MTE. The impact of exercise-induced core body temperature elevations on coagulation responses. *Journal of Science and Medicine in Sport* 2017, 20 (2): 202-207.
- Vencato J, Cestaro L, Vazzana I, Carrer G, Carlo E, Dara S, Stelletta C. Integrated Evaluation of Scrotal Temperature and Testosteronemia after GnRH Administration in Young Bulls with Low Semen. *Production. Reproduction in Domestic Animals* 2014; 49 (3): 481-486.
- Venckunas T, Trinkunas E, Kamandulis S, Poderys J, Grunovas A, Brazaitis M. Effect of lower body compression garments on hemodynamics in response to running session. *Scientific World Journal* 2014; art. no. 353040.
- Venna N, Niles JL, Lev MH, Frosch MP. Case 21-2014: A 68-year-old man with a sudden onset of diplopia. *New England Journal of Medicine* 2014; 371 (2): 162-173.
- Vereshchetin P, McCann TW, Ojha N, Venugopalan R, Levy BL. Re: Reported insulin pump temperature fluctuations lack clinical relevance. *Medical Devices: Evidence and Research* 2017, 10: 45-46.
- Verhaart RF, Rijnen Z, Fortunati V, Verduijn GM, Walsum TV, Veenland JF, Paulides MM. Temperature simulations in hyperthermia treatment planning of the head and neck region: Rigorous optimization of tissue properties [Temperatursimulation in der Hyperthermiebehandlungsplanung der Kopf- und Halsregion: Rigorose Optimierung der Gewebeeigenschaften]. *Strahlentherapie und Onkologie* 2014; 190 (12) 1117-1124.
- Verhofstede R, Smets T, Cohen J, Eecloo K, Costantini M, Van Den Noortgate N, Deliens L. End-of-Life Care and Quality of Dying in 23 Acute Geriatric Hospital Wards in Flanders Belgium. *Journal of Pain and Symptom Management* 2017, 53 (4): 693-702.
- Verma GK, Tiwary US. Multimodal fusion framework: A multiresolution approach for emotion classification and recognition from physiological signals. *NeuroImage* 2014; 102 (P1): 162-172.
- Verma SK, Lal M, Debnath Das M. Optimization of process parameters for production of antimicrobial metabolites by an endophytic fungus *Aspergillus* sp. CPR5 isolated from *Calotropis Procera* root. *Asian Journal of Pharmaceutical and Clinical Research* 2017, 10 (4): 225-230.
- Vermeulen S, Barreto M, La Penna F, Prete A, Martella S, Biagiarelli F, Villa MP. Exhaled breath temperature in children: Reproducibility and influencing factors. *Journal of Asthma* 2014; 51 (7): 743-750.
- Versura P, Giannaccare G, Fresina M, Campos EC. Subjective Discomfort Symptoms Are Related to Low Corneal Temperature in Patients With Evaporative Dry Eye. *Cornea* 2015; 34(9): 1079-1085
- Vesenjak M, Gacnik F, Krstulovic-Opara L, Ren Z. Mechanical Properties of Advanced Pore Morphology Foam Elements. *Mechanics of Advanced Materials and Structures* 2015; 22(5): 359-366
- Vesenjak M, Hokamoto K, Anzel I, Sato A, Tsunoda R, Krstulovic-Opara L, Ren. Influence of the explosive treatment on the mechanical properties and microstructure of copper. *Materials & Design* 2015; 75: 85-94
- Vesnovsky O, Timmie Topoleski LD, Grossman LW, Casamento JP, Zhu L. Performance testing of fast read digital thermometers. *Journal of Medical Devices Transactions of the ASME* 2014; 8 (3), art. no. 030905.
- Vespa PM. Fever in critical neurologic illness. *JAMA - Journal of the American Medical Association* 2014; 312 (14): 1456-1457.
- Viain A, Guillemette M. Does water temperature affect the timing and duration of remigial moult in sea ducks? An experimental approach. *PLoS ONE* 2016; 11 (5), art no e0155253
- Viapiana R, Baluci CA, Tanomaru-Filho M, Camilleri J. Investigation of chemical changes in sealers during application of the warm vertical compaction technique. *International Endodontic Journal* 2015, 48(1), 16-27.
- Vicari Nogueira C, De Barros Fernandez C, Brioschi M, Pere Barret J. Infrared Thermography in Plastic Surgery: A Comparative Study of Pre and Postoperative in different techniques of Abdominoplasty (extended abstract). *Thermology international* 2015, 25(3) 105-106
- Vicari Nogueira C, De Barros Fernandez C, Brioschi M, Pere Barret J. Infrared Thermography in Plastic Surgery: A Comparative Study of Pre and Postoperative in different techniques of Abdominoplasty (extended abstract).

Thermology international 2015, 25(3) 105-106

Vidyarthi AR, Dhaliwal G, Monash B, Shum KL, Lee J, Zaas AK. Hot in the tropics. *Journal of Hospital Medicine* 2017, 12 (6): 462-466.

Vieites-Prado A, Iglesias-Rey R, Fernández-Susavilla H, Da Silva-Candal A, Rodríguez-Castro E, Gröhn OHJ, Wellmann S, Sobrino T, Castillo J, Campos F. Protective Effects and Magnetic Resonance Imaging Temperature Mapping of Systemic and Focal Hypothermia in Cerebral Ischemia. *Stroke* 2016; 47 (9) 2386-2396

Viglianti BL, Dewhirst MW, Abraham JP, Gorman JM, Sparrow EM. Rationalization of thermal injury quantification methods: Application to skin burns. *Burns* 2014; 40 (5) 896-902.

Vilčeková, S, Apostoloski IZ, Mečiarová, L, Burdová EK, Kiseľák J. Investigation of indoor air quality in houses of Macedonia. *International Journal of Environmental Research and Public Health* 2017, 14 (1), art. no. 37.

Villalobos-Montiel AJ, Chacon-Murguia MI, Calderon-Contreras JD, Ortega-Maynez L. Automatic Segmentation of Regions of Interest in Breast Thermographic Images. *Pattern Recognition*. Springer International Publishing, 2015. S. 135-144.

Villasenor-Mora C, Rabell-Montiel A, Gonzalez-Vega A, Gutierrez-Juarez G. Volumetric liquid flow measurement through thermography to simulate blood flow in an artery. In: Tescher AG, ed, *Proceedings of SPIE Conference on Applications of Digital Image Processing XXXVIII*, AUG 10-13, 2015, San Diego CA, 2015; pp. 959923-959923-5.

Vinh NQ, Tani T, Naka S, Yamada A, Murakami K. Thermal tissue change induced by a microwave surgical instrument in a rat hepatectomy model. *American Journal of Surgery* 2016; 211 (1) 189-196

Vinothkumar C, Marshiana D, Samuel Rajesh Babu R. An automated control of distillation column using PLC and SCADA in pharmaceuticals and chemical industries. *Research Journal of Pharmacy and Technology* 2017, 10 (10): 1827-1832.

Viter VI, Vavilov AYU, Urakov AL, Chirkov SV. Infrared thermometry for assessing the onset of mechanical trauma that resulted in bruises or abrasion in living persons: (extended abstract) *Thermology international* 2014; 24(2) 56-58.

Vlek SL, van Dam DA, Rubinstein SM, de Lange-de Klerk ESM, Schoonmade JA, Tuynman JB, Meijerink WJHJ, Ankersmit M. Biliary tract visualization using near-infrared imaging with indocyanine green during laparoscopic cholecystectomy: results of a systematic review. *Surgical Endoscopy and Other Interventional Techniques* 2017, 31 (7): 2731-2742.

Vlek SL, van Dam DA, Rubinstein SM, de Lange-de Klerk ESM, Schoonmade LJ, Tuynman JB, Meijerink WJHJ, Ankersmit M. Biliary tract visualization using near-infrared imaging with indocyanine green during laparoscopic cholecystectomy: results of a systematic review. *Surgical Endoscopy and Other Interventional Techniques* 1-12 Article in Press

Vodonos A, Novack V, Horev A, Abu Salameh I, Lotan Y, Ifergane G. Do Gender and Season Modify the Triggering Effect of Ambient Temperature on Ischemic Stroke? *Women's Health Issues* 2017, 27 (2): 245-251.

Voelker C, Maempel S, Kornadt O. Measuring the human body's microclimate using a thermal manikin. *Indoor Air* 2014; 24 (6): 567-579.

Voicu S, Deye N, Malissin I, Vigué, B, Brun P.-Y, Haik W, Champion S, Megarbane B, Sideris G, Mebazaa A, Carli P, Manivet P, Baud FJ. Influence of α -Stat and pH-Stat blood gas management strategies on cerebral blood flow and oxygenation in patients treated with therapeutic hypothermia after out-of-hospital cardiac arrest: A crossover study. *Critical Care Medicine* 2014; 42 (8): 1849- 1861.

Voight EA, Gomtsyan AR, Daanen JF, Perner RJ, Schmidt RG, Bayburt EK, Didomenico S, McDonald HA, Puttfarcken PS, Chen J, Neelands TR, Bianchi BR, Han P, Reilly RM, Franklin PH, Segreti JA, Nelson RA, Su Z, King AJ, Polakowski JS, Baker SJ, Gauvin DM, Lewis LR, Mikusa JP, Joshi SK, Faltynek CR, Kym PR, Kort ME. Discovery of (R)-1-(7-chloro-2,2-bis(fluoromethyl)chroman-4-yl)-3-(3-methylisoquinolin-5-yl)urea (a-1165442): A temperature-neutral transient receptor potential vanilloid-1 (trpv1) antagonist with analgesic efficacy. *Journal of Medicinal Chemistry* 2014; 57 (17): 7412-7424.

Voitcovschi-Iosob C, Dalla Volta G, Carli D, Zavarise P, Vollaro S, Antonaci F. Transcranial direct current stimulation: preliminary data in drug resistant migrainous patients. *Cephalalgia*. 2015; 35(Supp 6) 109-110

Voitcovschi-Iosob CV, Antonaci F, Rossi E, Costa A, Sances G, Dalla Volta G. Frontal thermography in healthy individuals and headache patients: reliability of the method. *The Journal of Headache and Pain* 2015, 16(Suppl 1): A122

Voland V, Hoyer U, Auer R, Salamon M, Uhlmann N, Brabec CI. Defect recognition in crystalline silicon solar cells by X-ray tomosynthesis with layer resolution. *Progress in Photovoltaics* 2015; 23(1): 124-130

Voland V, Hoyer U, Auer R, Salamon M, Uhlmann N, Brabec CI. Defect recognition in crystalline silicon solar cells by X-ray tomosynthesis with layer resolution. *Progress in Photovoltaics* 2015; 23(1): 124-130

Voldsgaard Clausen M, Nissen P, Poulsen H. The α 4 isoform of the Na⁺,K⁺-ATPase is tuned for changing extracellular environments. *FEBS Journal* 2016; 283 (2) 282-293

von der Wense A. Dynamic thermographic monitoring of horses during movement (abstract). *Thermology international* 2015, 25(1) 31

von Seidlein L, Ikonomidis K, Mshamu S, Nkya TE, Mukaka M, Pell C, Lindsay SW, Deen JL, Kisinza WN, Knudsen JB. Affordable house designs to improve health in rural Africa: a field study from northeastern Tanzania. *The Lancet Planetary Health* 2017, 1(5): e188-e199.

Von Tempelhoff W, Ulrich F, Schwarzmaier H-J. Interstitial laser irradiation of cerebral gliomas - Neurobiological background technique and typical results. *Photonics and Lasers in Medicine* 2014; 3 (2) 129-141.

Vonk MM, Wagenaar L, Pieters RHH, Knippels LMJ, Willemsen LEM, Smit JJ, Van Esch BCAM, Garssen J. The efficacy of oral and subcutaneous antigen-specific immunotherapy in murine cow's milk- and peanut allergy models. *Clinical and Translational Allergy* 2017, 7 (1), art. no. 35.

Voronina DD, Kulikov AG, Luppova IA, Yarustovskaya OV. The application of general magnetic therapy for the rehabilitation of the patients following the surgical treatment of herniated intervertebral discs [Obshchaia magnitoterapiia v reabilitatsii patsientov posle operativnogo lecheniia gryzh mezhpozvonkovykh diskov]. *Voprosy kurortologii fizioterapii i lechebnoi fizicheskoi kultury* 2017, 94 (2): 24-28.

Voulgarelis S, Scott JP. Monitoring for Nonoperating Room Anesthesia. *Anesthesiology Clinics* 2017, 35 (4): 591-599.

Voumard R, Van Neyghem N, Cochet C, Gardiol C, Decosterd L, Buclin T, de Valliere S. Antibiotic stability related to temperature variations in elastomeric pumps used for outpatient parenteral antimicrobial therapy (OPAT). *Journal of Antimicrobial Chemotherapy* 2017, 72 (5): 1462-1465.

Vural EMS, Van Munster BC, De Rooij SE. Optimal dosages for melatonin supplementation therapy in older adults: A systematic review of current literature. *Drugs and Aging* 2015, 31 (6): 441-451.

Vyles D, Sinha M, Rosenberg DI, Foster KN, Tran M, Drachman D. Predictors of serious bacterial infections in pediatric burn patients with fever. *Journal of Burn Care and Research* 2014; 35 (4): 291-295.

Wackers G, Vandenryt T, Cornelis P, Kellens E, Thoelen R, De Ceuninck W, Losada-Pérez P, van Grinsven B, Peeters M, Wagner P. Array formatting of the heat-transfer method (HTM) for the detection of small organic molecules by molecularly imprinted polymers. *Sensors (Basel Switzerland)* 2014; 14 (6): 11016-11030.

Waddington CS, Darton TC, Woodward WE, Angus B, Levine MM, Pollard AJ. Advancing the management and control of typhoid fever: A review of the historical role of human challenge studies. *Journal of Infection* 2014; 68 (5): 405-418

Wadhwa J, Asthana A, Gupta S, Shilkari Asthana G, Singh R. Development and optimization of polymeric self-emulsifying nanocapsules for localized drug delivery: Design of experiment approach. *Scientific World Journal* 2014; 2014, Art. No. 516069.

Wagner F, Nolte PW, Steudel F, Schweizer S. Thermographic investigation of Luminescent Barium Borate Glasses for White-LED Applications. In: Hsieh SI, Zalameda JN, eds *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23 2015, 2015*; pp. 948516-948516-6.

Wagner MW, Stern SE, Oshmyansky A, Huisman TAGM, Poretti A. The Role of ADC-Based Thermometry in Measuring Brain Intraventricular Temperature in Children. *Journal of Neuroimaging* 2016; 26 (3) 315- 323

Wagner T, Pabst M-A, Leitinger G, Reiter U, Kozma N, Lanzer G, Huppertz B. Impact of constant storage temperatures and multiple warming cycles on the quality of stored red blood cells. *Vox Sanguinis* 2014; 106 (1): 45-54.

Wakabayashi H, Wijayanto T, Lee J.-Y, Hashiguchi N, Saat M, Tochiyama Y. A comparison of hydration effect on body fluid and temperature regulation between Malaysian and Japanese males exercising at mild dehydration in humid heat. *Journal of Physiological Anthropology* 2014; 33 (1), art. no. 5.

Wakeford AGP, Riley AL. Conditioned taste avoidance induced by Δ^9 - tetrahydrocannabinol in the Fischer (F344) and Lewis (LEW) rat strains. *Pharmacology Biochemistry and Behavior* 2014; 116, 39-44.

Wälchli C, Saltzweid G, Krüerke D, Kaufmann C, Schnorr B, Rist L, Eberhard J, Decker M, Simões-Wüst AP. Physiologic effects of rhythmical massage: A prospective exploratory cohort study. *Journal of Alternative and Complementary Medicine* 2014; 20 (6) 507-515.

Walker A, Driller M, Brearley M, Rattray B. Cold-water immersion and iced-slush ingestion are effective at cooling firefighters following a simulated search and rescue task in a hot environment. *Applied Physiology Nutrition and Metabolism* 2014; 39 (10): 1159-1166.

Walker K, Lindeque B. The application of cryoprobe therapy in orthopedic oncology. *Orthopedics* 2014; 37 (8) 536-540.

Walladbegi J, Gellerstedt M, Svanberg A, Jontell M. Innovative intraoral cooling device better tolerated and equally effective as ice cooling. *Cancer Chemotherapy and Pharmacology* 2017, 80 (5): 965-972.

Waltz X, Baillet M, Connes P, Bocage B, Renaudeau D. Effects of hydration level and heat stress on thermoregulatory responses hematological and blood rheological properties in growing pigs. *PLoS ONE* 2014; 9 (7), art. no. e102537.

Waltz X, Baillet M, Connes P, Gourdine J.-L, Philibert L, Beltan E, Chalabi T, Renaudeau D. Effect of heat stress on blood rheology in different pigs breeds. *Clinical Hemorheology and Microcirculation* 2014; 58 (3): 395-402.

- Waner T. Editorial.SOURCE. Israel Journal of Veterinary Medicine 2017, 72(2) 2.
- Wang A, Yuan J, Luo W, Liu M, Luo Q. Optimization of sample cooling temperature for redox cryo- imaging. Journal of Biomedical Optics 2014; 19 (8) Art. No. 080502.
- Wang C, Chen R, Kuang X, Duan X, Kan H. Temperature and daily mortality in Suzhou China: A time series analysis. Science of the Total Environment 2014; 466-467, 985-990.
- Wang C, Huo X, Wang C, Meng Q, Liu Z, Sun P, Cang J, Sun H, Liu K. Organic Anion–Transporting Polypeptide and Efflux Transporter–Mediated Hepatic Uptake and Biliary Excretion of Cilostazol and Its Metabolites in Rats and Humans. Journal of Pharmaceutical Sciences 2017, 106(9) 2515-2523.
- Wang CH, Zhong ZP, Wang XY, Alting SA. Numerical simulation of gas-solid heat transfer behaviour in rectangular spouted bed. Canadian Journal of Chemical Engineering 2015; 93(1)1: 2077-2083
- Wang CL, Wang L, Sunden B. A novel control of jet impingement heat transfer in cross-flow by a vortex generator pair. International Journal of Heat and Mass Transfer 2015; 88: 82-90
- Wang CL, Wang L, Sunden B. Heat transfer and pressure drop in a smooth and ribbed turn region of a two-pass channel. Applied Thermal Engineering 2015; 85: 225-233
- Wang D. Evaluation and improvement of LAMP assays for detection of Escherichia coli serogroups O26, O45, O103, O111, O121, O145, and O157. African Health Sciences 2017, 17 (4): 1011-1021.
- Wang F, Del Ferraro S, Molinaro V, Morrissey M, Rossi R. Assessment of body mapping sportswear using a manikin operated in constant temperature mode and thermoregulatory model control mode. International Journal of Biometeorology 2014; 58 (7): 1673-1682.
- Wang F, Dong Z, Chen S, Chen B, Yang J, Wei X, Wang S, Ying K. Fast temperature estimation from undersampled k-space with fully-sampled center for MR guided microwave ablation. Magnetic Resonance Imaging 2016; 34 (8) 1171-1180
- Wang F, Wu DJ, Zhai GF, Zang LP. Diagnosing Low Health and Wood Borer Attacked Trees of Chinese Arborvitae by Using Thermography. Spectroscopy and Spectral Analysis 2015; 35(1)2: 3410-3415
- Wang F, Xing SI, Jj YP, Yan LP, Liu FP, Dong YC, Wang JF. Leaf structural reddening in smoke tree and its significance. Urban Forestry & Urban Greening 2015; 14(1): 80-88
- Wang G, Deng S, Liu J, Ye C, Zhou X, Chen L. Cell damage caused by ultraviolet B radiation in the desert cyanobacterium Phormidium tenue and its recovery process. Ecotoxicology and Environmental Safety 2017, 144: 315-320.
- Wang H, Magnain C, Sakadžić S, Fischl B, Boas D.A Characterizing the optical properties of human brain tissue with high numerical aperture optical coherence tomography. Biomedical Optics Express 2017, 8(12) 5617-5636
- Wang H, Sun C, Xia XL. Experimental research on coupled heat transfer of a heat source, encapsulated into a subatmospheric hypobaric chamber. Heat Transfer Research 2015; 46(1)2: 1065-1079
- Wang H, Wu J, Zhuo Z, Tang J. A three-dimensional model and numerical simulation regarding thermoseed mediated magnetic induction therapy conformal hyperthermia. Technology and Health Care 2016; 24 S827-S839
- Wang HJ, Hsieh SI, Singh B. Detection of Pinhole Defects in Optical Film using Thermography and Artificial Neural Network. In: Hsieh SI, Zalameda JN, eds Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23 2015, Baltimore MD, 2015; pp. 94850J- 94850J-7.
- Wang HJ, Hsieh SI, Zhou XF, Peng B, Singh B. Using active thermography to inspect pin-hole defects in anti-reflective coating with k-mean clustering. NDT & E International 2015; 76: 66-72
- Wang HJ, Hsieh SI. Comparison of Step Heating and Modulated Frequency Thermography for Detecting Bubble Defects in Colored Acrylic Glass. In: Hsieh SI, Zalameda JN, eds Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23, 2015, Baltimore MD, 2015; pp.94850I-94850I-11.
- Wang JR, Guan Y, Liu CH, Zhu D. Combination of Infrared thermography and reflectance spectroscopy for precise classification of hair follicle stage. In: Tuchin VV, Larin KV, Leahy MJ, Wang RK, eds, Proceedings of SPIE Conference on Dynamics and Fluctuations in Biomedical Photonics XII, FEB 07-08 2015, San Francisco 2015; pp. 932217-932217-7
- Wang K, Gill P, Wolstenholme J, Price CP, Heneghan C, Thompson M, Plüddemann A. Non- contact infrared thermometers for measuring temperature in children: Primary care diagnostic technology update. British Journal of General Practice 2014; 64 (627): e681-e683.
- Wang K, Wang W, Ye R, Liu A, Xiao J, Liu Y, Zhao Y. Mechanical properties and solubility in water of corn starch-collagen composite films: Effect of starch type and concentrations. Food Chemistry 2017, 216: 209-216.
- Wang KY, Jin YJ, Xu MJ, Chen JS, Lu H. Estimation of heat transfer coefficient and phase transformation latent heat by modified pattern search method. International Communications in Heat and Mass Transfer 2015; 68: 14-19
- Wang L, Zhang B, Bao C, Habibovic P, Hu J, Zhang X. Ectopic osteoid and bone formation by three calcium-phosphate ceramics in rats, rabbits and dogs. PLoS ONE 2014; 9 (9) Art. No. e107044.
- Wang L.-X. Initiation of the "abdominal pump" research of cardiopulmonary resuscitation by increasing

intraabdominal pressure. *Medical Journal of Chinese People's Liberation Army* 2014; 39 (10): 767-770.

Wang LV, Gao L. Photoacoustic microscopy and computed tomography: From bench to bedside. *Annual Review of Biomedical Engineering* 2014; 16, 155-185.

Wang M, Singh A, Qureshi H, Leone A, Mascha EJ, Sessler DI. Optimal Depth for Nasopharyngeal Temperature Probe Positioning. *Anesthesia and Analgesia* 2016; 122 (5) 1434-1438

Wang MH, Wu PC, Jiang WJ. Application of Infrared thermography and extension recognize method to intelligent fault diagnosis of distribution panels. *IEEJ Transactions On Electrical and Electronic Engineering* 2015; 10(4): 479-486

Wang N, Liu X, Zheng J, Zhou H. Response to the Letter to the Editor entitled "optimization of the rodent model of polymicrobial sepsis" from Maddison Griffin B. *Biomed. Sci*, Hayley L. Letson MSc and Geoffrey

Wang P. Evaluation of MR thermometry with proton resonance frequency method at 7T. *Quantitative Imaging in Medicine and Surgery* 2017, 7 (2): 259-266.

Wang PH, Chen SP, Su CH, Liao YC. Direct printed silver nanowire thin film patterns for flexible transparent heaters with temperature gradients. *RSC Advances* 2015; 5(1) 98412-98418

Wang Q, Boccanfuso L, Li B, Ahn AY-J, Foster CE, Orr MP, Scassellati B, Shic F. Thermographic eye tracking. *Eye Tracking Research and Applications Symposium (ETRA)* 2016; 14 307-310

Wang Q, Li C, Guo Y, Barnett AG, Tong S, Phung D, Chu C, Dear K, Wang X, Huang C Environmental ambient temperature and blood pressure in adults: A systematic review and meta-analysis. *Science of the Total Environment* 2017, 575: 276-286.

Wang Q-Z, Wang F-F, Zhu H, Sun C-S, Wang Y, Yin X-M, Zhou L, Zhang S-Q, Wang T-P. Dynamic change of population structure of *Oncomelania hupensis*. *Chinese Journal of Schistosomiasis Control* 2017, 29 (4): 426-430.

Wang SC, Anderson JAE, Evans R, Woo K, Beland B, Sasseville D, Moreau L Point-of-care wound visioning technology: Reproducibility and accuracy of a wound measurement app. *PLoS ONE* 2017, 12:8 Article Number: e0183139.

Wang T.-S, Tsai T.-F. Cutaneous irritancy of water. *Reviews on Environmental Health* 2014; 29 (3): 217- 220.

Wang W, Cai Y, Zhang YB, Huang HJ, Huang W, Li HO, Zhang BS, Wang HX. A 3W High-Voltage Single- Chip Green Light-Emitting Diode with Multiple-Cells Network. *Journal of Nanomaterials* 2015, 248191

Wang W, Fruehmann RK, Dulieu-Barton JM. Application of Digital Image Correlation to Address Complex Motions in Thermoelastic Stress Analysis. *Strain* 2015; 51(5): 405-418

Wang W, Pan Z, Mao F, Gong W, Shen L. Evaluation of VIIRS land aerosol model selection with AERONET measurements. *International Journal of Environmental Research and Public Health* 2017, 14 (9), art. no. 1016.

Wang W, Song X, Wang T, Zhang C, Sun L 5-HT(3) Receptor Antagonists for the Prevention of Perioperative Shivering: A Meta-Analysis. *Journal of Clinical Pharmacology* 2017, 57(4) 428-439.

Wang W, Zijlstra RT, Gänzle MG. Identification and quantification of virulence factors of enterotoxigenic *Escherichia coli* by high-resolution melting curve quantitative PCR. *BMC Microbiology* 2017, 17 (1), art. no. 114.

Wang W.-L, Chang J-M, Cai L-P, Shi SQ. Quality improvement of pyrolysis oil from waste rubber by adding sawdust. *Waste Management* 2014; 34 (12): 2603-2610.

Wang X, Chen Q, Tian W, Wang J, Cheng L, Lu J, Chen M, Pei Y, Li C, Chen G, Gu N. Measurement of in vitro single cell temperature by novel thermocouple nanoprobe in acute lung injury models. *Journal of Biomedical Nanotechnology* 2017, 13 (1): 54-60.

Wang X, Cui L, Liu M, Guan Y, Li B, Du H. A study of autonomic dysfunction and sympathetic skin response in motor neuron disease. *Zhonghua yi xue za zhi* 2014; 94 (41): 3224-3228.

Wang X, Liu D, Yang Y, Zhou X, Chai W, Long Y, Zhang H, Zhang Q, He H. The effect of body temperature control on organ function and prognosis in patients with refractory septic shock. *Zhonghua nei ke za zhi* 2014; 53 (4): 293-297.

Wang X, Liu Z Xia J, Cheng H, Webb RC, Bonifas AP, W on P, Jeong J-W, Jang K-I, Song YM, Nardone B, Nodzenski M, Fan JA, Huang Y, West DP, Paller AS, Alam M, Yeo W-H, Rogers JA. Multifunctional skin- like electronics for quantitative clinical monitoring of cutaneous wound healing. *Advanced Healthcare Materials* 2014; 3 (10) 1597-1607.

Wang X, Zhao X, Lin T, Guo H. Thermo-sensitive hydrogel for preventing bowel injury in percutaneous renal radiofrequency ablation. *International Urology and Nephrology* 2016; 48 (10) 1593-1600

Wang XG, Witz JF, El Bartali A, Oudriss A, Jiang C. Quantitative Infrared thermography applied to subgrain scale and the effect of out-of-plane deformation. *Infrared Physics & Technology* 2015; 71: 432- 438

Wang XS, Cleeland CS, Dougherty PM. A quantitative sensory analysis of peripheral neuropathy in colorectal cancer and its exacerbation by oxaliplatin chemotherapy. *Cancer Research* 2014; 74 (21) 5955- 5962.

Wang Y, Bobb JF, Papi B, Wang Y, Kosheleva A, Di Q, Schwartz JD, Dominici F. Heat stroke admissions during heat waves in 1,916 US counties for the period from 1999 to 2010 and their effect modifiers. *Environmental Health:*

A Global Access Science Source 2016; 15 (1), art no 83

Wang YP, Fu HL, Huang QW, Cui Y, Sun Y, Jiang LH. Experimental study of direct contact vaporization heat transfer on, n-pentane-water flowing interface. *Energy*. 2015; 93):854-863

Wang Z-H, Fan C, Myint SW, Wang C. Size Matters: What are the characteristic source areas for urban planning strategies? *PLoS ONE* 2016; 11 (11), art no e0165726

Wang ZX, Lloyd AA, Burket JC, Gourion-Arsiquaud S, Donnelly E. Altered distributions of bone tissue mineral and collagen properties in women with fragility fractures. *Bone* 2016; 84 237-244

Warncke G, Osmer UN, Hauenstein C, Scotland M, Von Osten H, Höhn R, Fischer DC. Therapeutic hypothermia after cardiopulmonary resuscitation in a 4-month infant. *Klinische Padiatrie* 2014; 226 (4): 221-224.

Warner A, Kjellstedt A, Carreras A, Böttcher G, Peng X-R, Seale P, Oakes N, Lindén D. Activation of β 3-adrenoceptors increases in vivo free fatty acid uptake and utilization in brown but not white fat depots in high-fat-fed rats. *American Journal of Physiology - Endocrinology and Metabolism* 2016; 311 (6) E901- E910

Warrillow SJ, Bellomo R. Preventing cerebral oedema in acute liver failure: The case for quadruple-H therapy. *Anaesthesia and Intensive Care* 2014; 42 (1): 78-88.

Wartella KA, Khalilzad-Sharghi V, Kelso ML, Kovar JL, Kaplan DL, Xu H, Othman SF. Multi-modal imaging for assessment of tissue-engineered bone in a critical-sized calvarial defect mouse model. *Journal of Tissue Engineering and Regenerative Medicine* 2017, 11 (6): 1732-1740.

Washio K, Fukunaga A, Terai M, Hitomi K, Yamanishi K, Nishigori C. Hypohidrosis plays a crucial role in the vicious circle of bathing suit ichthyosis: A case with summer exacerbation. *Acta Dermato- Venereologica* 2014; 94 (3): 349-350.

Watanabe J, Ota M, Suwa Y, Ishibe A, Masui H, Nagahori K. Real-time indocyanine green fluorescence imaging-guided complete mesocolic excision in laparoscopic flexural colon cancer surgery. *Diseases of the Colon and Rectum* 2016; 59 (7) 701-705

Watase A, Birgul R, Hiasa S, Matsumoto M, Mitani K, Catbas FN. Practical identification of favorable time windows for Infrared thermography for concrete bridge evaluation. *Construction and Building Materials* 2015; 101: 1016-1030

Water JJ, Schack MM, Velazquez-Campoy A, Maltesen MJ, Van De Weert M, Jorgensen L. Complex coacervates of hyaluronic acid and lysozyme: Effect on protein structure and physical stability. *European Journal of Pharmaceutics and Biopharmaceutics* 2014; 88 (2) 325-331.

Watkins SL, Castle P, Mauger AR, Sculthorpe N, Fitch N, Aldous J, Brewer J, Midgley AW, Taylor L. The effect of different environmental conditions on the decision-making performance of soccer goal line officials. *Research in Sports Medicine* 2014; 22 (4): 425-437.

Watson P, Nichols D, Cordery P. Mouth rinsing with a carbohydrate solution does not influence cycle time trial performance in the heat. *Applied Physiology Nutrition and Metabolism* 2014; 39 (9): 1064-1069.

Webb RC, Pielak RM, Bastien P, Ayers J, Niittynen J, Kurniawan J, Manco M, Lin A, Cho NH, Malyrchuk V, Balooch G, Rogers JA. Thermal Transport Characteristics of Human Skin Measured in Vivo Using Ultrathin Conformal Arrays of Thermal Sensors and Actuators. *PLOS ONE*, 2015; 10(2) e0118131

Weber H, Taviani V, Yoon D, Ghanouni P, Pauly KB, Hargreaves BA. MR thermometry near metallic devices using multispectral imaging. *Magnetic Resonance in Medicine* 2017, 77 (3): 1162-1169.

Weber H, Taviani V, Yoon D, Ghanouni P, Pauly KB, Hargreaves BA. MR thermometry near metallic devices using multispectral imaging. *Magnetic Resonance in Medicine* Article in Press

Weber N, Haase D, Franck U. Zooming into temperature conditions in the city of Leipzig: How do urban built and green structures influence earth surface temperatures in the city? *Science of the Total Environment* 2014; 496: 289-298.

Webster JR, Schuetz KE, Sutherland MA, Stewart M, Mellor DJ. Different animal welfare orientations towards some key research areas of current relevance to pastoral dairy farming in New Zealand. *New Zealand Veterinary Journal* 2015; 63(1): 31-36

Weegman BP, Suszynski TM, Scott WE III, Ferrer Fábrega J, Avgoustiniatos ES, Anazawa T, O'Brien TD, Rizzari MD, Karatzas T, Jie T, Sutherland DER, Hering BJ, Papas KK. Temperature profiles of different cooling methods in porcine pancreas procurement. *Xenotransplantation* 2014; 21 (6): 574-581.

Wei H-N, Jiang L-P, Xiong B, Zhou S, Yu L, Huang Y-M, Liu D-G, Ling W, Song X-N, Zhang X-X, Zhao H-L. Characteristic patterns of normal meridian acupoint temperature. *Journal of the Chinese Medical Association* 2017, 80 (7): 419-426.

Wei W, Wei L, Nie L, Su L, Lu XN. Using active thermography and modified SVM for intelligent diagnosis of solder bumps. *Infrared Physics & Technology* 2015; 72: 163-169

Wei XX, Jia ZD, Sun ZT, Guan ZC, Farzaneh M. Selection of Semiconductive Coatings at Different Ambient Temperatures. *IEEE Transactions On Dielectrics and Electrical insulation* 2015; 22(1): 400-408.

Weiner D. Associations between Serum Biomarkers and Pain and Pain-Related Function in Older Adults with Low

Back Pain: A Pilot Study. *Journal of the American Geriatrics Society* 2014; 62 (11) 2047-2055.

Weiss DJ, Bhatt S, Mappin B, Van Boeckel TP, Smith DL, Hay SI, Gething PW. Air temperature suitability for *Plasmodium falciparum* malaria transmission in Africa 2000-2012: A high-resolution spatiotemporal prediction. *Malaria Journal* 2014; 13 (1), art. no. 171.

Weiss MD, Tang A, Young L, Irwin L, Brophy C, Larsen V, Howard J, Miller C, Douglas-Escobar M. Transporting neonates with hypoxic-ischemic encephalopathy utilizing active hypothermia. *Journal of Neonatal-Perinatal Medicine* 2014; 7 (3): 173-178.

Weiss N, Sosna J, Goldberg SN, Azhari H. Non-invasive temperature monitoring and hyperthermic injury onset detection using X-ray CT during HIFU thermal treatment in ex vivo fatty tissue. *International Journal of Hyperthermia* 2014; 2014; 30 (2) 119-125.

Wells D, Zobel A Gauging the temperature. *Innovations in Pharmaceutical Technology* 2017, 61: 12-14.

Welman S, Tuen AA, Lovegrove BG. Searching for the haplorhine heterotherm: Field and laboratory data of free-ranging tarsiers. *Frontiers in Physiology* 2017, 8, art. no. 745.

Wen D, Zhang X, Lei J. Consumers' perceived attitudes to wearable devices in health monitoring in China: A survey study. *Computer Methods and Programs in Biomedicine* 2017, 140: 131-137.

Wen J, Jiang M, Zhao Z, Ge J, Huang K, Qi S, Huang H, Wang F. Influence of fever on surgical intervention of parapneumonic empyema. *International Journal of Clinical and Experimental Medicine* 2016; 9 (3) 6453-6460

Wen MM, Farid RM, Kassem AA. Nano-proniosomes enhancing the transdermal delivery of mefenamic acid. *Journal of Liposome Research* 2014; 24 (4): 280-289.

Wernik J, Wolosz KI. Study of Heat Transfer in Fins of Pneumatic Pulsator Using Thermal Imaging. *Chemical Engineering* 2015; 45: 985-990

Werschnik H, Ostrowski T, Hilgert J, Schneider M, Schiffer HP. Infrared thermography to study endwall cooling and heat transfer in turbine stator vane passages using the auxiliary wall method and comparison to numerical simulations. *Quantitative Infrared Thermography Journal* 2015; 12(2): 219-236

Wessapan T, Rattanadecho P. Heat Transfer Analysis of the Human Eye During Exposure to Sauna Therapy. *Numerical Heat Transfer Part A-Applications* 2015; 68(5): 566-582

West DJ, Cook CJ, Beaven M.C, Kilduff LP. The influence of the time of day on core temperature and lower body power output in elite rugby union sevens players. *Journal of Strength and Conditioning Research* 2014; 28 (6): 1524-1528.

Weum S, Mercer JB, de Weerd L. Evaluation of dynamic infrared thermography as an alternative to CT angiography for perforator mapping in breast reconstruction: A clinical study. *BMC Medical Imaging* 2016; 16 (1), art no 43

Wexler AD, Sáenz ML, Schreer O, Woisetschläger J, Fuchs EC. The preparation of electrohydrodynamic bridges from polar dielectric liquids. *Journal of Visualized Experiments* (91), art. no. e52028.

White-Newsome JL, Ekwurzel B, Baer-Schultz M, Ebi KL, O'Neill MS, Brooke Anderson G. Survey of county-level heat preparedness and response to the 2011 summer heat in 30 US. States. *Environmental Health Perspectives* 2014; 122 (6): 573-579.

Whitney A. Biofeedback: A way to regain some control over pain. *Journal of Family Practice* 2014; 63 (6): S12-S17.

Wiadomości lekarskie (Warsaw Poland 1960) 2014; 67 (2): 289-293.

Wiecek B. Wavelet transform applications for thermal image processing and medical screening. (extended abstract). *Thermology international* 2015, 25(2) 72-73.

Wiedenmann E, Afrough M, Albert S, Schott R, Tusch J, Wolf A. Long wave Infrared 3D scanner. in: Harding KG, Yoshizawa T, Zhang S, eds, *Proceedings of SPIE T Conference on Dimensional Optical Metrology and inspection for Practical Applications IV*, APR 20-21 2015, CL Baltimore MD, 2015; pp. 952514-952514-11.

Wiedenmann E, Afrough M, Albert S, Schott R, Tusch J, Wolf A. Long wave Infrared 3D scanner. In: Lehmann P, Osten W, Albertazzj GA, eds, *Proceedings of SPIE Conference on Optical Measurement Systems for industrial inspection IX*, JUN 22-25 2015, Munich Germany, 2015; pp. 952514-952514

Wieland M, Emrich D, Bechter M, Leipzig M, Pfitzner A, Knubben-Schweizer G. Aortic thrombosis in a calf [Aortenthrombus bei einem Kalb] *Schweizer Archiv fur Tierheilkunde* 2014; 156 (9): 441- 446.

Wierzbza P, Jędrzejewska-Szczerska M. Spectral reflectance modeling of ZnO layers made with Atomic Layer Deposition for application in optical fiber Fabry-Perot interferometric sensors. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 9448, art. no. 944819.

Wierzbicki AS Sensible economies: Demand management in blood science laboratories. *International Journal of Clinical Practice* 2017, 71(3-4) Article Number: e12942.

Wijlemans JW, de Greef M, Schubert G, Moonen CTW, van den Bosch MAAJ, Ries M. Intrapleural fluid infusion for MR-guided high-intensity focused ultrasound ablation in the liver dome. *Academic Radiology* 2014; 21 (12) 1597-1602.

Wijlens AM, Holloway S, Bus SA, van Netten JJ. An explorative study on the validity of various definitions of a 2.2°C temperature threshold as warning signal for impending diabetic foot ulceration. *International Wound Journal* 2017, 14 (6): 1346-1351.

Wilczek A, Dlugosz P, Hebda M. Porosity Characterization of Aluminium Castings by Using Particular Non-destructive Techniques. *Journal of Nondestructive Evaluation* 2015; 34(3) 1-7

Wilczyński S, Koprowski R, Deda A, Janiczek M, Kuleczka N, Błońska-Fajfrowska B. Thermographic mapping of the skin surface in biometric evaluation of cellulite treatment effectiveness. *Skin Research and Technology* 2017, 23 (1): 61-69.

Wilczynski S. The use of dynamic thermal analysis to distinguish between genuine and counterfeit drugs. *International Journal of Pharmaceutics* 2015; 490(1): 16-21

Wildemeersch S, Jamin P, Orban P, Hermans T, Klepikova M, Nguyen F, Brouyère S, Dassargues A. Coupling heat and chemical tracer experiments for estimating heat transfer parameters in shallow alluvial aquifers. *Journal of Contaminant Hydrology* 2014; 169: 90-99.

Wilhelm K, Wilhelm J, Furl M. Use of thermography to monitor sole haemorrhages and temperature distribution over the claws of dairy cattle. *Veterinary Record* 2015; 176(6): 146

Wilkerson A, Kim J, Huang AY, Zhang M. Nanoparticle systems modulating myeloid-derived suppressor cells for cancer immunotherapy. *Current Topics in Medicinal Chemistry* 2017, 17(16) 1843-1857.

Willems S, Gulhan A, Steelant J. Experiments on the effect of laminar-turbulent transition on the SWBLI, in H2K at Mach 6. *Experiments in Fluids* 2015; 56(3), 1-19.

Willey A, Anderson RR, Sakamoto FH. Temperature-modulated photodynamic therapy for the treatment of actinic keratosis on the extremities: A pilot study. *Dermatologic Surgery* 2014; 40 (10) 1094-1102.

Willhoft O, McCormack EA, Aramayo RJ, Bythell-Douglas R, Ocloo L, Zhang X, Wigley DB. Crosstalk within a functional INO80 complex dimer regulates nucleosome sliding. *eLife* 2017, 6: Article Number: e25782

Williams CA. Elite Youth Sports-From Best Pediatric Science Practice To Sports Practice-2016. *Pediatric Exercise Science* 2017, 29(1) 19-22.

Williams M-L, Nolan JP. Is enteral feeding tolerated during therapeutic hypothermia? *Resuscitation* 2014; 85 (11): 1469-1472.

Williams WJ, Coca A, Kim J.-H, Roberge R. Repeatability of physiological responses during two repeated protective clothing performance tests under identical test conditions. *International Journal of Industrial Ergonomics* 2014; 44 (5): 793-799.

Williamson MR, Dietrich K, Hackett MJ, Caine S, Nadeau CA, Aziz JR, Nichol H, Paterson PG, Colbourne F. Rehabilitation augments hematoma clearance and attenuates oxidative injury and ion dyshomeostasis after brain hemorrhage. *Stroke* 2017, 48 (1): 195-203.

Willie JT, Laxpati NG, Drane DL, Gowda A, Appin C, Hao C, Brat DJ, Helmers SL, Saindane A, Nour SG, Gross RE. Real-time magnetic resonance-guided stereotactic laser amygdalo- hippocampotomy for mesial temporal lobe epilepsy. *Neurosurgery* 2014; 74 (6): 569-584.

Wilson S, Illambas J, Siedek E, Thomas A, King V, Stirling C, Plevová, E, Salt J, Sture G. The administration of a single dose of a multivalent (DHPPiL4R) vaccine prevents clinical signs and mortality following virulent challenge with canine distemper virus canine adenovirus or canine parvovirus. *Trials in Vaccinology* 2014; 3 (1): 102-106.

Winchester WJ, Gore K, Glatt S, Petit W, Gardiner JC, Conlon K, Postlethwaite M, Saintot P-P, Roberts S, Gosset JR, Matsuura T, Andrews MD, Glossop PA, Palmer MJ, Clear N, Collins S, Beaumont K, Reynolds DS. Inhibition of TRPM8 channels reduces pain in the cold pressor test in humans. *Journal of Pharmacology and Experimental Therapeutics* 2014; 351 (2) 259-269.

Windisch C, Brodt S, Roehner E, Matziolis G. Regional differences in temperature course after knee arthroplasty. *Knee Surgery Sports Traumatology Arthroscopy* 2016; 24 (8) 2686-2691

Windisch C, Brodt S, Röhner E, Matziolis G. Effects of Kinesio taping compared to arterio-venous Impulse System™ on limb swelling and skin temperature after total knee arthroplasty. *International Orthopaedics* 2017, 41 (2): 301-307.

Winfrey WP, Cramer KE, Zalameda JN, Howell PA, Burke ER. Principal Component Analysis of Thermographic Data. In: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense - Thermal Infrared Applications XXXVII*, APR 20-23 2015, 2015; pp. 94850S-94850S.

Winfrey WP, Howell PA, Zalameda JN. Determination of Flaw Size from Thermographic Data. in: Chimentii DE, Bond LI, eds, *AIP Conference Proceedings CT 41st Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE)* JUL 20-25, 2014, 2015; 1650: 280-289

Winfrey WP, Zalameda JN, Howell PA. Measurement of flaw size from thermographic data. in: Hsieh SI, Zalameda JN, eds, *Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII*, APR 20-23 2015, pp. 94850D-94850D

Winkel P, Bath PM, Gluud C, Lindschou J, van der Worp HB, Macleod MR, Szabo I, Durand-Zaleski I, Schwab S.

Statistical analysis plan for the EuroHYP-1 trial: European multicentre randomised phase III clinical trial of the therapeutic hypothermia plus best medical treatment versus best medical treatment alone for acute ischaemic stroke. *Trials* 2017, 18 (1), art. no. 573.

Winkel R, Hoffmann G, Hoffmann R. W ater-filtered infrared-A (wIRA) promotes wound healing [Wassergefiltertes Infrarot A (wIRA) hilft Wunden heilen]. *Chirurg* 2014; 85 (11) 980-992.

Winkler BE, Tetzlaff K, Muth C.-M, Koch A, Georgieff M, Hebestreit H. Body temperature and heart rate in paediatric SCUBA dives. *International SportMed Journal* 2014; 15 (1): 30-40.

Winter L, Oberacker E, Özerdem C, Ji Y, von Knobelsdorff-Brenkenhoff F, Weidemann G, Ittermann B, Seifert F, Niendorf T. On the RF heating of coronary stents at 7.0 Tesla MRI Magnetic Resonance in Medicine. Article in Press.

Winter L, Oberacker E, Paul K, Ji Y, Oezerdem C, Ghadjar P, Thieme A, Budach V, Wust P, Niendorf T. Magnetic resonance thermometry: Methodology pitfalls and practical solutions. *International Journal of Hyperthermia* 2016; 32 (1) 63-75

Winter PM, Lanier M, Partanen A, Dumoulin C. Initial investigation of a novel noninvasive weight loss therapy using MRI-Guided high intensity focused ultrasound (MR-HIFU) of visceral fat. *Magnetic Resonance in Medicine* 2016; 76 (1) 282-289

Winter S, Smith A, Lappin D, McDonagh G, Kirk B. Failure of non-vacuum steam sterilization processes for dental handpieces. *Journal of Hospital Infection* 2017, 97 (4): 343-347.

Winter S, Smith A, Lappin D, McDonagh G, Kirk B. Investigating steam penetration using thermometric methods in dental handpieces with narrow internal lumens during sterilizing processes with non-vacuum or vacuum processes. *Journal of Hospital Infection* 2017, 97 (4): 338-342.

Wise PM, Bryant B. The effect of temperature and menthol on carbonation bite. *Chemical Senses* 2015, 39 (7), art. no. bju027.

Wisniewski M, Neuner G, Gusta LV. The Use of High-resolution Infrared Thermography (HRIT) for the Study of Ice Nucleation and Ice Propagation in Plants. *JOVE-Journal of Visualized Experiments* 2015(99) e52703-e52703.

Withington J, Neves JB, Barod R. Surgical and Minimally Invasive Therapies for the Management of the Small Renal Mass. *Current Urology Reports* 2017, 18 (8), art. no. 61.

Wolfe TB, Henein H. Characterization of arc during hardfacing in plasma transfer arc welding. *Canadian Metallurgical Quarterly* 2015; 54(3): 328-339

Wolffsohn JS, Arita R, Chalmers R, Djalilian A, Dogru M, Dumbleton K, Gupta PK, Karpecki P, Lazreg S, Pult H, Sullivan BD, Tomlinson A, Tong L, Villani E, Yoon KC, Jones L, Craig JP. TFOS DEWS II Diagnostic Methodology report. *Ocular Surface* 2017, 15 (3): 539-574.

Wolfger B, Timsit E, White BJ, Orsel K. A Systematic Review of Bovine Respiratory Disease Diagnosis Focused on Diagnostic Confirmation Early Detection and Prediction of Unfavorable Outcomes in Feedlot Cattle. *Veterinary Clinics of North America-Food Animal Practice* 2015; 31(3): 351-365

Wolfram F, Boltze C, Schubert H, Bischoff S, Lesser TG. Effect of lung flooding and high-intensity focused ultrasound on lung tumours: An experimental study in an ex vivo human cancer model and simulated in vivo tumours in pigs. *European Journal of Medical Research* 2014; 19 (1) Art. No. 1.

Wolska-Gawron K, Krasowska D. Localized scleroderma - Classification and tools used for the evaluation of tissue damage and disease activity/severity [Twardzina ograniczona - Klasyfikacja i narzędzia stosowane do oceny uszkodzenia tkanek aktywności lub nasilenia choroby]. *Przegląd Dermatologiczny* 2017, 104 (3): 269-289.

Wong AW, Fite BZ, Liu Y, Kheirrolmoom A, Seo JW, Watson KD, Mahakian LM, Tam SM, Zhang H, Foiret J, Borowsky AD, Ferrara KW. Ultrasound ablation enhances drug accumulation and survival in mammary carcinoma models. *Journal of Clinical Investigation* 2016; 126 (1) 99-111

Wood S, Lin Y, Knowles TG, Main DCI. Infrared thermometry for lesion monitoring in cattle lameness. *Veterinary Record* 2015; 176(12) 308-308

Woodrum DA, Kawashima A, Gorny KR, Mynderse LA. Prostate cancer: state of the art imaging and focal treatment. *Clinical Radiology* 2017, 72 (8): 665-679.

Worz C, Postolski J, Williams K. The utility of continuous temperature monitoring of refrigerators in a long-term care facility. *Consultant Pharmacist* 2017, 32 (4): 222-227.

Wowk S, Ma Y, Colbourne F. Therapeutic Hypothermia Does Not Mitigate Iron-Induced Injury in Rat. *Therapeutic Hypothermia and Temperature Management* 2016; 6 (1) 23-29

Wozniak K, Szyszka-Sommerfeld L, Trybek G, Piatkowska D. Assessment of the Sensitivity Specificity and Accuracy of Thermography in Identifying Patients with TMD. *Medical Science Monitor* 2015; 21

Wright CY, Street RA, Cele N, Kunene Z, Balakrishna Y, Albers PN, Mathee A. Indoor temperatures in patient waiting rooms in eight rural primary health care centers in Northern South Africa and the related potential risks to human health and wellbeing. *International Journal of Environmental Research and Public Health* 2017, 14 (1), art. no. 43.

- Wright HE, Larose J, McLellan TM, Hardcastle SG, Boulay P, Kenny GP. Moderate-intensity intermittent work in the heat results in similar low-level dehydration in young and older males. *Journal of Occupational and Environmental Hygiene* 2014; 11 (3): 144-153.
- Wright HE, McLellan TM, Larose J, Hardcastle SG, Boulay P, Kenny GP. Are circulating cytokine responses to exercise in the heat augmented in older men? *Applied Physiology Nutrition and Metabolism* 2014; 39 (2): 117-123.
- Wright WF, Mackowiak PA. Origin evolution and clinical application of the thermometer. *American Journal of the Medical Sciences* 2016; 351 (5) 526-534
- Wright-Beatty HE, Hardcastle SG, Boulay P, Larose J, Kenny GP. Increased air velocity during exercise in the heat leads to equal reductions in hydration shifts and interleukin-6 with age. *European Journal of Applied Physiology* 2014; 114 (10): 2081-2092.
- Wright-Beatty HE, McLellan TM, Larose J, Sigal RJ, Boulay P, Kenny GP. Inflammatory responses of older Firefighters to intermittent exercise in the heat. *European Journal of Applied Physiology* 2014; 114 (6): 1163-1174.
- Wrobel MS, Jedrzejewska-Szczerska M, Galla S, Piechowski L, Sawczak M, Popov AP, Bykov AV, Tuchin VV, Cenian A. Use of optical skin phantoms for preclinical evaluation of laser efficiency for skin lesion therapy. *Journal of Biomedical Optics* 2015; 20(8) 085003
- Wrobel TP, Kwak JT, Kadjacsy-Balla A, Bhargava R. High-definition Fourier transform infrared spectroscopic imaging of prostate tissue. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9791, art no 97911D
- Wu C.-J, Lin S.-Y, Chou S.-C, Tsai C.-Y, Yen J.-Y. Temperature effects on the magnetic properties of silicon-steel sheets using standardized toroidal frame. *Scientific World Journal* 2014; 2014, art. no. 975051
- Wu J, Yunus M, Streatfield PK, Emch M. Association of climate variability and childhood diarrhoeal disease in rural Bangladesh, 2000-2006. *Epidemiology and Infection* 2014; 142 (9): 1859-1868.
- Wu J, Zhou Y, Li S, Qu D, Zhu W.-H, Tian H. Real-time near-infrared bioimaging of a receptor-targeted cytotoxic dendritic theranostic agent. *Biomaterials* 2017, 120: 1-10.
- Wu L, Cao J, Wu Z, Zhang J, Yang Z. The mechanism of radioactive strontium removal from simulated radioactive wastewater via a coprecipitation microfiltration process. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 314 (3): 1973-1981.
- Wu L-A, Kuo W-H, Chen C-Y, Tsai Y-S, Wang J. The association of infrared imaging findings of the breast with prognosis in breast cancer patients: An observational cohort study. *BMC Cancer* 2016; 16 (1), art no 541
- Wu N, Yu J, Zhang X, Zeng M, Zhang Y-J, Zheng X-H. Optimization of preparation procedures of tanshinone-IIA / β -cyclodextrin inclusion complex and dissolution study of tanshinone-IIA in vitro. *Zhongguo Zhongyao Zazhi* 2017, 42 (23): 4611-4617.
- Wu T.-W, McLean C, Friedlich P, Wisnowski J, Grimm J, Panigrahy A, Bluml S, Seri I. Brain temperature in neonates with hypoxic-ischemic encephalopathy during therapeutic hypothermia. *Journal of Pediatrics* 2014; 165 (6): 1129-1134.
- Wu X, Peters K. Non-Destructive inspection of Adhesively Bonded Joints using Amplitude Modulated Thermography. *Experimental Mechanics* 2015; 55(8): 1485-1501
- Wu X, Sanders JL, Stephens DN, Oralkan O. Photoacoustic-imaging-based temperature monitoring for high-intensity focused ultrasound therapy. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS* 2016; 2016-October art no 7591418 3235-3238
- Wu Y, Nieuwenhoff MD, Huygen FJPM, van der Helm FCT, Niehof S, Schouten AC. Characterizing human skin blood flow regulation in response to different local skin temperature perturbations. *Microvascular Research* 2017, 111: 96-102.
- Wu Y-B, Wang Y-Q, Fu W-G, Zhu Y-F, Ge H-W. Stromal cell-derived factor-1 and endothelial progenitor cells improve neovascularization. *Chinese Journal of Tissue Engineering Research* 2014; 18 (20) 3158-3164.
- Wynn JL, Wong HR, Shanley TP, Bizzarro MJ, Saiman L, Polin RA. Time for a neonatal-specific consensus definition for sepsis. *Pediatric Critical Care Medicine* 2014; 15 (6): 523-528.
- Wysocka-Fotek O, Maj, M, Oliferuk W. Use of pulsed ir thermography for determination of size and depth of, subsurface defect taking into account the shape of its cross-section area. *Archives of Metallurgy and Materials* 2015; 60(2): 615-620
- Wysocki J, Douha M, Vassilev V, Nicholson O, Innis BL, Willems P. Protection against varicella with two doses of combined measles-mumps-rubella-varicella vaccine versus one dose of monovalent varicella vaccine: A multicentre observer-blind randomised controlled trial. *The Lancet* 2014; 383 (9925): 1313-1324.
- Wysoczanski B. Effects of magnetotherapy on peripheral circulation in elderly women (60+) complaining of cold hand syndrome (extended abstract). *Thermology international* 2017; 27 (2) 73-74
- Xi L, Wang T, Zhao F, Zheng Q, Li X, Luo J, Liu J, Quan D, Ge J. Evaluation of an injectable thermosensitive hydrogel as drug delivery implant for ocular glaucoma surgery. *PLoS ONE* 2014; 9 (6) Art. No. e100632.
- Xia J, Zhang Y, Zhao H, Wang J, Gao X, Chen J, Fu B, Shen Y, Miao F, Zhang J, Teng G. Non-invasive

monitoring of CNS MHC-I molecules in ischemic stroke mice. *Theranostics* 2017, 7 (11): 2837-2848.

Xiao JH, Wang XH, Luo X, Hu ZY. In situ preparation of catalytic combustion films used as micro heat source by inkjet printing method. *Applied Surface Science* 2015; 327: 400-405

Xie H, Li Y, Zhou Q, Ma N, Gao B, Pan L. Assessment of skin temperature change in determining success of transversus abdominis plane block. *International Journal of Clinical and Experimental Medicine* 2017, 10(2) 3394-3399.

Xie W, Lewis WM, Kaser J, Ross Welch C, Li P, Nelson CA, Kothari V, Terry BS. Design and Validation of a Biosensor Implantation Capsule Robot. *Journal of Biomechanical Engineering* 2017, 139 (8), art. no. 081003.

Xie Z, Liu G. Blood perfusion construction for infrared face recognition based on bio-heat transfer. *Bio- Medical Materials and Engineering* 2014; 24 (6): 2733-2742.

Xing J, Liu D, Zhou G, Li Y, Wang P, Hu K, Gu N, Ji M Liposomally formulated phospholipid-conjugated novel near-infrared fluorescence probe for particle size effect on cellular uptake and biodistribution in vivo. *Colloids and Surfaces B: Biointerfaces* 2017, 160: 265-271.

Xing S, Hou X, Aldahan A, Possnert G. Speciation analysis of 129I in seawater using coprecipitation and accelerator mass spectrometry and its applications. *Journal of Radioanalytical and Nuclear Chemistry* 2017, 311 (1): 833-841.

Xing X-H, Wang L, Sheng L, Sun D-T, Qiu C. Efficacy and safety on the cisplatin or los platinum chemotherapy by peritoneal perfusion and the microwave thermal therapy in cancerous ascites. *Chinese Journal of Cancer Prevention and Treatment* 2014; 21 (17) 1376-1378.

Xiong D, He H, James J, Tokunaga C, Powers C, Huang Y, Osinska H, Towbin JA, Purevjav E, Balschi JA, Javadov S, McGowan JR, FX, Strauss AW, Khuchua Z. Cardiac-specific VLCAD deficiency induces dilated cardiomyopathy and cold intolerance. *American Journal of Physiology - Heart and Circulatory Physiology* 2014; 306 (3): H326-H338.

Xu C, Vavadi H, Merkulov A, Li H, Erfanzadeh M, Mostafa A, Gong Y, Salehi H, Tannenbaum S, Zhu Q. Ultrasound-guided diffuse optical tomography for predicting and monitoring neoadjuvant chemotherapy of breast cancers: Recent progress. *Ultrasonic Imaging* 2016; 38 (1) 5-18

Xu C, Yang LI, Li L, Du XZ. Experimental study on heat transfer performance improvement of wavy finned flat tube. *Applied Thermal Engineering* 2015; 85: 80-88

Xu H, Hafezi M, Fan J, Taylor JM, Strouse GF, Ahmed Z. Ultra-sensitive chip-based photonic temperature sensor using ring resonator structures. *Optics Express* 2014; 22 (3): 3098-3104.

Xu L, Kollman MS, Song C, Shilling JE, Ng NL. Effects of NO_x on the volatility of secondary organic aerosol from isoprene photooxidation. *Environmental Science and Technology* 2014; 48 (4): 2253-2262.

Xu N, Guo S, Yu J, Ma Y. A case report of perioperative managements for a patient with gastric cancer and cold agglutinin syndrome. *Medicine (United States)*, 2017, 96 (10), art. no. e6082.

Xu N, Wang Y, Rong M, Ye Z, Deng Z, Chen X. Facile preparation and applications of graphitic carbon nitride coating in solid-phase microextraction. *Journal of Chromatography A* 2014; 1364: 53-58.

Xu Q, Yang J, Wang L, Deng Z, Wang Y, Yang L, Wu P, Li L. Use of laser speckle contrast imaging to reveal changes in temperature and blood perfusion in the skin of healthy subjects after administration of heated moxa sticks and Daiwenjiu ointment. *Journal of Traditional Chinese Medicine* 2014; 34 (4): 455- 459.

Xu S, Agarwal H, Bernardo M, Seifabadi R, Turkbey B, Partanen A, Negussie A, Glossop N, Choyke P, Pinto P, Wood BJ. An MRI guided system for prostate laser ablation with treatment planning and multi- planar temperature monitoring. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9786, art no 978611

Xu W, Fu Z.-Q, Lin J, Huang X.-C, Yu H.-M, Huang Z.-H, Fan S.-M. Rapid simultaneous determination of ten major flavonoids in *Tetragium hemsleyanum* by UPLC-MS/MS. *Yao xue Xue bao [=Acta Pharmaceutica Sinica]* 2014; 49 (12): 1711-1717.

Xu W, Pan Y, Wang H, Li H, Peng Q, Wei D, Chen C, Zheng J Synthesis and Evaluation of New Pyrazoline Derivatives as Potential Anticancer Agents in HepG-2 Cell Line. *Molecules (Basel, Switzerland)* 2017, 22:3.

Xu W, Song Q, Zheng L, Zhang Z, Cao W. Optical temperature sensing based on the near- infrared emissions from Nd³⁺/Yb³⁺ codoped CaWO₄. *Optics Letters* 2014; 39 (16): 4635-4638.

Xu X, Shen Y, Wang W, Sun C, Li C, Xiong Y, Tu J. Preparation and in vitro characterization of thermosensitive and mucoadhesive hydrogels for nasal delivery of phenylephrine hydrochloride. *European Journal of Pharmaceutics and Biopharmaceutics* 2014; 88 (3): 998-1004.

Xue H, Gao R. Multi-channel thermal infrared image edge detection method under multi-core environment. *Proceedings - 2016 8th International Conference on Measuring Technology and Mechatronics Automation ICMTMA 2016*, art no 7488579 405-408

Xue S, Roy A, Ng WF, Ekkad SV. A Novel Transient Technique to Determine Recovery Temperature Heat Transfer Coefficient and Film Cooling Effectiveness Simultaneously in a Transonic Turbine Cascade. *Journal of Thermal Science and Engineering Applications* 2015; 7(1) 011016

- Xue-Xi Z Zhi-Yan X, Jian-Hua Y, Yang X. Concentration determination of collagen and proteoglycan in bovine nasal cartilage by Fourier transform infrared imaging and PLS. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2014; 9230, Art. No. 923015.
- Y. Hemiscrotal agenesis: Pathogenesis and management strategies. *International Journal of Urology* 2016; 23 (6) 523-526
- Yaakub SM, Chen E, Bouma TJ, Erftemeijer PLA, Todd PA. Chronic light reduction reduces overall resilience to additional shading stress in the seagrass *Halophila ovalis*. *Marine Pollution Bulletin* 2014; 83 (2): 467-474
- Yadav J, Rani A, Singh V, Murari BM. Investigations on multisensor-based noninvasive blood glucose measurement system. *Journal of Medical Devices Transactions of the ASME*, 11 (3), art. no. 031006.
- Yadav S, Chakraborty S, Khandai M, Ghosh AK. Development and in-vitro evaluation of pectino-eudragit NE 30D based sustained release gastroretentive microspheric drug delivery system of ciprofloxacin hydrochloride. *International Journal of Pharmaceutical Sciences Review and Research* 2017, 44(1) 283-288.
- Yagura K, Shinoda K, Matsumoto S, Terauchi G, Watanabe E, Matsumoto H, Akiyama G, Mizota A, Miyake Y. Intraoperative electroretinograms before and after core vitrectomy. *PLoS ONE* 2016; 11 (3), art no e0152052
- Yahaya ZS, Ofokansi KC, Allagh ST, Bhatia PG. Preparation and characterization of artemether inclusion complexes with hydroxypropyl- β -cyclodextrin. *Tropical Journal of Pharmaceutical Research* 2017, 16 (10): 2359-2364.
- Yakushkin AV, Akimov EB, Andreev RS, Kalenov YN, Kozlov AV, Kuznetsova OV, Son'kin VD. Effect of training on treadmill performance aerobic capacity and body responses to acute cold exposure. *Human Physiology* 2014; 40 (4) 422-432.
- Yamaguchi M, Sakane Y, Kamao T, Zheng X, Goto T, Shiraishi A, Ohashi Y. Noninvasive dry eye assessment using high-technology ophthalmic examination devices. *Cornea* 2016; 35 (11) S38-S48
- Yamamoto D, Imai T, Tsuda E, Hozuki T, Yamauchi R, Hisahara S, Kawamata J, Shimohama S. Effect of local cooling on excitation-contraction coupling in myasthenic muscle: Another mechanism of ice-pack test in myasthenia gravis. *Clinical Neurophysiology* 2017, 128 (11): 2309-2317.
- Yamamoto H, Okada M. Application of laser speckle flow graph for compensatory sweating. *Journal of Thoracic and Cardiovascular Surgery* 2017, 154 (6): e113-e115.
- Yamamoto Y, Yamamoto D, Takada M, Naito H, Arie T, Akita S, Takei K. Efficient Skin Temperature Sensor and Stable Gel-Less Sticky ECG Sensor for a Wearable Flexible Healthcare Patch. *Advanced Healthcare Materials* 2017, 6(17) Article Number: 1700495.
- Yamaura K, Nanishi N, Higashi M, Hoka S. Effects of thermoregulatory vasoconstriction on pulse hemoglobin measurements using a co-oximeter in patients undergoing surgery. *Journal of Clinical Anesthesia* 2014; 26 (8) 643-647.
- Yamazaki S, Michikawa T. Association between high and low ambient temperature and out-of-hospital cardiac arrest with cardiac etiology in Japan: A case-crossover study. *Environmental Health and Preventive Medicine* 2017, 22 (1).
- Yan H, Fan S, Guo C, Hu J, Dong L. Quantifying the impact of land cover composition on intra-urban air temperature variations at a mid-latitude city. *PLoS ONE* 2014; 9 (7), art. no. e102124
- Yan X, Wu G, Qu Q, Fan X, Xu X, Liu N. A hybrid peptide PTS that facilitates transmembrane delivery and its application for the rapid in vivo imaging via near-infrared fluorescence imaging. *Frontiers in Pharmacology* 2016; 7 (MAR), art no 51
- Yanagisawa K, Nakamura N, Tsunashima H, Narita N. Proposal of auxiliary diagnosis index for autism spectrum disorder using near-infrared spectroscopy. *Neurophotonics* 2016; 3 (3), art no 031413
- Yang D, Ding F, Mitachi K, Kurosu M, Lee RE, Kong Y. A fluorescent probe for detecting mycobacterium tuberculosis and identifying genes critical for cell entry. *Frontiers in Microbiology* 2016; 7 (DEC), art no 2021
- Yang F-L, Lee C-C, Subeq Y-M, Lee C-J, Ke C-Y, Lee R-P. Heat adaptation from regular hot water immersion decreases proinflammatory responses, HSP70 expression, and physical heat stress. *Journal of Thermal Biology* 2017, 69: 95-103.
- Yang G, Baad-Hansen L, Wang K, Xie Q.-F, Svensson P. Effect of negative emotions evoked by light noise and taste on trigeminal thermal sensitivity *Journal of Headache and Pain* 2014; 15 (1) 2014; 12 p.
- Yang H, Albiol L, Chan W-L, Wulsten D, Seliger A, Thelen M, Thiele T, Spevak L, Boskey A, Kornak U, Checa S, Willie BM. Examining tissue composition whole-bone morphology and mechanical behavior of *GorabPrx1* mice tibiae: A mouse model of premature aging. *Journal of Biomechanics* 2017, 65: 145-153.
- Yang H-J, Kong Y, Cheng Y, Janagama H, Hassounah H, Xie H, Rao J, Cirillo JD. Real-time imaging of mycobacterium tuberculosis using a novel near-infrared fluorescent substrate. *Journal of Infectious Diseases* 2017, 215 (3): 405-414.
- Yang J, Mei XS, Feng B, Zhao L, Ma C, Shj H. Experiments and Simulation of Thermal Behaviors of the Dual-drive Servo Feed System. *Chinese Journal of Mechanical Engineering* 2015; 28(1): 76-87

- Yang J, Weng W, Zhang B. Experimental and numerical study of physiological responses in hot environments. *Journal of Thermal Biology* 2014; 45: 54-61.
- Yang J.-M, Shen X.-Y, Zhang L, Shen S.-X, Qi D.-D, Zhu S.-P, Luo L, Ren X.-X, Ji B, Zhang L.-F, Li X.-H, Zhu J. The effect of acupuncture to sp6 on skin temperature changes of SP6 and SP10: An observation of "deqi". *Evidence-based Complementary and Alternative Medicine* 2014; 2014, art. no. 595963.
- Yang JY, Li ZH, Xia JM, Han P. Fast Object Tracking Employing Labelled Particle Filter for Thermal Infrared Imager. *International Journal of Distributed Sensor Networks* 2015 497639
- Yang RZ, He YZ, Gao B, Tian GY, Peng JP. Lateral heat conduction based eddy current thermography for detection of parallel cracks and rail tread oblique cracks. *Measurement* 2015; 66: 54-61
- Yang RZ, He YZ. Eddy current pulsed phase thermography considering volumetric induction heating for delamination evaluation in carbon fiber reinforced polymers. *Applied Physics Letters* 2015; 106(23) 234103
- Yang RZ, He YZ. Pulsed inductive thermal wave radar (PI-TWR) using cross correlation matched filtering in eddy current thermography. *Infrared Physics & Technology* 2015; 71: 469-474
- Yang S, Zhou R, Tang Z-S, Song Z-X, Liu Y-R, Shi X-B, Bai H-B, Qian D-W. HPLC fingerprint of Qinqi Rheumatism Formula. *Chinese Traditional and Herbal Drugs* 2017, 48 (5): 924-929.
- Yang W, Zhang L. Association of Tear Film Stability and Corneal Surface Temperature in Pudong Patients. *Current Eye Research* 2017, 42 (5): 655-660.
- Yang W-C, Kuo H-T, Lin C-H, Wu K-H, Chang Y-J, Chen C-Y, Wu H-P. Tympanic temperature versus temporal temperature in patients with pyrexia and chills. *Medicine (United States)* 2016; 95 (44), art no e5267
- Yang X, Ma R, Shi P, Huang H, Bai Y, Wang Y, Yang P, Fan Y, Yao B. Molecular characterization of a highly-active thermophilic β -glucosidase from *Neosartorya fischeri* P1 and its application in the hydrolysis of soybean isoflavone glycosides. *PLoS ONE* 2014; 9 (9) Art. No. e106785.
- Yang X, Zhang J, Fang X. Rare earth element recycling from waste nickel-metal hydride batteries *Journal of Hazardous Materials* 2014; 279: 384-388.
- Yang Y, Zeng L, An Z, Wang L, Hu J. Minimally invasive thoracic sympathectomy for palmar hyperhidrosis via a single unilateral incision approach by the pleura videoscope. *Journal of Laparoendoscopic and Advanced Surgical Techniques* 2014; 24 (5): 328-332.
- Yang Y, Zhao M, Xu X, Sun Z Yin G, Piao S. Diurnal and seasonal change in stem respiration of *Larix principis-rurechii* trees northern China. *PLoS ONE* 2014; 9 (2) Art. No. e89294.
- Yang Y-J, Sun X-G, Yang J, Li Q, Zhang J, Zhao Y, Ma B-P, Guo B-L. Determination of three saponins in rhizoma and fibrous root of *Trillium tschonoskii* and *Trillium kamtschaticum*. *Zhongguo Zhongyao Zazhi* 2017, 42 (6): 1146-1151.
- Yanmaz LE, Dogan E, Okumus Z, Senocak MG, Yildirim F. Comparison of Rectal Eye and Ear Temperatures in Kangal Breed Dogs. *Kafkas Universitesi Veteriner Fakultesi Dergisi* 2015; 21(4): 615-617
- Yao L, Lu N. Particulate matter pollution and population exposure assessment over Mainland China in 2010 with remote sensing. *International Journal of Environmental Research and Public Health* 2014; 11 (5) 5241-5250.
- Yao N, Wang J, Zhou Y. Rapid determination of the chemical oxygen demand of water using a thermal biosensor. *Sensors (Basel Switzerland)* 2014; 14 (6): 9949-9960.
- Yao X, Wei W, Li J, Wang L, Xu Z W an Y, Li K, Sun S. A comparison of mammography ultrasonography and far-infrared thermography with pathological results in screening and early diagnosis of breast cancer. *Asian Biomedicine* 2014; 8 (1) 11-19.
- Yao Y, Bao L, Deng W, Xu L, Li F, Lv Q, Yu P, Chen T, Xu Y, Zhu H, Yuan J, Gu S, Wei Q, Chen H, Yuen K.-Y, Qin C. An animal model of MERS produced by infection of rhesus macaques with MERS coronavirus. *Journal of Infectious Diseases* 2014; 209 (2): 236-242.
- Yapo RI, Koné, B, Bonfoh B, Cissé, G, Zinsstag J, Nguyen-Viet H. Quantitative microbial risk assessment related to urban wastewater and lagoon water reuse in Abidjan Côte d'Ivoire. *Journal of Water and Health* 2014; 12 (2): 301-309.
- Yapp J-H, Kamil R, Rozi M, Mohtarrudin N, Loqman MY, Ezamin AR, Ahmad SA, Abu Bakar Z. Trends of reactive hyperaemia responses to repetitive loading on skin tissue of rats – Implications for pressure ulcer prevention. *Journal of Tissue Viability* 2017, 26 (3): 196-201.
- Yarnell K, Fleming J, Stretton TD, Brassington R. Monitoring changes in skin temperature associated with exercise in horses on a water treadmill by use of infrared thermography. *Journal of Thermal Biology* 2014; 45, 110-116.
- Yasuda S, Tanaka K, Ichikawa A, Watanabe K, Uchida E, Yamamoto M, Yamamoto K, Mizuchi D, Miura O, Fukuda T. Aggressive TAFRO syndrome with reversible cardiomyopathy successfully treated with combination chemotherapy. *International Journal of Hematology* 2016; 104 (4) 512-518
- Yavuz M, Brem RW, Davis BL, Patel J, Osbourne A, Matassini MR, Wood DA, Nwokolo IO. Temperature as a predictive tool for plantar triaxial loading. *Journal of Biomechanics* 2014; 47 (15): 3767-3770.
- Yazdanirad S, Dehghan H. Designing of the cooling vest from paraffin compounds and evaluation of its impact

under laboratory hot conditions. *International Journal of Preventive Medicine* MARCH-2016, art no 47 2016; 7 p

Ye H, De S. Thermal injury of skin and subcutaneous tissues: A review of experimental approaches and numerical models. *Burns* 2017, 43 (5): 909-932.

Ye J-F, Zhao Y-X, Ju J, Wang W. Building and verifying a severity prediction model of acute pancreatitis (AP) based on BISAP, MEWS and routine test indexes. *Clinics and Research in Hepatology and Gastroenterology* 2017, 41 (5): 585-591.

Ye T, Zhang H, Chen G, Shang L, Wang S. Fluorescent molecular imaging of metastatic lymph node using near-infrared emitting low molecular weight heparin modified nanoliposome based on enzyme-substrate interaction. *Contrast Media and Molecular Imaging* 2016; 11 (6) 482-491

Ye ZJ, Kang YH, Sun YH, Yang GY, Feng B, Zhou Q. Theoretical analyses of an alternating current electric flux leakage inspection method and experimental verification. *insight* 2015; 57(2): 78-84

Yeager D, Chen Y.-S, Litovsky S, Emelianov S. Intravascular photoacoustics for image-guidance and temperature monitoring during plasmonic photothermal therapy of atherosclerotic plaques: A feasibility study. *Theranostics* 2014; 4 (1): 36-46

Yeh K, Bhargava R. Discrete frequency infrared imaging using quantum cascade lasers for biological tissue analysis. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9704, art no 970406

Yeh Y-H, Chang S-H, Chen S-Y, Wen C-J, Wei F-C, Tang R, Achilefu S, Wun T-C, Chen W-J. Bolus injections of novel thrombogenic site-targeted fusion proteins comprising annexin-V and Kunitz protease inhibitors attenuate intimal hyperplasia after balloon angioplasty. *International Journal of Cardiology* 2017, 240: 339-346.

Yeo S, Tan JH, Acharya UR, Sudarshan VK, Tong L. Longitudinal changes in tear evaporation rates after eyelid warming therapies in meibomian gland dysfunction. *Investigative Ophthalmology and Visual Science* 2016; 57 (4) 1974-1981

Yeoh WK, Lee JKW, Lim HY, Gan CW, Liang W, Tan KK. Re-visiting the tympanic membrane vicinity as core body temperature measurement site. *PLoS ONE* 2017, 12(4) Article Number: e0174120.

Yiannakou M, Menikou G, Yiallouras C, Damianou C. MRI-guided coupling for a focused ultrasound system using a top-to-bottom propagation. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 6.

Yiannakou M, Menikou G, Yiallouras C, Ioannides C, Damianou C. MRI guided focused ultrasound robotic system for animal experiments. *International Journal of Medical Robotics and Computer Assisted Surgery* 2017, 13 (4), art. no. e1804.

Yokota K, Matsumoto T, Murakami Y, Akiyama M. Near-infrared image-guided superselective intra-arterial infusion of high-dose cisplatin for squamous cell carcinoma on the lower lip. *European Journal of Dermatology* 2017, 27 (2): 208-209.

Yokota M, Karis AJ, Tharion WJ. Thermal-work strain in law enforcement personnel during chemical biological radiological and nuclear (CBRN) training. *International Journal of Occupational and Environmental Health* 2014; 20 (2): 126-133.

Yoneda JS, Rigos CF, De Lourenço TFA, Sebinelli HG, Ciancaglini P. NaK-ATPase reconstituted in ternary liposome: The presence of cholesterol affects protein activity and thermal stability. *Archives of Biochemistry and Biophysics* 2014; 564, 136-141.

Yoo J, Estrada-Perez CE, Hassan YA. An accurate wall temperature measurement using Infrared thermometry with enhanced two-phase flow visualization in a convective boiling system. *International Journal of Thermal Sciences* 2015; 90: 248-266

Yoo MA, Seo YK, Ryu JH, Back JH, Koh JS. A validation study to find highly correlated parameters with visual assessment for clinical evaluation of cosmetic anti-cellulite products. *Skin Research and Technology* 2014; 20 (2) 200-207.

Yoo Y-S, Na K-S, Kim DY, Yang S-W, Joo C-K. Morphological evaluation for diagnosis of dry eye related to meibomian gland dysfunction. *Experimental Eye Research* 2017, 163: 72-77.

Yoshikawa TT. Conundrum of contagions causing cold in the old: Not Everybody's got the fever. *Journal of the American Geriatrics Society* 2015, 62 (1): 186-188.

You XM, Hu XM, Tong LL. W/Cu PFCs Defects Detection with Infrared Non-destructive Examination Method for EAST. *Journal of Fusion Energy*, 2015; 34(3): 671-678

Young MN, Hollenbeck RD, Pollock JS, McPherson JA, Fredi JL, Piana RN, Mah ML, Fish FA, Markham L. Effectiveness of mild therapeutic hypothermia following cardiac arrest in adult patients with congenital heart disease. *American Journal of Cardiology* 2014; 114 (1): 128-130.

Young PJ, Saxena M. Fever management in intensive care patients with infections. *Critical Care* 2014; 18(2) Art. No. 206.

Young SL, Chyasnavichyus M, Erko M, Barth FG, Fratzi P, Zlotnikov I, Politi Y, Tsukruk VV. A spider's biological vibration filter: Micromechanical characteristics of a biomaterial surface. *Acta Biomaterialia* 2014; 10 (11): 4832-4842.

- Yu MH, Ding GD, Gao GL, Zhao YY, Yan L, Saj K. Using Plant Temperature to Evaluate the Response of Stomatal Conductance to Soil Moisture Deficit. *Forests*. 2015; 6(10): 3748-3762
- Yu S-L, Dai Y, Cao X-H, Zhang Z-B, Liu Y-H, Ma H-J, Xiao S-J, Lai Z-J, Chen H-J, Zheng Z-Y, Le Z-G. Adsorption of uranium(VI) from aqueous solution using a novel magnetic hydrothermal cross-linking chitosan. *Journal of Radioanalytical and Nuclear Chemistry* 2016; 310 (2) 651-660
- Yu T-C, Hamill JKM, Evans SM, Price NR, Morreau PN, Upadhyay VA, Ferguson RS, Best EJ, Hill AG. Duration of postoperative intravenous antibiotics in childhood complicated appendicitis: A propensity score- matched comparison study. *European Journal of Pediatric Surgery* 2014; 24 (4): 341-349.
- Yu X, Zhu W, Di Y, Gu J, Guo Z, Li H, Fu D, Jin C. Triple-functional albumin-based nanoparticles for combined chemotherapy and photodynamic therapy of pancreatic cancer with lymphatic metastases. *International Journal of Nanomedicine* 2017, 12: 6771-6785.
- Yuan F, Zheng J, Sun Y, Wang Y, Lyu P. Regulation and Measurement of the Heat Generated by Automatic Tooth Preparation in a Confined Space. *Photomedicine and Laser Surgery* 2017, 35 (6): 332-337.
- Yuan H-J, Li W, Jin J-M, Chen J-J, Jiang J, Wang H, Jia X-B, Feng L. Research progress on chemical constituents pharmacological mechanism and clinical application of Guizhi decoction. *Zhongguo Zhongyao Zazhi* 2017, 42 (23): 4556-4564.
- Yuan J, Zhao C-L, Zhou Y, Yu X, Kang J, Wang J, Jin S. Reflective long-period fiber grating- based sensor with Sagnac fiber loop mirror for simultaneous measurement of refractive index and temperature. *Applied Optics* 2014; 53 (29): H85-H90.
- Yuan S-M. Biomarkers of cerebral injury in cardiac surgery. *Anadolu Kardiyoloji Dergisi* 2014; 14 (7): 638- 645.
- Yuan S-M. S100 and s100 β : Biomarkers of cerebral damage in cardiac surgery with or without the use of cardiopulmonary bypass [S100 e S100 β : Biomarcadores de dano cerebral em cirurgia cardíaca com ou sem o uso de circulação extracorpórea]. *Brazilian Journal of Cardiovascular Surgery* 2014; 29 (4): 630- 641.
- Yuan WJ, Yu Y, Yue YD, Wang J, Zhang FC, Dang XH. Use of Infrared thermal imaging to diagnose health of *Ammopiptanthus mongolicus* in northwestern China. *Journal of Forestry Research* 2015; 26(3): 605-612
- Yuh B, Liu A, Beatty R, Jung A, Wong JYC. Focal therapy using magnetic resonance image-guided focused ultrasound in patients with localized prostate cancer. *Journal of Therapeutic Ultrasound* 2016; 4 (1), art no 8
- Yun J, Lee S.-S. Human movement detection and identification using pyroelectric infrared sensors. *Sensors (Basel Switzerland)* 2014; 14 (5): 8057-8081.
- Yung JP, Fuentes D, MacLellan CJ, Maier F, Liapis Y, Hazle JD, Stafford RJ. Referenceless magnetic resonance temperature imaging using Gaussian process modeling. *Medical Physics* 2017, 44 (7): 3545-3555.
- Zacharias J. Laboratory assessment of thermal characteristics of three phacoemulsification tip designs operated using torsional ultrasound. *Clinical Ophthalmology* 2016; 10 1095-1101
- Zachiu C, Denis de Senneville B, Dmitriev ID, Moonen CTW, Ries M. A framework for continuous target tracking during MR-guided high intensity focused ultrasound thermal ablations in the abdomen. *Journal of Therapeutic Ultrasound* 2017, 5 (1), art. no. 27.
- Zadeh HG, Haddadnia J, Ahmadinejad N, Baghdadi MR. Assessing the potential of thermal imaging in recognition of breast cancer. *Asian Pacific Journal of Cancer Prevention* 2016; 16 (18) 8619-8623
- Zadeh HG, Haddadnia J, Zadeh FJS, Zadeh ZE, Kianersi S, Masoumzadeh S, Nour S. A review of the dedicated studies to breast cancer diagnosis by thermal imaging in the fields of medical and artificial intelligence sciences. *Biomedical Research (India)* 2016; 27 (2) 543-552
- Zadeh HG, Masoumzadeh S, Nour S, Kianersi S, Zadeh ZE, Zadeh FJS, Haddadnia J, Khamseh F, Ahmadinejad N. Breast cancer diagnosis by thermal imaging in the fields of medical and artificial intelligence sciences: Review article. *Tehran University Medical Journal* 2016; 74 (6) 377-385
- Zafren K. Out-of-Hospital Evaluation and Treatment of Accidental Hypothermia. *Emergency Medicine Clinics of North America* 2017, 35 (2): 261-279.
- Zahirovic S, Siddique F. A Tale of Two Thumbs a Dog and a Wooden Table. *Arthritis Care and Research* 2017, 69 (6): 912-914.
- Zaidi N, Bucak E, Yazici P, Soundararajan S, Okoh A, Yigitbas H, Dural C, Berber E. The feasibility of indocyanine green fluorescence imaging for identifying and assessing the perfusion of parathyroid glands during total thyroidectomy. *Journal of Surgical Oncology* 2016; 113 (7) 775-778
- Zaitsev VY, Matveyev AL, Matveev LA, Gellikonov GV, Gubarkova E, Gladkova ND, Vitkin A. Robust strain mapping in optical coherence elastography by combining local phase-resolved measurements and cumulative displacement tracking. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9710, art no 97100O
- Zaki A, Chaj HK, Aggelis DG, Alver N. Non-Destructive Evaluation for Corrosion Monitoring in Concrete: A, Review and Capability of Acoustic Emission Technique. *Sensors* 2015; 15(8): 19069-19101
- Zalameda JN, Burke ER, Horne MR, Bly JB. Real time fatigue damage growth assessment of a composite three-

stringer panel using passive thermography. In: Hsieh SI, Zalameda JN, eds. Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, 2015, pp. 948502-948502

Zalewski P, Buszko K, Zawadka-Kunikowska M, Slomko J, Szrajda J, Klawe JJ, Tafil-Klawe M, Sinski M, Newton J. Cardiovascular and autonomic responses to whole-body cryostimulation in essential hypertension. *Cryobiology* 2014; 69 (2): 249-255.

Zamoshchina TA, Krasnov EA, Otmakhov VI, Petrova EV, Reshetov YaE, Prosekina EYu Tomova TA, Kuskova IS. Chronobiological activity of aqueous extracts of the above-ground part of agrimonia pilosa L In rats. *Ekspierimental'naya i Klinicheskaya Farmakologiya* 2016; 79 (5) 3-6

Zand N, Shirkevand A. Letter regarding "Effect of laser on pain relief and wound healing of recurrent aphthous stomatitis: a systematic review". *Lasers in Medical Science* 2017, 32 (8), p. 1941.

Zandieh F, Ghazi BM, Izadi A, Gharegozlu M, Aghajani M, Sheikh M. Papillon lefevre syndrome and footprints of mycobacterium tuberculosis. *Iranian Journal of Allergy Asthma and Immunology* 2014; 13 (4) 286-289.

Zanoni S, Platt G, Carstairs S, Hernandez M. Complete ventricular asystole in a patient with altered mental status. *Western Journal of Emergency Medicine* 2014; 15 (2): 149-151.

Zaproudina N, Lipponen JA, Karjalainen PA, Kamshilin AA, Giniatullin R, Närhi M. Acral coldness in migraineurs *Autonomic Neuroscience: Basic and Clinical* 2014; 180 (1): 70-73.

Zaproudina N, Ming ZY, Narhj M. Sensory and sympathetic disorders in chronic non-specific neck pain. *Functional Neurology* 2015; 30(3): 165-171

Zare I, Ghafarpour A, Zadeh HG, Haddadnia J, Isfahani SMM. Evaluating the thermal imaging system in detecting certain types of breast tissue masses. *Biomedical Research (India)* 2016; 27 (3) 670-675

Zargari S, Ramezani A, Ostvar S, Rezaei R, Niazi A, Ayatollahi S. Isolation and characterization of gram- positive biosurfactant-producing halothermophilic bacilli from Iranian petroleum reservoirs. *Jundishapur Journal of Microbiology* 2014; 7 (8).

Zarkovic MD, Stojkovic Z. Fuzzy logic and artificial neural network-based thermography approach for monitoring of high-voltage equipment. *International Journal of Electrical Engineering Education* 2015; 52(1): 81-96

Zauner D, Quehenberger F, Hermann J, Dejaco C, Stradner MH, Stojakovic T, Angerer H, Rinner B, Graninger WB. Whole body hyperthermia treatment increases interleukin 10 and toll-like receptor 4 expression in patients with ankylosing spondylitis: A pilot study. *International Journal of Hyperthermia* 2014; 2014; 30 (6) 393-401.

Zaytseva TN, Kulikov AG, Yarustovskaya OV. Scoliosis in the children: the new approaches to the treatment and rehabilitation [Skolioz u detei: novye podkhody k lecheniiu i reabilitatsii]. *Voprosy kurortologii fizioterapii i lechebnoi fizicheskoi kultury* 2017, 94 (4): 43-47.

Zeev MS.-B, Miller DD, Latkany R. Diagnosis of dry eye disease and emerging technologies. *Clinical Ophthalmology* 2014; 8: 581-590.

Zemmer-Nalivka T, McCurdy SM, Staszak-Nalivka C, Killinger KM. Instant-read food thermometer accuracy in measuring end-point temperature in ground beef patties prepared by three methods. *Food Protection Trends* 2014; 34 (4): 237-246.

Zentralsterilisation - Central Service 2014; 22 (4): 246-253.

Zghibi M, Khlifa WB, Werghi N, Selmi O. The effect of time of day on short-term maximal performance in obese and non-obese young men. *Biological Rhythm Research* 2016; 47 (3) 463-474

Zhadobov M, Alekseev SI, Sauleau R, Le Page Y, Le Drean Y, Fesenko EE. Microscale temperature and SAR measurements in cell monolayer models exposed to millimeter waves. *Bioelectromagnetics* 2017, 38 (1): 11-21.

Zhang A, Salahura G, Kottaiyan R, Yoon G, Aquavella JV, Zavislan JM. Multimodal imaging of ocular surface of dry eye subjects. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9701, art no 97010H

Zhang A; Maki KL, Salahura G, Kottaiyan R, Yoon G, Hindman HB, Aquavella JV, Zavislan JM. Thermal analysis of dry eye subjects and the thermal impulse perturbation model of ocular surface. *Experimental Eye Research* 2015; 132: 231-239

Zhang B, Zeng T, Zhang J, Peng C, Zheng J, Chen G. Excellent temperature performance of spherical LiFePO₄/C composites modified with composite carbon and metal oxides *The Scientific World Journal* 2014; art. no. 364327

Zhang D, Xie D, W ei X, Zhang D, Chen M, Yu X, Liang P. Microwave ablation of the liver abutting the stomach: Insulating effect of a chitosan-based thermosensitive hydrogel. *International Journal of Hyperthermia* 2014; 30 (2): 126-133.

Zhang H, Genest M, Robitaille F, Maldague X, West L, Joncas S, Leduc C BE TI Infrared thermography and ultrasound C-scan for non-destructive evaluation of 3D carbon fiber materials: A comparative study. In: Hsieh SI, Zalameda JN, eds, Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII, APR 20-23, 2015, Baltimore MD 2015; 9485

Zhang H, Genest M, Robitaille F, Maldague X, West L, Joncas S, Leduc C BE TI Infrared thermography and ultrasound C-scan for non-destructive evaluation of 3D carbon fiber materials: A comparative study. In: Hsieh SI, Zalameda JN, eds, Proceedings of SPIE Conference on Thermosense -Thermal Infrared Applications XXXVII,

APR 20-23, 2015, Baltimore MD 2015; 9485

Zhang H, Hassler U, Genest M, Fernandes H, Robitaille F, Ibarra-Castanedo C, Joncas S, Maldague X Comparative study on submillimeter flaws in stitched T-joint carbon fiber reinforced polymer by Infrared thermography microcomputed tomography ultrasonic c-scan and microscopic inspection. *Optical Engineering* 2015; 54(1)0 AR 104109

Zhang H, Hassler U, Genest M, Fernandes H, Robitaille F, Ibarra-Castanedo C, Joncas S, Maldague X Comparative study on submillimeter flaws in stitched T-joint carbon fiber reinforced polymer by Infrared thermography microcomputed tomography ultrasonic c-scan and microscopic inspection. *Optical Engineering* 2015; 54(1)0 AR 104109

Zhang H, Li X, Yang Q, Sun L, Yang X, Zhou M, Deng R, Bi L. Plant growth antibiotic uptake and prevalence of antibiotic resistance in an endophytic system of pakchoi under antibiotic exposure. *International Journal of Environmental Research and Public Health* 2017, 14 (11), art. no. 1336.

Zhang J, Lin W, Lin H, Wang Z, Dong H Identification of skin electrical injury using infrared imaging: A possible complementary tool for histological examination. *PLoS ONE* 2017, 12(1) Article Number: e0170844.

Zhang J, Ring HL, Hurley KR, Shao Q, Carlson CS, Idiyatullin D, Manuchehrabadi N, Hoopes PJ, Haynes CL, Bischof JC, Garwood M. Quantification and biodistribution of iron oxide nanoparticles in the primary clearance organs of mice using T1 contrast for heating. *Magnetic Resonance in Medicine* 2017, 78 (2): 702-712.

Zhang J-Y, Meng X-B, Xu W, Zhang W, Zhang Y. Research on the compression algorithm of the infrared thermal image sequence based on differential evolution and double exponential decay model. *The Scientific World Journal* 2014; art. no. 601506.

Zhang L, Bao Y. Effect of acclimation training on physiological changes in a randomized controlled trial in hot-humid environment. *Zhongguo ying yong sheng li xue za zhi = Zhongguo yingyong shenglixue zazhi = Chinese journal of applied physiology* 2014; 30 (6): 544-548.

Zhang L, Burant A, McCallister A, Zhao V, Koshlap KM, Degan S, Antonacci M, Branca RT. Accurate MR thermometry by hyperpolarized ¹²⁹Xe. *Magnetic Resonance in Medicine* 2017, 78 (3): 1070-1079.

Zhang L, Burant A, Mccallister A, Zhao V, Koshlap KM, Degan S, Antonacci M, Branca RT. Accurate MR thermometry by hyperpolarized ¹²⁹Xe. *Magnetic Resonance in Medicine* Article in Press

Zhang L-L, Xia G-M, Liu Y-J, Dou R, Eisenbrey J, Liu J-B, Wang X-W, Qian L-X. Effect of a poloxamer 407-based thermosensitive gel on minimization of thermal injury to diaphragm during microwave ablation of the liver. *World Journal of Gastroenterology* 2017, 23 (12): 2141-2148.

Zhang M, Liang P, Cheng Z-G, Yu X-L, Han Z-Y, Yu J. Efficacy and safety of artificial ascites in assisting percutaneous microwave ablation of hepatic tumours adjacent to the gastrointestinal tract. *International Journal of Hyperthermia* 2014; 2014; 30 (2) 134-141.

Zhang T, Ji D, Wang F. Endovascular treatment of Brucella-infected abdominal aortic aneurysm. *Medicine (United States)* 2017, 96 (42), art. no. e7666.

Zhang X, Gan RZ. Dynamic properties of human stapedial annular ligament measured with frequency-temperature superposition. *Journal of Biomechanical Engineering* 2014; 136 (8), art. no. 081004.

Zhang X, Liu J, Schmitter S, Van De Moortele P.-F, He B. Predicting temperature increase through local SAR estimation by B1 mapping: A phantom validation at 7T . 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBC 2014, art. no. 6943788: 1107-1110.

Zhang X, Wang B, Zhao N, Tian Z, Dai Y, Nie Y, Tian J, Wang Z, Chen X. Improved tumor targeting and longer retention time of NIR fluorescent probes using bioorthogonal chemistry. *Theranostics* 2017, 7 (15), art. no. 20912, p. 20912.

Zhang XY, Zhang XY, Liu XW, Shao LW, Sun HY, Chen SY incorporating root distribution factor to evaluate soil water status for winter wheat. *Agricultural Water Management* 2015; 153: 32-41

Zhang Y, Gan M, Tomar V. Raman thermometry based thermal conductivity measurement of bovine cortical bone as a function of compressive stress. *Journal of Nanotechnology in Engineering and Medicine* 2014; 5 (2), art. no. 021003.

Zhang Y, Lv T, Zhang H, Xie X, Li Z, Chen H, Gao Y. Folate and Heptamethine Cyanine Modified Chitosan-Based Nanotheranostics for Tumor Targeted Near-Infrared Fluorescence Imaging and Photodynamic Therapy AUTHOR NAMES. *Biomacromolecules* 2017, 18(7) 2146-2160.

Zhang Y, Poorman ME, Grissom WA. Dual-echo Z-shimmed proton resonance frequency-shift magnetic resonance thermometry near metallic ablation probes: Technique and temperature precision. *Magnetic Resonance in Medicine* 2017, 78 (6): 2299-2306.

Zhang Y, Zhu Y, Zhao N, Wu J, Hu Y. Application of isothermal titration calorimeter for screening bitterness-suppressing molecules of quinine. *Food Chemistry* 2016; 190 1007-1012

Zhang YM, Feng SW, Wang L, Jj Y, Han XD, Shj L, Zhao Y. Measuring temperature in GaN-based high electron mobility transistors by cathodoluminescence spectroscopy. *Semiconductor Science and Technology* 2015; 30(5) 055016

- Zhang Z, Michaelis T, Frahm J. Towards MRI temperature mapping in real time-the proton resonance frequency method with undersampled radial MRI and nonlinear inverse reconstruction. *Quantitative Imaging in Medicine and Surgery* 2017, 7 (2): 251-258.
- Zhao C, Mumford KG, Kueper BH. Laboratory study of non-aqueous phase liquid and water co-boiling during thermal treatment. *Journal of Contaminant Hydrology* 2014; 164: 49-58
- Zhao H, Chen D, Tang J, Jia G, Long D, Liu G, Chen X, Shang H. Partial optimization of the 5-terminal codon increased a recombination porcine pancreatic lipase (oPL) expression in *pichia pastoris*. *PLoS ONE* 2014; 9 (12) Art. No. e114385.
- Zhao J, Gao J, Chen F, Ren F, Dai R, Liu Y, Li X. Modeling and predicting the effect of temperature on the growth of *Proteus mirabilis* in chicken. *Journal of Microbiological Methods* 2014; 99 (1): 38-43.
- Zhao J, Kim HJ, Sparrow JR. Multimodal fundus imaging of sodium iodate-treated mice informs RPE susceptibility and origins of increased fundus autofluorescence. *Investigative Ophthalmology and Visual Science* 2017, 58 (4): 2152-2159.
- Zhao J-J, Song Q. Advances in rapid cooling treatment for heat stroke. *Medical Journal of Chinese People's Liberation Army* 2014; 39 (10) 838-842.
- Zhao JX, Zhou GY, Peng H, Dong YY, Ma C, Shen LY. Clinical study on real-time skin thermography used as a thermal monitor, during aesthetic laser therapy by Infrared camera. *Lasers in surgery and medicine*, 2015; 45: 16-16
- Zhao K, Cho S, Procissi D, Larson AC, Kim D-H. Non-invasive monitoring of branched Au nanoparticle-mediated photothermal ablation. *Journal of Biomedical Materials Research - Part B Applied Biomaterials* 2017, 105(8) 2352-2359.
- Zhao SB, Wang HM, Wu NM, Zhang CL. Nondestructive testing of the fatigue properties of air plasma sprayed thermal barrier coatings by pulsed thermography (1). *Russian Journal of Nondestructive Testing* 2015; 51(7): 445-456
- Zhao W-N, Xu S-Q, Liang J-F, Peng L, Liu H-L, Wang Z, Fang Q, Wang M, Yin W-Q, Zhang W-J, Lou J-N. Endothelial progenitor cells from human fetal aorta cure diabetic foot in a rat model. *Metabolism: Clinical and Experimental* 2016; 65 (12) 1755-1767
- Zhao X, Chen F, Feng Z, Li X, Zhou X.-H. Characterizing the effect of temperature fluctuation on the incidence of malaria: An epidemiological study in south-west China using the varying coefficient distributed lag non-linear model. *Malaria Journal* 2014; 13 (1), art. no. 192.
- Zhao X, Chua KJ. Studying the performance of bifurcate cryoprobes based on shape factor of cryoablative zones. *Cryobiology* 2014; 68 (3) 309-317.
- Zhao X, Yang L. The correction model and error analysis of Infrared radiation temperature measurement of semitransparent object. in: Gong H, Wu N, Ni Y, Chen W, Lu J, eds, *Proceedings of SPIE Annual Conference of the Chinese-Society-for-Optical-Engineering on Applied Optics and Photonics China (AOPC) 2015*, pp. 96742B-96742B
- Zhaojie M, Ming Z, Shengnan W, Xiaojia B, Hatch GM, Jingkai G, Li C. Amorphous solid dispersion of berberine with absorption enhancer demonstrates a remarkable hypoglycemic effect via improving its bioavailability. *International Journal of Pharmaceutics* 2014; 467 (1-2) 50-59.
- Zhen C, Xia Z, Long L, Pu Y. Accuracy of infrared ear thermometry in children: A meta-analysis and systematic review. *Clinical Pediatrics* 2014; 53 (12): 1158-1165.
- Zheng D, Bao J, Lu J, Gao C. Isolation and characterization of a furfural-degrading bacterium *Bacillus cereus* sp. strain DS1. *Current Microbiology* 2015, 70 (2) 199-205. (Epub 2014 Oct 2.)
- Zheng KY, Chang YS, Wang KH, Yao Y: Improved non-destructive testing of carbon fiber reinforced polymer (CFRP) composites using pulsed thermograph. *Polymer Testing* 2015; 46: 26-32
- Zheng KY, Chang YS, Yao Y. Defect detection in CFRP structures using pulsed thermographic data enhanced by penalized least squares methods. *Composites Part B-Engineering* 2015; 79: 351-358
- Zheng Q, Wei P, Zhou J, Zhou H, Ji F, Tang W, Li J. Case report: Perioperative management of caesarean section for a parturient with mitochondrial myopathy. *BMC Anesthesiology* 2017, 17:1 Article Number: 94.
- Zheng X, Deng Y-L, Li Q.-J, Lu H. [Assessing drug targeting of Yougui Pill Zuogui Pill and their disassembled prescriptions using infrared thermography]. *Zhongguo Zhong xi yi jie he za zhi Zhongguo Zhongxiyi jiehe zazhi = Chinese journal of integrated traditional and Western medicine / Zhongguo Zhong xi yi jie he xue hui Zhongguo Zhong yi yan jiu yuan zhu ban* 2014; 34 (4): 446-449.
- Zheng X, Mao H, Huo D, Wu W, Liu B, Jiang X. Successively activatable ultrasensitive probe for imaging tumour acidity and hypoxia. *Nature Biomedical Engineering* 2017, 1 (4), art. no. 0057.
- Zheng X, Takatsu S, Wang H, Hasegawa H. Acute intraperitoneal injection of caffeine improves endurance exercise performance in association with increasing brain dopamine release during exercise.
- Zheng Z-G, Li Y, Bisoyi HK, Wang L, Bunning TJ, Li Q. Three-dimensional control of the helical axis of a chiral

nematic liquid crystal by light. *Nature* 2016; 531 (7594) 352-356

Zherebtsova AI, Zherebtsov EA, Dunaev AV, Podmasteryev KV, Koskin AV, Pilipenko OV. A Method and a Device for Diagnostics of the Functional State of Peripheral Vessels of the Upper Limbs. *Biomedical Engineering* 2017, 51 (1): 46-51.

Zherebtsova AI, Zherebtsov EA, Dunaev AV, Podmasteryev KV, Pilipenko OV, Krupatkin AI, Khakhicheva LS, Muradyan VF. Study of the functional state of peripheral vessels in fingers of rheumatological patients by means of laser Doppler flowmetry and cutaneous thermometry measurements. *Progress in Biomedical Optics and Imaging - Proceedings of SPIE* 2016; 9917, art no 99170M

Zhong B, Xu YJ. Predicting climate change effects on surface soil organic carbon of Louisiana USA. *Environmental Monitoring and Assessment* 2014; 186 (10) 6169-6192.

Zhou B, Bai J, Liang YY, Wang KW, Lu QB, Zhang S. Detection of defects in optics based on scanning. in; Zhu J, Tam HY, Xu K, Xiao H, Han S *Proceedings of SPIE International Conference on Optical Instruments and Technology - Optoelectronic Measurement Technology and Systems*, 2015, pp. 96231F- 96231F

Zhou C, Bright F, Winskog C, Yool AJ, Byard RW. Lethal hypothermia in an animal model, not associated with basal renal epithelial vacuolization *Journal of Forensic and Legal Medicine* 2015, 21: 14-16.

Zhou C, Bright F, Winskog C, Yool AJ, Byard RW. Lethal hypothermia in an animal model not associated with basal renal epithelial vacuolization. *Journal of Forensic and Legal Medicine* 2014; 21: 14-16.

Zhou C, Wang Y, Qiao C, Dai W. Calibration method of an ultrasonic system for temperature measurement. *PLoS ONE* 2016; 11 (10), art no e0165335

Zhou HJ. [Effects of moxa-stick ignition locations on temperature of needle body and surrounding environment during warm needling]. *Zhongguo zhen jiu = Chinese acupuncture & moxibustion* 2014; 34 (7): 675-677

Zhou P, Ge S, Wang Y, Xiong W, Wang T, Xue Z. Novamin infusion: A new method to cure postoperative shivering with hypothermia. *Journal of Surgical Research* 2014; 188 (1): 69-76.

Zhou Q, Bao Y, Zhang X, Zeng L, Wang L, Wang J, Jiang W. Optimal interval for hot water immersion tail- flick test in rats. *Acta Neuropsychiatrica* 2014; 26 (4): 218-222.

Zhou RO, Liu JW, Zhang D, Zhang Q. Heatstroke model for desert dry-heat environment and observed organ damage. *American Journal of Emergency Medicine* 2014; 32 (6): 573-579.

Zhou XY, Zhou JL, Tian GY, Wang YZ. Research on Defects inspection of Solder Balls Based on Eddy Current Pulsed Thermography. *Sensors* 2015; 15(10): 25882-25897

Zhou Y, Yan B, Lei F. Postsynthetic lanthanide functionalization of nanosized metal-organic frameworks for highly sensitive ratiometric luminescent thermometry. *Chemical Communications* 2014; 50 (96): 15235-15238.

Zhou Y. Noninvasive Thermometry in High-Intensity Focused Ultrasound Ablation. *Ultrasound Quarterly* 2017, 33 (4): 253-260.

Zhu H, Feng G, Wang Q. Numerical investigation of temperature distribution in an eroded bend pipe and prediction of erosion reduced thickness. *The Scientific World Journal* 2014; art. no. 435679.

Zhu M, Sun Z, Ng CK. Image-guided thermal ablation with MR-based thermometry. *Quantitative Imaging in Medicine and Surgery* 2017, 7 (3): 356-368.

Zhu T, Yuan L, Jones G, Hua P, He G, Chen J, Zhang S. OB-RL silencing inhibits the thermoregulatory ability of Great Roundleaf Bats (*Hiosideros armiger*). *General and Comparative Endocrinology* 2014; 204, 80-87.

Zhu X, Zhao Z Wang J, Chen G, Liu QH. Active adjoint modeling method in microwave induced thermoacoustic tomography for breast tumor. *IEEE Transactions on Biomedical Engineering* 2014; 61 (7) Art. No. 6756958, 1957-1966.

Zhu Y, Wang X, Zhang J, Meng F, Deng C, Cheng R, Feijen J, Zhong Z. Exogenous vitamin C boosts the antitumor efficacy of paclitaxel containing reduction-sensitive shell-sheddable micelles in vivo. *Journal of Controlled Release* 2017, 250: 9-19.

Zhu Z, Spicer EG, Gavini CK, Goudjo-Ako AJ, Novak CM, Shi H. Enhanced sympathetic activity in mice with brown adipose tissue transplantation (transBATation). *Physiology and Behavior* 2014; 125: 21-29.

Zibly Z Graves CA, Harnof S, Hadani M, Cohen ZR. Sonoablation and alication of MRI guided focused ultrasound in a preclinical model. *Journal of Clinical Neuroscience* 2014; 21 (10) 1808- 1814.

Zidar M, Šušterič, A, Ravnik M, Kuzman D. High Throughput Prediction Approach for Monoclonal Antibody Aggregation at High Concentration. *Pharmaceutical Research* 2017, 34 (9): 1831-1839.

Ziegler B, Hirche C, Horter J, Kiefer J, Grützner P.A, Kremer T, Kneser U, Münzberg M. In view of standardization Part 2: Management of challenges in the initial treatment of burn patients in Burn Centers in Germany, Austria and Switzerland. *Burns* 2017, 43(2) 318-325.

Ziegler M, Myrach P, Neding B. Heat Treatment and Nondestructive Testing: Finding Surface Cracks using Laser-Thermography. *HTM-Journal of Heat Treatment and Materials* 2015; 70 (4): 190-195

Zilberti L, Arduino A, Bottauscio O, Chiampi M. Parametric analysis of transient skin heating induced by terahertz

radiation. *Bioelectromagnetics* 2014; 35 (5): 314-323.

Zileli M. Surgery for Primary Spine Tumors: How Radical Must We Operate? *World Neurosurgery* 2017, 100: 688-689.

Zimmermann S, Rohde D, Marwan M, Ludwig J, Achenbach S. Complete recovery after out-of-hospital cardiac arrest with prolonged (59min) mechanical cardiopulmonary resuscitation mildtherapeutic hypothermia and complex percutaneous coronary intervention for ST-elevation myocardial infarction. *Heart and Lung: Journal of Acute and Critical Care* 2014; 43 (1): 62-65.

Zionts LE. CORR Insights®: The 2017 ABJS Nicolas Andry Award: Advancing Personalized Medicine for Clubfoot Through Translational Research. *Clinical Orthopaedics and Related Research* 2017, 475 (6): 1726-1729.

Zipursky S, Djingarey MH, Lodjo J.-C, Olodo L, Tiendrebeogo S, Ronveaux O. Benefits of using vaccines out of the cold chain: Delivering Meningitis A vaccine in a controlled temperature chain during the mass immunization campaign in Benin. *Vaccine* 2014; 32 (13): 1431-1435

Zoboli Pezzucchi M, Brioschi ML, Jacobsen Teixeira M. An infrared imaging case study: facial pain caused by pulpitis (extended abstract) *Thermology international* 2014; 24(1) 20

Zore Z, Filipovic-Zore I, Stanec M, Batinian G, Matejcic A, Association of clinical histopathological and immunohistochemical prognostic factors of invasive breast tumors and thermographic findings. *Infrared Physics & Technology* 2015; 68: 201-205

Zornoza-Moreno M, Fuentes-Hernández S, Carrión V, Alcántara-López MV, Madrid JA, López-Soler C, Sánchez-Solís M, Larqué, E. Is low docosahexaenoic acid associated with disturbed rhythms and neurodevelopment in offsprings of diabetic mothers? *European Journal of Clinical Nutrition* 2014; 68 (8): 931-937.

Zosa BM, Golob JF, Conrad-Schnetz KJ, Schechtman D, Kreiner LA, Claridge JA. Current Pneumonia Surveillance Methodology: Similar Underestimation in Trauma and Surgical Patients in the Intensive Care Unit. *Surgical Infections* 2017, 18 (5): 558-562.

Zou C, Tie C, Pan M, Wan Q, Liang C, Liu X, Chung Y-C. Referenceless MR thermometry - A comparison of five methods. *Physics in Medicine and Biology* 2017, 62 (1): 1-16.

Zou H, Huang FZ. A novel intelligent fault diagnosis method for electrical equipment using Infrared thermography. *Infrared Physics & Technology* 2015; 73: 29-35

Zucconi F, Colombo PE, Pasetto S, Lascialfari A, Ticca C, Torresin A. Analysis and reduction of thermal dose errors in MRgFUS treatment. *Physica Medica* 2014; 30 (1) 111-116.

Zumbrunnen M. Paradigm shift allows for readily available therapeutic hypothermia treatment of the head region. *Journal of Medical Devices Transactions of the ASME* 2014; 8 (2), art. no. 020921

Zupancic M, Steinbacher M, Gregorcic P, Golobic I. Enhanced pool-boiling heat transfer on laser-made hydrophobic /superhydrophilic polydimethylsiloxane-silica patterned surfaces. *Applied Thermal Engineering* 2015; 91: 288-297.

Zurbuchen U, Poch F, Gemeinhardt O, Kreis ME, Niehues SM, Vahldieck JL, Lehmann KS. Determination of the electrical conductivity of human liver metastases: Impact on therapy planning in the radiofrequency ablation of liver tumors. *Acta Radiologica* 2017, 58 (2): 164-169.