

Joaquim Mendes

List of Publications by Year in descending order

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Version: 2024-02-01

188
papers

1,565
citations

394421

19
h-index

434195

31
g-index

193
all docs

193
docs citations

193
times ranked

1820
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing the Influence of the Stimulation Duration in the Transient Thermal Test – Experimental and FEM Simulation. <i>Experimental Techniques</i> , 2023, 47, 381-394.	1.5	3
2	Lock-in thermal test with corrected optical stimulation. <i>Quantitative InfraRed Thermography Journal</i> , 2022, 19, 261-282.	4.2	5
3	Comparison of two pharmacokinetic–pharmacodynamic models of rocuronium bromide during profound neuromuscular block: analysis of estimated and measured post-tetanic count effect. <i>British Journal of Anaesthesia</i> , 2022, , .	3.4	2
4	Forehead, Temple and Wrist Temperature Assessment of Ethnic Groups using Infrared Technology. <i>Medical Engineering and Physics</i> , 2022, 102, 103777.	1.7	2
5	Detecting bone lesions in the emergency room with medical infrared thermography. <i>BioMedical Engineering Online</i> , 2022, 21, .	2.7	5
6	Evaluating physiological progression of chronic tibial osteomyelitis using infrared thermography. <i>Research on Biomedical Engineering</i> , 2022, 38, 941-953.	2.2	1
7	Electromyographic assessment of blink reflex throughout the transition from responsiveness to unresponsiveness during induction with propofol and remifentanyl. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 1279-1289.	1.6	1
8	Dental Implant Retentive Force Analysis. , 2021, , .		0
9	Tooth Position in Wind Instrument Players: Dentofacial Cephalometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4306.	2.6	3
10	Role of thermography in the assessment of temporomandibular disorders and other musculoskeletal conditions: A systematic review. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021, 235, 1099-1112.	1.8	3
11	Comparison of machine learning strategies for infrared thermography of skin cancer. <i>Biomedical Signal Processing and Control</i> , 2021, 69, 102872.	5.7	29
12	Antimicrobial profile of a dental implant abutment coating to prevent adhesion and migration of bacteria and screw loosening. <i>Dental Materials</i> , 2021, 37, e493-e501.	3.5	4
13	Implementation of Neural Networks to Frontal Electroencephalography for the Identification of the Transition Responsiveness/Unresponsiveness During Induction of General Anesthesia. <i>Irbm</i> , 2021, 42, 390-397.	5.6	0
14	Meta-Analysis and Systematic Review of the Application of Machine Learning Classifiers in Biomedical Applications of Infrared Thermography. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 842.	2.5	25
15	The Challenge of Dental Education After COVID-19 Pandemic – Present and Future Innovation Study Design. <i>Inquiry (United States)</i> , 2021, 58, 004695802110182.	0.9	6
16	The Thermal Influence of Oral Rehabilitation on the Cranio-Cervico-Mandibular Complex: A Thermographic Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10441.	2.6	1
17	Analyzing the Influence of Thermal NDT Parameters on Test Performance. <i>Russian Journal of Nondestructive Testing</i> , 2021, 57, 727-737.	0.9	3
18	Evaluation of Tibia Bone Healing by Infrared Thermography: A Case Study. <i>Journal of Multidisciplinary Healthcare</i> , 2021, Volume 14, 3161-3175.	2.7	3

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19	Patterns of Hysteresis Between Induction and Emergence of Neuroanesthesia Are Present in Spinal and Intracranial Surgeries. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 82-89.	1.2	7
20	Reliability of infrared image analysis based on anatomical landmarks. <i>Infrared Physics and Technology</i> , 2020, 104, 103149.	2.9	1
21	Performance of blink reflex in patients during anesthesia induction with propofol and remifentanyl: prediction probabilities and multinomial logistic analysis. <i>BioMedical Engineering OnLine</i> , 2020, 19, 84.	2.7	1
22	Detecting Vasodilation as Potential Diagnostic Biomarker in Breast Cancer Using Deep Learning-Driven Thermomics. <i>Biosensors</i> , 2020, 10, 164.	4.7	16
23	Novel laser-assisted glass frit encapsulation for long-lifetime perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20037-20046.	10.3	26
24	Orofacial Trauma on the Anterior Zone of a Trumpetâ€™s Player Maxilla: Concept of the Oral Rehabilitationâ€™A Case Report. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9423.	2.6	2
25	An Active Implant to Restore Dental Proprioceptivity. , 2020, , .		1
26	Raynaudâ€™s Phenomenon Impact on Quotidian Quality of Life. <i>International Journal of Online and Biomedical Engineering</i> , 2020, 16, 88.	1.4	0
27	Craniofacial morphology of wind and string instrument players: a cephalometric study. <i>BMC Medical Imaging</i> , 2020, 20, 57.	2.7	4
28	Infrared thermography of the crÃ¢nio-cervico-mandibular complex in wind and string instrumentalists. <i>International Archives of Occupational and Environmental Health</i> , 2020, 93, 645-658.	2.3	8
29	Thermographic assessment of vital and non-vital anterior teeth: A comparative study. <i>Infrared Physics and Technology</i> , 2020, 106, 103232.	2.9	3
30	Adhesive dentistry sensory stimulus technique as a neuromechanism for the treatment of orofacial pain associated to temporomandibular disorders: Case study. <i>Journal of Oral Biology and Craniofacial Research</i> , 2020, 10, 6-12.	1.9	2
31	TOF-Watch NMB Monitoring Misleading Display Output During Moderate Neuromuscular Blockade. <i>IFMBE Proceedings</i> , 2020, , 768-775.	0.3	0
32	Usefulness of the Blink Reflex to Assess the Effect of Propofol During Induction of Anesthesia in Surgical Patients. <i>IFMBE Proceedings</i> , 2020, , 1057-1063.	0.3	0
33	Thermal Variations in Osteoporosis After Aclastaâ€™ Administration: Case Study. <i>International Journal of Online and Biomedical Engineering</i> , 2020, 16, 82.	1.4	3
34	A Smart Dental Prosthesis to Restore Dental Proprioceptivity. , 2020, , .		0
35	Skin temperature of the foot: comparing transthyretin Familial Amyloid Polyneuropathy and Diabetic Foot patients. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2019, 7, 504-511.	1.9	2
36	Dimethylaminoparthenolide reduces the incidence of dysplasia and ameliorates a wasting syndrome in HPV16â€™transgenic mice. <i>Drug Development Research</i> , 2019, 80, 824-830.	2.9	12

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37	Evaluation of Bispectral Index time delay in response to anesthesia induction: an observational study. Brazilian Journal of Anesthesiology (Elsevier), 2019, 69, 377-382.	0.4	6
38	Relationship between skin temperature and soft tissue hardness in diabetic patients: an exploratory study. Physiological Measurement, 2019, 40, 074007.	2.1	5
39	Integrating piezoresistive sensors on the embouchure analysis of the lower lip in single reed instrumentalists: implementation of the lip pressure appliance (LPA). Clinical and Experimental Dental Research, 2019, 5, 491-496.	1.9	7
40	The Functional Interdependence of Wind Instrumentalists's™ Embouchure and Their Craniofacial Features. International Journal of Online and Biomedical Engineering, 2019, 15, 17.	1.4	2
41	Are there any solutions for improving the cleft area hygiene in patients with cleft lip and palate? A systematic review. International Journal of Dental Hygiene, 2019, 17, 130-141.	1.9	16
42	A new classification of wind instruments: Orofacial considerations. Journal of Oral Biology and Craniofacial Research, 2019, 9, 268-276.	1.9	9
43	Salt content in pre-packaged foods available in Portuguese market. Food Control, 2019, 106, 106670.	5.5	7
44	Bilateral assessment of body core temperature through axillar, tympanic and inner canthi thermometers in a young population. Physiological Measurement, 2019, 40, 094001.	2.1	17
45	The role of AI classifiers in skin cancer images. Skin Research and Technology, 2019, 25, 750-757.	1.6	17
46	Biomedical musculoskeletal applications of infrared thermal imaging on arm and forearm: A systematic review. Journal of Thermal Biology, 2019, 82, 164-177.	2.5	16
47	Skin neoplasms dynamic thermal assessment. , 2019, , .		3
48	Reliability of Forearm Skin Thermal Assessment During Handgrip Exercise. Studies in Systems, Decision and Control, 2019, , 447-455.	1.0	2
49	Distinguishing melanocytic nevi from melanomas using static and dynamic infrared thermal imaging. Journal of the European Academy of Dermatology and Venereology, 2019, 33, 1700-1705.	2.4	21
50	Impact of the architecture of dye sensitized solar cell-powered electrochromic devices on their photovoltaic performance and the ability to color change. Solar Energy, 2019, 182, 22-28.	6.1	12
51	Non-Destructive Infrared Lock-in Thermal Tests: Update on the Current Defect Detectability. Russian Journal of Nondestructive Testing, 2019, 55, 772-784.	0.9	11
52	Biomedical Applications of Infrared Thermal Imaging: Current State of Machine Learning Classification. Proceedings (mdpi), 2019, 27, .	0.2	17
53	Rocuronium Continuous Infusion for Profound Neuromuscular Blockade: A Systematic Review and Meta-analysis. Clinical Neuropharmacology, 2019, 42, 203-210.	0.7	4
54	¿Contamos actualmente con un método fiable para detectar el momento de pérdida de consciencia durante la inducción de la anestesia?. Revista Española De Anestesiología Y Reanimación, 2019, 66, 93-103.	0.3	6

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55	Development of hermetic glass frit encapsulation for perovskite solar cells. Journal Physics D: Applied Physics, 2019, 52, 074005.	2.8	29
56	Towards an Automated Analysis of Forearm Thermal Images During Handgrip Exercise. Lecture Notes in Networks and Systems, 2019, , 498-506.	0.7	1
57	Handgrip Evaluation: Endurance and Handedness Dominance. Lecture Notes in Networks and Systems, 2019, , 507-516.	0.7	1
58	Diabetic foot monitoring using dynamic thermography and AI classifiers. , 2019, , .		13
59	Wind Instrumentalist Embouchure and the Applied Forces on the Perioral Structures. Open Dentistry Journal, 2019, 13, 107-114.	0.5	9
60	Implementation of a custom-made mouthguard in a professional basketball team. Journal of Mechanical Engineering and Biomechanics, 2019, 3, 25-32.	0.7	1
61	Strength and Skin Temperature Assessment: Comparing Active and Geriatric Populations. International Journal of Engineering and Applied Sciences (IJEAS), 2019, 6, .	0.1	1
62	Motion Capture and MultiBody Simulations to Determine Actuation Requirements for an Assistive Exoskeleton. , 2019, , .		1
63	Craniofacial Morphology of Double Reed Instrument Players and Musical Performance. Lecture Notes in Computational Vision and Biomechanics, 2019, , 93-103.	0.5	0
64	The Application of Infrared Thermography as a Quantitative Sensory Measure of the DC/TMD. Lecture Notes in Computational Vision and Biomechanics, 2019, , 330-340.	0.5	0
65	Antero-cervical thermophysiological characterization of obstructive sleep apnea patients. Sleep and Breathing, 2018, 22, 1111-1116.	1.7	7
66	Recent use of medical infrared thermography in skin neoplasms. Skin Research and Technology, 2018, 24, 587-591.	1.6	31
67	Designing the mechanical frame of an active exoskeleton for gait assistance. Advances in Mechanical Engineering, 2018, 10, 168781401774366.	1.6	5
68	Virtual reality exercise on a home-based phase III cardiac rehabilitation program, effect on executive function, quality of life and depression, anxiety and stress: a randomized controlled trial. Disability and Rehabilitation: Assistive Technology, 2018, 13, 112-123.	2.2	61
69	Skin Temperature Bilateral Differences at Upper Limbs and Joints in Healthy Subjects. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1005-1010.	0.5	0
70	Skin Temperature of the Foot: A Comparative Study Between Familial Amyloid Polyneuropathy and Diabetic Foot Patients. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1048-1052.	0.5	0
71	Towards the Automatic Detection of Hand Fingertips and Phalanges in Thermal Images. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1053-1062.	0.5	2
72	Automatic Classification of Ulcers Through Visual Spectrum Image. Lecture Notes in Computational Vision and Biomechanics, 2018, , 297-305.	0.5	1

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73	Classification and Decision Making of Medical Infrared Thermal Images. Lecture Notes in Computational Vision and Biomechanics, 2018, , 79-104.	0.5	19
74	Skin Temperature in Diabetic Foot Patients: A Study Focusing on the Angiosome Concept. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1035-1040.	0.5	2
75	Efeitos imediatos do exerc�cio de vibra�o de corpo inteiro na simetria �rmica das pernas e tornozelos. Revista Hospital Universit�rio Pedro Ernesto, 2018, 17, 22-29.	0.1	2
76	Development and Implementation of an Intraoral Device for Occlusal Stability during Sports Performance: A Case Report. Dentistry Journal, 2018, 6, 63.	2.3	4
77	Oral hygiene of children with cleft lip and palate: Efficacy of the cleft toothbrush �A designed add�on to regular toothbrushes. International Journal of Paediatric Dentistry, 2018, 29, 213.	1.8	6
78	Neuro-fuzzy models to predict the required propofol amount for loss of consciousness during general anesthesia: a preliminary study. , 2018, , .		0
79	Feasibility of Infrared Thermography Use for Neuromusculoskeletal Rehabilitation. , 2018, , .		0
80	Thermographic Study of the Orofacial Structures Involved in Clarinetists Musical Performance. Dentistry Journal, 2018, 6, 62.	2.3	4
81	Combined Acquisition Method of Image and Signal Technique (CAMIST) for Assessment of Temporomandibular Disorders in Performing Arts Medicine. Medical Problems of Performing Artists, 2018, 33, 205-212.	0.4	7
82	Skin temperature of the foot: Reliability of infrared image analysis based in the angiosome concept. Infrared Physics and Technology, 2018, 92, 402-408.	2.9	8
83	A Prosthodontic Treatment Plan for a Saxophone Player: A Conceptual Approach. Dentistry Journal, 2018, 6, 33.	2.3	4
84	New Instrument for Oral Hygiene of Children with Cleft Lip and Palate. Applied Sciences (Switzerland), 2018, 8, 576.	2.5	2
85	EEG signatures at the transition between conscious and unconscious state during induction of general anesthesia with remifentanyl and propofol. , 2018, , .		0
86	Wind Instrumentalists and Temporomandibular Disorder: From Diagnosis to Treatment. Dentistry Journal, 2018, 6, 41.	2.3	13
87	Gesture technique analysis of the craniocervical mandibular complex in string and wind instrumentalists. Physical Medicine and Rehabilitation Research, 2018, 3, .	0.1	2
88	Thermographic Evaluation of the Saxophonists� Embouchure. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1069-1078.	0.5	0
89	Orofacial trauma management in a wind instrument player. Journal of Translational Science, 2018, 4, .	0.2	0
90	Thermography in Animal Models of Cancer. , 2018, , 132-158.		0

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91	Low temperature hermetic laser-assisted glass frit encapsulation of soda-lime glass substrates. Optics and Lasers in Engineering, 2017, 96, 107-116.	3.8	24
92	Temperature profiles obtained in thermoelastic stress test for different frequencies. International Journal of Structural Integrity, 2017, 8, 51-62.	3.3	3
93	Kinect system in home-based cardiovascular rehabilitation. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 40-47.	1.8	22
94	Infrared Thermography in Water Sports. Biological and Medical Physics Series, 2017, , 137-157.	0.4	4
95	A review on the application of medical infrared thermal imaging in hands. Infrared Physics and Technology, 2017, 85, 315-323.	2.9	33
96	The effect of virtual reality on a home-based cardiac rehabilitation program on body composition, lipid profile and eating patterns: A randomized controlled trial. European Journal of Integrative Medicine, 2017, 9, 69-78.	1.7	20
97	Infrared Thermography in Swimming. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 199-219.	0.3	1
98	Relating Aircraft Altitude with Pilot's Physiological Variables: Towards Increasing Safety in Light-sport Aviation. , 2017, , .		0
99	Small Scale Refrigerators and Freezers: Thermal Improvements in the Envelope. Journal of Environmental Science and Engineering - A, 2017, 6, .	0.2	0
100	Thermography in Animal Models of Cancer. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 237-263.	0.3	0
101	Abstract 4047: NF- κ B inhibitor DMAPT enhances cisplatin efficacy and reduces its toxicity in a carcinogen-induced model of muscle-invasive bladder cancer. , 2017, , .		0
102	Towards a detailed anthropometric body characterization using the Microsoft Kinect. Technology and Health Care, 2016, 24, 251-265.	1.2	7
103	Use of infrared thermography for the diagnosis and grading of sprained ankle injuries. Infrared Physics and Technology, 2016, 76, 530-541.	2.9	20
104	Long-term exercise training as a modulator of mammary cancer vascularization. Biomedicine and Pharmacotherapy, 2016, 81, 273-280.	5.6	34
105	Relationship between production cycles and noise patterns in loading and transport operations in quarries. , 2016, , 485-490.		1
106	Exploring On-Line Meteorological Resources in Engineering. International Journal of Online Engineering, 2016, 12, 28.	0.5	1
107	APAP - Adverse effects and mask comfort. , 2016, , .		0
108	Sensing the force during laryngoscopy. Anaesthesia, 2015, 70, 761-761.	3.8	0

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109	On-line monitoring system for tracks. , 2015, , .		6
110	Development of a portable system for online EMG monitoring. , 2015, , .		1
111	Development of an application for remote syringe pump control in anesthesia infusion. , 2015, , .		0
112	Comparison of Different Image Enhancing Techniques for Medical Thermal Images. Journal of Medical Imaging and Health Informatics, 2015, 5, 709-714.	0.3	2
113	Weighing in motion and wheel defect detection of rolling stock. , 2015, , .		6
114	Remote sensing lab for medical thermal physiological assessment. , 2015, , .		0
115	Application of Infrared Thermal Imaging in a Violinist with Temporomandibular Disorder. Medical Problems of Performing Artists, 2015, 30, 251-254.	0.4	12
116	An Agent Methodology for Processes, the Environment, and Services. , 2015, , 37-53.		2
117	<i>Qigong</i> as a Traditional Vegetative Biofeedback Therapy: Long-Term Conditioning of Physiological Mind-Body Effects. BioMed Research International, 2015, 2015, 1-6.	1.9	47
118	Implementation of a multivibrational medical device to assist the removal of teeth and roots. , 2015, , .		0
119	Medical thermal imaging procedure for HAVS assessment. , 2015, , .		0
120	A procedure for a mechanical evaluation of an undefined osteo-protective material. Accident Analysis and Prevention, 2015, 75, 285-291.	5.7	4
121	Anaesthesia induction in small mammal's using an instrumented anaesthetic chamber. , 2015, , .		2
122	The influence of two different drug infusion profiles on the pharmacodynamics model performance. IFMBE Proceedings, 2015, , 874-880.	0.3	2
123	Dynamic monitoring of railway track displacement using an optical system. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2015, 229, 280-290.	2.0	21
124	Advances in Fault-Tolerant Multi-Agent Systems. , 2015, , 7006-7017.		0
125	Three-Dimensional Analysis of the Cranio-Cervico-Mandibular Complex During Piano Performance. Medical Problems of Performing Artists, 2014, 29, 150-154.	0.4	7
126	Wearable sensor networks supported by mobile devices for fall detection. , 2014, , .		12

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127	A STATISTICAL STUDY REGARDING THE STATE-OF-THE-ART OF ACTIVE MOTION-ORIENTED ASSISTIVE DEVICES. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450047.	0.6	1
128	Laser assisted dye-sensitized solar cell sealing: From small to large cells areas. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	8
129	A platform for the design, simulation and development of quadcopter multi-agent systems. , 2014, , .		6
130	The effect of different vibration frequencies in the skin temperature in healthy subjects. , 2014, , .		4
131	Numerical procedures as a complement to an experimental remote system. , 2014, , .		1
132	The facial thermal effect of dynamic mechanical and vascular provocation tests: Preliminary study. , 2014, , .		2
133	Development of a respiratory rate monitoring device for mice anesthesia induction chamber. , 2014, , .		2
134	A symbiotic simulation platform for agent-based quadcopters. , 2014, , .		2
135	Study and analysis of a cooling system for draught drinks. International Journal of Refrigeration, 2014, 45, 198-209.	3.4	0
136	Development of new research software for real-time raw electroencephalogram analysis. , 2014, , .		0
137	Identifying the Nature of Fouling Layers by Online Monitoring of the Propagation of Vibrations Along the Deposition Surface. Heat Transfer Engineering, 2014, 35, 251-257.	1.9	9
138	Portable Interface and Local Service Manager. Procedia Computer Science, 2014, 27, 67-73.	2.0	1
139	Recent application of infrared thermography in work-related musculoskeletal disorders. , 2014, , 737-741.		1
140	Sensing Bluetooth Mobility Data: Potentials and Applications. Advances in Intelligent Systems and Computing, 2014, , 419-431.	0.6	5
141	A influência do bruxismo na posição do postural da cabeça. Revista Portuguesa De Estomatologia, Medicina Dentaria E Cirurgia Maxilofacial, 2013, 54, 137-142.	0.0	0
142	Gas solute movement in packed columns – A remote control experiment. Education for Chemical Engineers, 2013, 8, e94-e104.	4.8	3
143	Assisted living: Home physiotherapy demo. , 2013, , .		0
144	Brain stimulation using an haptic thermal device. , 2013, , .		2

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145	Ultrasonographic, thermographic and histologic evaluation of MNU-induced mammary tumors in female Sprague-Dawley rats. <i>Biomedicine and Pharmacotherapy</i> , 2013, 67, 771-776.	5.6	26
146	Highly focalised thermotherapy using a ferrimagnetic cement in the treatment of a melanoma mouse model by low temperature hyperthermia. <i>International Journal of Hyperthermia</i> , 2013, 29, 121-132.	2.5	10
147	Haptic device demo using temperature feedback. , 2013, , .		2
148	Trends in mobile medical thermography. , 2013, , .		1
149	Multi-resolution simulation of taxi services on airport terminal's curbside. , 2013, , .		5
150	Development of a Kinect Rehabilitation System. <i>International Journal of Online and Biomedical Engineering</i> , 2013, 9, 38.	1.4	6
151	A Serious Game With a Thermal Haptic Mouse. <i>International Journal of Online and Biomedical Engineering</i> , 2013, 9, 74.	1.4	1
152	Glass-Glass Laser-Assisted Glass Frit Bonding. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2012, 2, 1949-1956.	2.5	24
153	Laser assisted glass frit sealing of dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 96, 43-49.	6.2	59
154	Assessment of Qigong-related effects by infrared thermography: a case study. <i>Zhong Xi Yi Jie He Xue Bao</i> , 2012, 10, 663-666.	0.7	18
155	DIGITAL LARYNGOSCOPE - A New Force Measuring Laryngoscope. , 2012, , .		0
156	Multi-usage of microwave Doppler radar in pervasive healthcare systems for elderly. , 2011, , .		17
157	An agent methodology for processes, the environment, and services. , 2011, , .		7
158	Wheelchair user's cardiovascular evaluation system to support physiotherapy sessions. , 2011, , .		1
159	Quantile-copula density forecast for wind power uncertainty modeling. , 2011, , .		19
160	Pervasive sensing and computing for wheelchairs users health assessment. , 2011, , .		2
161	Cardio-respiratory and daily activity monitor based on FMCW Doppler radar embedded in a wheelchair. , 2011, 2011, 1917-20.		25
162	Measuring the pressure in a laryngoscope blade. , 2011, , 183-186.		0

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163	Linking R&D Activities with Teaching: Water Quality Monitoring in Aquaculture as a Remote Laboratory Proxy for Environmental Studies. International Journal of Emerging Technologies in Learning, 2011, 6, .	1.3	0
164	Physiological Parameters Measurement Based on Wheelchair Embedded Sensors and Advanced Signal Processing. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2564-2574.	4.7	88
165	Carbon Dioxide Absorption in a Membrane Contactor with Color Change. Journal of Chemical Education, 2010, 87, 1377-1379.	2.3	5
166	Dual Channel Smart Sensor Embedded in a Wheelchair for Heart Rate and Autonomic Nervous System Monitoring. Mechatronic Systems and Control, 2010, 7, .	0.2	3
167	Measuring Force in a Laryngoscope. Mechatronic Systems and Control, 2010, 7, .	0.2	1
168	Monitoring cleaning-in-place of shampoo films using nanovibration technology. Sensors and Actuators B: Chemical, 2009, 136, 376-382.	7.8	24
169	Acquisition and analysis of 3D mandibular movement using a device based on electromagnetic sensors and a neural network. Journal of Medical Engineering and Technology, 2009, 33, 437-441.	1.4	10
170	Unobstrusive heart rate and respiratory rate monitor embedded on a wheelchair. , 2009, , .		32
171	Hands-on using on-line engineering: The trend to better solutions. , 2009, , .		3
172	A Remote Laboratory in Engineering Measurement. IEEE Transactions on Industrial Electronics, 2009, 56, 4836-4843.	7.9	123
173	A prototype system for acquisition and analysis of 3D mandibular movement. International Journal of Mechanics and Materials in Design, 2008, 4, 173-180.	3.0	5
174	Using nanovibrations to monitor biofouling. Biotechnology and Bioengineering, 2008, 99, 1407-1415.	3.3	44
175	Automation in Anesthesia: Computer controlled propofol infusion and data acquisition. , 2008, 2008, 5543-7.		3
176	Monitoring Deposit Build-up using a Novel Mechatronic Surface Sensor (MSS). Food and Bioproducts Processing, 2006, 84, 366-370.	3.6	23
177	Printed board positioning system using impact drive mechanism. , 0, , .		5
178	Piezo impact system for printed board sub-micron precision positioning. , 0, , .		0
179	Is it possible myogenic temporomandibular dysfunctions change the facial thermal imaging?. Clinical and Laboratorial Research in Dentistry, 0, , .	0.1	5
180	Towards the Diabetic Foot Ulcers Classification with Infrared Thermal Images. , 0, , .		13

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181	Classifying Skin Neoplasms with Infrared Thermal Images. , 0, , .		5
182	Thermal imaging in the monitoring of grade III ankle sprain rehabilitationâ€™a case study. , 0, , .		0
183	A case study in the diagnosis of a grade III ankle sprain using a combination of medical images. , 0, , .		0
184	Thermal imaging of the foot in different forms of diabetic disease. , 0, , 27-1-27-3.		1
185	Malignant melanoma characterization with thermal and visual imaging. , 0, , .		0
186	Using thermal imaging to monitor the treatment of latent myofascial trigger points in the upper trapezius. , 0, , .		0
187	The outcomes of thermal symmetry after orofacial pain acupuncture treatment. , 0, , .		0
188	Thermography applied in the diagnostic assessment of bone fractures. Research on Biomedical Engineering, 0, , 1.	2.2	2