

Emiliano Schena

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224
papers

3,832
citations

35
h-index

52
g-index

274
ext. papers

5,286
ext. citations

3.2
avg. IF

5.98
L-index

#	Paper	IF	Citations
224	AS-OCT and Ocular Hygrometer as Innovative Tools in Dry Eye Disease Diagnosis. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1647	2.6	1
223	Spatial temperature reconstructions in myocardial tissues undergoing radiofrequency ablations by performing high-resolved temperature measurements.. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022 , 1	2.4	0
222	Contactless Vital Signs Monitoring From Videos Recorded With Digital Cameras: An Overview.. <i>Frontiers in Physiology</i> , 2022 , 13, 801709	4.6	0
221	Multiscale and Multiphysics Modeling of Anisotropic Cardiac RFCA: Experimental-Based Model Calibration Multi-Point Temperature Measurements.. <i>Frontiers in Physiology</i> , 2022 , 13, 845896	4.6	1
220	Silicone-Textile Composite Resistive Strain Sensors for Human Motion-Related Parameters. <i>Sensors</i> , 2022 , 22, 3954	3.8	0
219	A Soft and Skin-Interfaced Smart Patch Based on Fiber Optics for Cardiorespiratory Monitoring. <i>Biosensors</i> , 2022 , 12, 363	5.9	0
218	Functional mimicry of Ruffini receptors with fibre Bragg gratings and deep neural networks enables a bio-inspired large-area tactile-sensitive skin. <i>Nature Machine Intelligence</i> , 2022 , 4, 425-435	22.5	4
217	A meta-learning algorithm for respiratory flow prediction from FBG-based wearables in unrestrained conditions. <i>Artificial Intelligence in Medicine</i> , 2022 , 130, 102328	7.4	0
216	Wearable device based on a flexible conductive textile for knee joint movements monitoring. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	2
215	A multi-point heart rate monitoring using a soft wearable system based on fiber optic technology. <i>Scientific Reports</i> , 2021 , 11, 21162	4.9	4
214	. <i>IEEE Sensors Journal</i> , 2021 , 21, 6847-6855	4	3
213	Laser-induced thermal response and controlled release of copper oxide nanoparticles from multifunctional polymeric nanocarriers. <i>Science and Technology of Advanced Materials</i> , 2021 , 22, 218-233	7.1	6
212	The influence of athletic performance on the highest positions of the final ranking during 2017/2018 Serie A season. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2021 , 13, 32	2.4	3
211	Personalized, Predictive, Participatory, Precision, and Preventive (P5) Medicine in Rotator Cuff Tears. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	4
210	A Wearable System with Embedded Conductive Textiles and an IMU for Unobtrusive Cardio-Respiratory Monitoring. <i>Sensors</i> , 2021 , 21,	3.8	3
209	Epidemiology of shoulder instability in Italy: A 14-years nationwide registry study. <i>Injury</i> , 2021 , 52, 862-868	3.8	1
208	Smart Mattress Based on Fiber Bragg Grating Sensors for Respiratory Monitoring: A Feasibility Test 2021 ,		2

207	Fiber Bragg Grating Sensors for Temperature Monitoring During Thermal Ablation Procedure: Experimental Assessment of Artefact Caused by Respiratory Movements. <i>IEEE Sensors Journal</i> , 2021 , 21, 13342-13349	4	5
206	Feasibility assessment of an FBG-based soft sensor embedded into a single-use surgical mask for respiratory monitoring 2021 ,		1
205	2021 ,		1
204	A smart face mask based on photoplethysmography for cardiorespiratory monitoring in occupational settings 2021 ,		1
203	A Wearable System Based on Flexible Sensors for Unobtrusive Respiratory Monitoring in Occupational Settings. <i>IEEE Sensors Journal</i> , 2021 , 21, 14369-14378	4	6
202	Non-Contact Respiratory Monitoring Using an RGB Camera for Real-World Applications. <i>Sensors</i> , 2021 , 21,	3.8	4
201	Conservative versus accelerated rehabilitation after rotator cuff repair: a systematic review and meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2021 , 22, 637	2.8	1
200	Validity Analysis of WalkerView Instrumented Treadmill for Measuring Spatiotemporal and Kinematic Gait Parameters. <i>Sensors</i> , 2021 , 21,	3.8	1
199	A Magnetic Resonance-Compatible Wearable Device Based on Functionalized Fiber Optic Sensor for Respiratory Monitoring. <i>IEEE Sensors Journal</i> , 2021 , 21, 14418-14425	4	11
198	Fiber Bragg Grating Sensors for Cardiorespiratory Monitoring: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 14069-14080	4	25
197	Fiber Optic Sensors-Based Thermal Analysis of Perfusion-Mediated Tissue Cooling in Liver Undergoing Laser Ablation. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 1066-1073	5	10
196	Laser-induced optothermal response of gold nanoparticles: From a physical viewpoint to cancer treatment application. <i>Journal of Biophotonics</i> , 2021 , 14, e202000161	3.1	17
195	Contactless Methods For Measuring Respiratory Rate: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 12821-12839	4.839	29
194	Conservative versus surgical management for patients with rotator cuff tears: a systematic review and META-analysis. <i>BMC Musculoskeletal Disorders</i> , 2021 , 22, 50	2.8	7
193	Investigation of the Heat Sink Effect During Microwave Ablation in Hepatic Tissue: Experimental and Numerical Analysis. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	4
192	Thermal analysis of laser irradiation-gold nanorod combinations at 808 nm, 940 nm, 975 nm and 1064 nm wavelengths in breast cancer model. <i>International Journal of Hyperthermia</i> , 2021 , 38, 1099-1110	3.7	3
191	Fiber Bragg Grating Sensors-based Thermometry of Gold Nanorod-enhanced Photothermal Therapy in Tumor Model. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	7
190	Techniques for Temperature Monitoring of Myocardial Tissue Undergoing Radiofrequency Ablation Treatments: An Overview. <i>Sensors</i> , 2021 , 21,	3.8	12

189	Guest Editorial Special Issue on Advances and Current Trends in Sensing Physiological Parameters for Human Wellness and Patient Monitoring. <i>IEEE Sensors Journal</i> , 2021 , 21, 13965-13966	4	
188	Soft System Based on Fiber Bragg Grating Sensor for Loss of Resistance Detection during Epidural Procedures: In Silico and In Vivo Assessment. <i>Sensors</i> , 2021 , 21,	3.8	4
187	Skin Strain Analysis of the Scapular Region and Wearables Design. <i>Sensors</i> , 2021 , 21,	3.8	2
186	Temperature Monitoring in Hyperthermia Treatments of Bone Tumors: State-of-the-Art and Future Challenges. <i>Sensors</i> , 2021 , 21,	3.8	5
185	Retear rates after rotator cuff surgery: a systematic review and meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2021 , 22, 749	2.8	4
184	Epidural Steroid Injections for Low Back Pain: A Narrative Review.. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 19,	4.6	3
183	Remote Respiratory Monitoring in the Time of COVID-19. <i>Frontiers in Physiology</i> , 2020 , 11, 635	4.6	38
182	Multipoint Temperature Monitoring of Microwave Thermal Ablation in Bones through Fiber Bragg Grating Sensor Arrays. <i>Sensors</i> , 2020 , 20,	3.8	11
181	Physical therapy and precision rehabilitation in shoulder rotator cuff disease. <i>International Orthopaedics</i> , 2020 , 44, 893-903	3.8	10
180	Influence of torso movements on a multi-sensor garment for respiratory monitoring during walking and running activities 2020 ,		3
179	A Multi-Parametric Wearable System to Monitor Neck Movements and Respiratory Frequency of Computer Workers. <i>Sensors</i> , 2020 , 20,	3.8	27
178	Scapular Dyskinesia: From Basic Science to Ultimate Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	8
177	Cost-Effectiveness of Supervised versus Unsupervised Rehabilitation for Rotator-Cuff Repair: Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	6
176	Epidemiology of Paediatric Shoulder Dislocation: A Nationwide Study in Italy from 2001 to 2014. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	7
175	Highly dense FBG arrays for millimeter-scale thermal monitoring during nanocomposite-enhanced laser ablation 2020 ,		5
174	Fiber Bragg Grating Sensors for Thermometry during Gold Nanorods-mediated Photothermal Therapy in Tumor Model 2020 ,		3
173	A new pressure guided management tool for epidural space detection: feasibility assessment in a clinical scenario. <i>Minerva Anestesiologica</i> , 2020 , 86, 736-741	1.9	6
172	New Horizons for Laser Ablation: Nanomedicine, Thermometry, and Hyperthermal Treatment Planning Tools 2020 , 145-151		1

171	Breath-Jockey: Development and Feasibility Assessment of a Wearable System for Respiratory Rate and Kinematic Parameter Estimation for Gallop Athletes. <i>Sensors</i> , 2020 , 21,	3.8	3
170	Combined trans-arterial embolisation and microwave ablation for the treatment of large unresectable hepatic metastases (>3 cm in maximal diameter). <i>International Journal of Hyperthermia</i> , 2020 , 37, 1395-1403	3.7	0
169	A Machine-Learning-Based Approach to Solve Both Contact Location and Force in Soft Material Tactile Sensors. <i>Soft Robotics</i> , 2020 , 7, 409-420	9.2	27
168	. <i>IEEE Sensors Journal</i> , 2020 , 20, 2173-2180	4	20
167	Epidemiology of Achilles tendon surgery in Italy: a nationwide registry study, from 2001 through 2015. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 687	2.8	4
166	Contactless Heart Rate Monitoring Using A Standard RGB Camera 2020 ,		1
165	2020 ,		1
164	A wearable system for respiratory and pace monitoring in running activities: a feasibility study 2020 ,		1
163	A Wearable Device Based on a Fiber Bragg Grating Sensor for Low Back Movements Monitoring. <i>Sensors</i> , 2020 , 20,	3.8	8
162	Respiratory monitoring during cycling exercise: performance assessment of a smart t-shirt embedding fiber optic sensors 2020 ,		2
161	Wearable stretchable sensor based on conductive textile fabric for shoulder motion monitoring 2020 ,		1
160	A wearable system for knee flexion/extension monitoring: design and assessment 2020 ,		4
159	Fiber Bragg Grating Sensors for Millimetric-Scale Temperature Monitoring of Cardiac Tissue Undergoing Radiofrequency Ablation: A Feasibility Assessment. <i>Sensors</i> , 2020 , 20,	3.8	5
158	Fiber Bragg Grating Sensors for Performance Evaluation of Fast Magnetic Resonance Thermometry on Synthetic Phantom. <i>Sensors</i> , 2020 , 20,	3.8	1
157	The Importance of Respiratory Rate Monitoring: From Healthcare to Sport and Exercise. <i>Sensors</i> , 2020 , 20,	3.8	42
156	A Test Bench to Assess Systems for Respiratory Monitoring of Workers 2020 ,		1
155	Conductive textile element embedded in a wearable device for joint motion monitoring 2020 ,		1
154	Virtual Reality, Augmented Reality, Gamification, and Telerehabilitation: Psychological Impact on Orthopedic PatientsSR rehabilitation. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	21

153	Temperature Monitoring During Microwave Thermal Ablation of Ex Vivo Bovine Bone: a Pilot Test 2020 ,		1
152	Fiber Bragg Gratings for Medical Applications and Future Challenges: A Review. <i>IEEE Access</i> , 2020 , 8, 156863-156888	3.5	63
151	Preliminary analysis of ultrasound elastography imaging-based thermometry on non-perfused ex vivo swine liver. <i>Journal of Ultrasound</i> , 2020 , 23, 69-75	3.4	4
150	Application of Nanoparticles and Nanomaterials in Thermal Ablation Therapy of Cancer. <i>Nanomaterials</i> , 2019 , 9,	5.4	37
149	Cardiac monitoring with a smart textile based on polymer-encapsulated FBG: influence of sensor positioning 2019 ,		5
148	Design and Development of Large-Area FBG-Based Sensing Skin for Collaborative Robotics 2019 ,		3
147	Comparison of two methods for estimating respiratory waveforms from videos without contact 2019 ,		4
146	A wearable system based on fiber Bragg grating for monitoring respiratory and heart activity of archers 2019 ,		1
145	Influence of motion artifacts on a smart garment for monitoring respiratory rate 2019 ,		4
144	Wearable System Based on Flexible FBG for Respiratory and Cardiac Monitoring. <i>IEEE Sensors Journal</i> , 2019 , 19, 7391-7398	4	71
143	. <i>IEEE Sensors Journal</i> , 2019 , 19, 7718-7725	4	35
142	Contact-Based Methods for Measuring Respiratory Rate. <i>Sensors</i> , 2019 , 19,	3.8	133
141	Validation of a Wearable Device and an Algorithm for Respiratory Monitoring During Exercise. <i>IEEE Sensors Journal</i> , 2019 , 19, 4652-4659	4	12
140	Single-plane neck movements and respiratory frequency monitoring: a smart system for computer workers 2019 ,		3
139	Performance Activities and Match Outcomes of Professional Soccer Teams during the 2016/2017 Serie A Season. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	6
138	Cardio-Respiratory Monitoring in Archery Using a Smart Textile Based on Flexible Fiber Bragg Grating Sensors. <i>Sensors</i> , 2019 , 19,	3.8	35
137	Non-Contact Monitoring of Breathing Pattern and Respiratory Rate via RGB Signal Measurement. <i>Sensors</i> , 2019 , 19,	3.8	35
136	Multi-fiber distributed thermal profiling of minimally invasive thermal ablation with scattering-level multiplexing in MgO-doped fibers. <i>Biomedical Optics Express</i> , 2019 , 10, 1282-1296	3.5	27

135	Alpine junior world ski championship: nutritional habits and performance in elite skiers. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019 , 59, 1339-1345	1.4	1
134	Injection pressures measuring for a safe peripheral nerve block. <i>Minerva Anestesiologica</i> , 2019 , 85, 1003-1013	1.0	6
133	Multiplexing of distributed temperature sensing achieved by nanoparticle-doped fibers 2019 ,		2
132	Wearable systems for shoulder kinematics assessment: a systematic review. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 546	2.8	32
131	Agar-Coated Fiber Bragg Grating Sensor for Relative Humidity Measurements: Influence of Coating Thickness and Polymer Concentration. <i>IEEE Sensors Journal</i> , 2019 , 19, 3335-3342	4	16
130	Dynamic susceptibility contrast (DSC) perfusion MRI in differential diagnosis between radionecrosis and neoangiogenesis in cerebral metastases using rCBV, rCBF and K2. <i>Radiologia Medica</i> , 2018 , 123, 545-552	6.5	18
129	Feasibility of EUS-guided Nd:YAG laser ablation of unresectable pancreatic adenocarcinoma. <i>Gastrointestinal Endoscopy</i> , 2018 , 88, 168-174.e1	5.2	44
128	Fiber Bragg Grating Probe for Relative Humidity and Respiratory Frequency Estimation: Assessment During Mechanical Ventilation. <i>IEEE Sensors Journal</i> , 2018 , 18, 2125-2130	4	21
127	Laser ablation of the biliary tree: in vivo proof of concept as potential treatment of unresectable cholangiocarcinoma. <i>International Journal of Hyperthermia</i> , 2018 , 34, 1372-1380	3.7	6
126	Smart textile for respiratory monitoring and thoraco-abdominal motion pattern evaluation. <i>Journal of Biophotonics</i> , 2018 , 11, e201700263	3.1	66
125	Detection of thermal gradients through fiber-optic Chirped Fiber Bragg Grating (CFBG): Medical thermal ablation scenario. <i>Optical Fiber Technology</i> , 2018 , 41, 48-55	2.4	30
124	Fiber optic sensors for sub-centimeter spatially resolved measurements: Review and biomedical applications. <i>Optical Fiber Technology</i> , 2018 , 43, 6-19	2.4	71
123	Predelivery uterine arteries embolization in patients affected by placental implant anomalies. <i>Radiologia Medica</i> , 2018 , 123, 71-78	6.5	12
122	Measurement system based on RGB camera signal for contactless breathing pattern and respiratory rate monitoring 2018 ,		6
121	2018 ,		3
120	Feature Extraction in Sit-to-Stand Task Using M-IMU Sensors and Evaluatiton in ParkinsonS Disease 2018 ,		2
119	Fiber Optic Sensors for Biomedical Applications 2018 , 301-333		16
118	Comparison of marker models for the analysis of the volume variation and thoracoabdominal motion pattern in untrained and trained participants. <i>Journal of Biomechanics</i> , 2018 , 76, 247-252	2.9	6

117	Multidimensional thermal mapping during radiofrequency ablation treatments with minimally invasive fiber optic sensors. <i>Biomedical Optics Express</i> , 2018 , 9, 5891-5902	3.5	7
116	Percutaneous low-dose CT-guided lung biopsy with an augmented reality navigation system: validation of the technique on 496 suspected lesions. <i>Clinical Imaging</i> , 2018 , 49, 101-105	2.7	12
115	Thermal ablation of pancreatic cancer: A systematic literature review of clinical practice and pre-clinical studies. <i>International Journal of Hyperthermia</i> , 2018 , 35, 398-418	3.7	41
114	Contactless Monitoring of Breathing Patterns and Respiratory Rate at the Pit of the Neck: A Single Camera Approach. <i>Journal of Sensors</i> , 2018 , 2018, 1-13	2	45
113	Optical Fiber Gratings for Humidity Measurements: A Review. <i>IEEE Sensors Journal</i> , 2018 , 18, 9065-9074	4	22
112	2018 ,		1
111	. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2018 , 2, 172-178	2.8	6
110	Optoelectronic Plethysmography in Clinical Practice and Research: A Review. <i>Respiration</i> , 2017 , 93, 339-354	4.5	45
109	Fiber Bragg Grating Measuring System for Simultaneous Monitoring of Temperature and Humidity in Mechanical Ventilation. <i>Sensors</i> , 2017 , 17,	3.8	36
108	. <i>IEEE Sensors Journal</i> , 2017 , 17, 6037-6043	4	57
107	Analysis of breathing via optoelectronic systems: comparison of four methods for computing breathing volumes and thoraco-abdominal motion pattern. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017 , 20, 1678-1689	2.1	14
106	A New Pressure Guided Management Tool for Epidural Space Detection: Feasibility Assessment on a Simulator. <i>Artificial Organs</i> , 2017 , 41, E320-E325	2.6	14
105	Measurements of temperature during thermal ablation treatments on ex vivo liver tissue using fiber Bragg grating sensors 2017 ,		2
104	Gold nanorod-mediated near-infrared laser ablation: in vivo experiments on mice and theoretical analysis at different settings. <i>International Journal of Hyperthermia</i> , 2017 , 33, 150-159	3.7	33
103	Stent-assisted coiling in ruptured cerebral aneurysms: multi-center experience in acute phase. <i>Radiologia Medica</i> , 2017 , 122, 43-52	6.5	20
102	Predelivery uterine arteries embolization in patients with placental implant anomalies: a cost-effective procedure. <i>Radiologia Medica</i> , 2017 , 122, 77-79	6.5	9
101	2017 ,		1
100	An integrated system for the monitoring of therapy and drug's side effects in Lymphoproliferative disorders. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 2672-2675	0.9	1

99	Laser Ablation for Cancer: Past, Present and Future. <i>Journal of Functional Biomaterials</i> , 2017 , 8,	4.8	69
98	Evaluation of Pressure Capacitive Sensors for Application in Grasping and Manipulation Analysis. <i>Sensors</i> , 2017 , 17,	3.8	1
97	Linearly chirped fiber Bragg grating response to thermal gradient: from bench tests to the real-time assessment during in vivo laser ablations of biological tissue. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-9	3.5	21
96	Performances of heated wire humidifiers during adult mechanical ventilation: Estimation of the amount of condensation 2016 ,		3
95	Design and Feasibility Assessment of a Magnetic Resonance-Compatible Smart Textile Based on Fiber Bragg Grating Sensors for Respiratory Monitoring. <i>IEEE Sensors Journal</i> , 2016 , 16, 8103-8110	4	50
94	Dynamic MR in patients affected by neurogenical claudication: technique and results from a single-center experience. <i>Neuroradiology</i> , 2016 , 58, 765-70	3.2	7
93	Feasibility assessment of magnetic resonance-thermometry on pancreas undergoing laser ablation: Sensitivity analysis of three sequences. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 80, 21-28	4.6	5
92	A Device for Respiratory Monitoring during Nutritive Sucking: Response to Neonatal Breathing Patterns. <i>Journal of Sensors</i> , 2016 , 2016, 1-9	2	2
91	Intra-Tissue Pressure Measurement in Ex Vivo Liver Undergoing Laser Ablation with Fiber-Optic Fabry-Perot Probe. <i>Sensors</i> , 2016 , 16,	3.8	17
90	Fiber Optic Sensors for Temperature Monitoring during Thermal Treatments: An Overview. <i>Sensors</i> , 2016 , 16,	3.8	103
89	2016 ,		1
88	Error of a Temperature Probe for Cancer Ablation Monitoring Caused by Respiratory Movements: Ex Vivo and In Vivo Analysis. <i>IEEE Sensors Journal</i> , 2016 , 16, 5934-5941	4	24
87	2016 ,		7
86	Ultrasound estimation of pleural effusion in geriatric patients 2016 ,		1
85	2016 ,		3
84	270 EUS-Guided Nd:YAG Laser Ablation of Locally Advanced Pancreatic Adenocarcinoma: Feasibility and Safety Study. <i>Gastrointestinal Endoscopy</i> , 2016 , 83, AB135	5.2	3
83	Estimation of optical properties of neuroendocrine pancreas tumor with double-integrating-sphere system and inverse Monte Carlo model. <i>Lasers in Medical Science</i> , 2016 , 31, 1041-50	3.1	5
82	A Novel System to Study the Coordination of Sucking and Breathing in Newborns During Bottle Feeding. <i>IEEE Sensors Journal</i> , 2016 , 1-1	4	6

81	Magnetic resonance-based thermometry during laser ablation on ex-vivo swine pancreas and liver. <i>Medical Engineering and Physics</i> , 2015 , 37, 631-41	2.4	25
80	Cone-Beam Computed Tomography (CBCT) Versus CT in Lung Ablation Procedure: Which is Faster?. <i>CardioVascular and Interventional Radiology</i> , 2015 , 38, 1231-6	2.7	23
79	Medical smart textiles based on fiber optic technology: an overview. <i>Journal of Functional Biomaterials</i> , 2015 , 6, 204-21	4.8	100
78	Estimation of anisotropy coefficient of swine pancreas, liver and muscle at 1064nm based on goniometric technique. <i>Journal of Biophotonics</i> , 2015 , 8, 422-8	3.1	9
77	Smart Textile Based on Fiber Bragg Grating Sensors for Respiratory Monitoring: Design and Preliminary Trials. <i>Biosensors</i> , 2015 , 5, 602-15	5.9	79
76	Emerging clinical applications of computed tomography. <i>Medical Devices: Evidence and Research</i> , 2015 , 8, 265-78	1.5	21
75	Magnetic resonance comparison of left-right heart volumetric and functional parameters in thalassemia major and thalassemia intermedia patients. <i>BioMed Research International</i> , 2015 , 2015, 857642	3.2	2
74	Experimental Assessment of a Variable Orifice Flowmeter for Respiratory Monitoring. <i>Journal of Sensors</i> , 2015 , 2015, 1-7	2	27
73	Feedforward Neural Network for Force Coding of an MRI-Compatible Tactile Sensor Array Based on Fiber Bragg Grating. <i>Journal of Sensors</i> , 2015 , 2015, 1-9	2	19
72	Metrological properties evaluation of a chest wall simulator during simulated quiet breathing 2015 ,		3
71	2015 ,		1
70	A Needlelike Probe for Temperature Monitoring During Laser Ablation Based on Fiber Bragg Grating: Manufacturing and Characterization. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015 , 9,	1.3	31
69	Temperature monitoring during microwave ablation in ex vivo porcine livers. <i>European Journal of Surgical Oncology</i> , 2015 , 41, 1699-705	3.6	34
68	Flow measurement in mechanical ventilation: a review. <i>Medical Engineering and Physics</i> , 2015 , 37, 257-64	2.4	79
67	Non-invasive cardiac output evaluation in postoperative cardiac surgery patients, using a new prolonged expiration-based technique. <i>Journal of Clinical Monitoring and Computing</i> , 2014 , 28, 625-32	2	1
66	Role of whole-body diffusion-weighted MRI in detecting bone metastasis. <i>Radiologia Medica</i> , 2014 , 119, 758-66	6.5	18
65	CT-based thermometry: an overview. <i>International Journal of Hyperthermia</i> , 2014 , 30, 219-27	3.7	73
64	Assessment of temperature measurement error and its correction during Nd:YAG laser ablation in porcine pancreas. <i>International Journal of Hyperthermia</i> , 2014 , 30, 328-34	3.7	36

63	Determinants of alanine aminotransferase levels in a large population from Southern Italy: relationship between alanine aminotransferase and age. <i>Digestive and Liver Disease</i> , 2014 , 46, 909-15	3.3	12
62	Dark blood versus bright blood T2 acquisition in cardiovascular magnetic resonance (CMR) for thalassaemia major (TM) patients: evaluation of feasibility, reproducibility and image quality. <i>European Journal of Radiology</i> , 2014 , 83, e8-e14	4.7	5
61	Temperature monitoring and lesion volume estimation during double-applicator laser-induced thermotherapy in ex vivo swine pancreas: a preliminary study. <i>Lasers in Medical Science</i> , 2014 , 29, 607-14	3.1	37
60	Microfabricated tactile sensors for biomedical applications: a review. <i>Biosensors</i> , 2014 , 4, 422-48	5.9	68
59	Design, development and experimental validation of a non-invasive device for recording respiratory events during bottle feeding. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2122-6	0.9	2
58	Estimation of anisotropy coefficient and total attenuation of swine liver at 850 nm based on a goniometric technique: influence of sample thickness. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2122-6	0.9	1
57	Measurement of condensed water mass during mechanical ventilation with heated wire humidifiers: experiments with and without pre-warming. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2135-8	0.9	2
56	An MR-compatible force sensor based on FBG technology for biomedical application. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 5731-4	0.9	3
55	Technological solutions and main indices for the assessment of newborns nutritive sucking: a review. <i>Sensors</i> , 2014 , 14, 634-58	3.8	32
54	Endoscopic ultrasound-guided Nd:YAG laser ablation of recurrent pancreatic neuroendocrine tumor: a promising revolution?. <i>Endoscopy</i> , 2014 , 46 Suppl 1 UCTN, E380-1	3.4	25
53	Efficacy of cathodal transcranial direct current stimulation in drug-resistant epilepsy: a proof of principle. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 530-3	0.9	9
52	Stature of caucasian elderly estimated by scapula length from chest X-ray. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 1095-8	0.9	0
51	A transistors-based, bidirectional flowmeter for neonatal ventilation: design and experimental characterization. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2131-4	0.9	2
50	Estimation of liver iron concentration by dual energy CT images: influence of X-ray energy on sensitivity. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 5129-32	0.9	2
49	. <i>IEEE Sensors Journal</i> , 2014 , 14, 4354-4360	4	12
48	Treatment of early-stage pressure ulcers by using autologous adipose tissue grafts. <i>Plastic Surgery International</i> , 2014 , 2014, 817283		18
47	Development and characterization of a Fibre Bragg Grating temperature probe for medical Laser Ablation therapy 2014 ,		2
46	Percutaneous lung biopsy: comparison between an augmented reality CT navigation system and standard CT-guided technique. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013 , 8, 837-48	3.9	33

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