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List of Publications by Year in descending order

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709
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#	ARTICLE	IF	CITATIONS
1	Monitoring and Synchronization of Cardiac and Respiratory Traces in Magnetic Resonance Imaging: A Review. IEEE Reviews in Biomedical Engineering, 2022, 15, 200-221.	13.1	9
2	Design of Fiber Bragg Grating Sensor Networks. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	8
3	An Optimized Neuro-Bee Algorithm Approach to Predict the FRP-Concrete Bond Strength of RC Beams. IEEE Access, 2022, 10, 3790-3806.	2.6	26
4	A Survey on Holes Problem in Wireless Underground Sensor Networks. IEEE Access, 2022, 10, 7852-7880.	2.6	8
5	VGA With Voltage Feedback, Constant Bandwidth and a High Degree of Independence Between Amplifier and Gain Controller. IEEE Access, 2022, 10, 3045-3065.	2.6	1
6	A Comparison of Alternative Approaches to MR Cardiac Triggering: A Pilot Study at 3 Tesla. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2594-2605.	3.9	2
7	Fiber-Optic Breathing Mask: An Alternative Solution for MRI Respiratory Triggering. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	2.4	2
8	Fiber-Optic Cardiorespiratory Monitoring and Triggering in Magnetic Resonance Imaging. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	2.4	0
9	Fiber-Optic Interferometry-Based Heart Rate Monitoring. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	3
10	Vermiculites catalyze unusual benzaldehyde and dioxane reactivity. Catalysis Today, 2021, 366, 218-226.	2.2	4
11	New Methods to Seismic Monitoring: Laboratory Comparative Study of Michelson Fiber-Optic Interferometer and Pneumatic Measurement Systems. Photonics, 2021, 8, 147.	0.9	5
12	On the Performance of Video Resolution, Motion and Dynamism in Transmission Using Near-Capacity Transceiver for Wireless Communication. Entropy, 2021, 23, 562.	1.1	8
13	Pressure Membrane FBG Sensor Realized by 3D Technology. Sensors, 2021, 21, 5158.	2.1	5
14	Performance Analysis of Sphere Packed Aided Differential Space-Time Spreading with Iterative Source-Channel Detection. Sensors, 2021, 21, 5461.	2.1	6
15	Fiber-Optic Bragg System for the Dynamic Weighing of Municipal Waste: A Pilot Study. IEEE Access, 2021, 9, 99050-99059.	2.6	0
16	COVID-19 anomaly detection and classification method based on supervised machine learning of chest X-ray images. Results in Physics, 2021, 31, 105045.	2.0	55
17	Performance Analysis of Iteratively Decoded Convergent Source Mapping with Sphere Packing-Assisted Differential Space-Time Spreading Technique for Efficient Video Transmission. Complexity, 2021, 2021, 1-16.	0.9	0
18	Predicting Perceptual Quality in Internet Television Based on Unsupervised Learning. Symmetry, 2020, 12, 1535.	1.1	4

#	ARTICLE	IF	CITATIONS
19	PDMS-FBG-Based Fiber Optic System for Traffic Monitoring in Urban Areas. IEEE Access, 2020, 8, 127648-127658.	2.6	3
20	Variability of Seismic Loading over the Surface of a Concrete Slab in Interaction with the Subsoil. Sustainability, 2020, 12, 9530.	1.6	0
21	Approach for Optimisation of Tunnel Lining Design. Applied Sciences (Switzerland), 2020, 10, 6705.	1.3	3
22	A Novel FBG-Based Triggering System for Cardiac MR Imaging at 3 Tesla: A Pilot Pre-Clinical Study. IEEE Access, 2020, 8, 181205-181223.	2.6	5
23	Voice Communication in Noisy Environments in a Smart House Using Hybrid LMS+ICA Algorithm. Sensors, 2020, 20, 6022.	2.1	12
24	A Comparison Between Novel FPGA-Based Pad Monitoring System Using Ballistocardiography and the Conventional Systems for Synchronization and Gating of CMRI at 3 Tesla: A Pilot Study. IEEE Access, 2020, 8, 4149-4170.	2.6	4
25	Design of a New Method for Detection of Occupancy in the Smart Home Using an FBG Sensor. Sensors, 2020, 20, 398.	2.1	10
26	A Hybrid QoS-QoE Estimation System for IPTV Service. Electronics (Switzerland), 2019, 8, 585.	1.8	18
27	Effect of Selected Luminescent Layers on CCT, CRI, and Response Times. Materials, 2019, 12, 2095.	1.3	11
28	Alternative Approaches to Vibration Measurement Due to the Blasting Operation: A Pilot Study. Sensors, 2019, 19, 4084.	2.1	6
29	MR Fully Compatible and Safe FBG Breathing Sensor: A Practical Solution for Respiratory Triggering. IEEE Access, 2019, 7, 123013-123025.	2.6	24
30	A Low-Cost System for Seismocardiography-Based Cardiac Triggering: A Practical Solution for Cardiovascular Magnetic Resonance Imaging at 3 Tesla. IEEE Access, 2019, 7, 118608-118629.	2.6	12
31	Ground-Borne Vibration Due to Construction Works with Respect to Brownfield Areas. Applied Sciences (Switzerland), 2019, 9, 3766.	1.3	9
32	Vital Sign Monitoring and Cardiac Triggering at 1.5 Tesla: A Practical Solution by an MR-Ballistocardiography Fiber-Optic Sensor. Sensors, 2019, 19, 470.	2.1	29
33	Fiber-Optic Interferometric Sensor for Dynamic Impact Measurement of Transport Trucks. International Journal of Engineering Research in Africa, 2019, 42, 34-46.	0.7	3
34	Free Space Optic Receiver with Strongly Overlapped Photodetectors's™ Field of View. Applied Sciences (Switzerland), 2019, 9, 343.	1.3	1
35	Methods of Power Line Interference Elimination in EMG Signal. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 2019, 40, 64-70.	0.5	5
36	Fiber-Optic Breath Sensors: A Comparison Study. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 2019, 40, 56-63.	0.5	5

#	ARTICLE	IF	CITATIONS
37	Use of Fiber-Optic Sensors for the Detection of the Rail Vehicles and Monitoring of the Rock Mass Dynamic Response Due to Railway Rolling Stock for the Civil Engineering Needs. Applied Sciences (Switzerland), 2019, 9, 134.	1.3	17
38	A Weather Forecast Model Accuracy Analysis and ECMWF Enhancement Proposal by Neural Network. Sensors, 2019, 19, 5144.	2.1	18
39	Alternative Approaches to Measurement of Ground Vibrations Due to the Vibratory Roller: A Pilot Study. Sensors, 2019, 19, 5420.	2.1	7
40	Portable Optical Fiber Bragg Grating Sensor for Monitoring Traffic Density. Applied Sciences (Switzerland), 2019, 9, 4796.	1.3	3
41	A novel modular fetal ECG STAN and HRV analysis: Towards robust hypoxia detection. Technology and Health Care, 2019, 27, 257-287.	0.5	5
42	Least Mean Squares Adaptive Algorithms Optimization for Fetal Phonocardiogram Extraction. IFAC-PapersOnLine, 2018, 51, 60-65.	0.5	4
43	Utilization of Interoperability between the BACnet and KNX Technologies for Monitoring of Operational-Technical Functions in Intelligent Buildings by Means of the PI System SW Tool. IFAC-PapersOnLine, 2018, 51, 372-377.	0.5	3
44	Assessment of the Quality of Speech Signal Processing Within Voice Control of Operational-Technical Functions in the Smart Home by Means of the PESQ Algorithm. IFAC-PapersOnLine, 2018, 51, 202-207.	0.5	6
45	Magnetic Resonance Imaging Compatible Non-Invasive Fibre-Optic Sensors Based on the Bragg Gratings and Interferometers in the Application of Monitoring Heart and Respiration Rate of the Human Body: A Comparative Study. Sensors, 2018, 18, 3713.	2.1	33
46	Improved method of heuristic classification of vowels from an acoustic signal. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 2901-2915.	0.9	1
47	Comparative Effectiveness of ICA and PCA in Extraction of Fetal ECG From Abdominal Signals: Toward Non-invasive Fetal Monitoring. Frontiers in Physiology, 2018, 9, 648.	1.3	86
48	Fiber-optic interferometric sensor for monitoring automobile and rail traffic. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 2987-2996.	0.9	8
49	Analysis of the highway tunnels monitoring using an optical fiber implemented into primary lining. Journal of Electrical Engineering, 2017, 68, 364-370.	0.4	14
50	A Non-Invasive Multichannel Hybrid Fiber-Optic Sensor System for Vital Sign Monitoring. Sensors, 2017, 17, 111.	2.1	102
51	A Phonocardiographic-Based Fiber-Optic Sensor and Adaptive Filtering System for Noninvasive Continuous Fetal Heart Rate Monitoring. Sensors, 2017, 17, 890.	2.1	75
52	Non-Invasive Fetal Monitoring: A Maternal Surface ECG Electrode Placement-Based Novel Approach for Optimization of Adaptive Filter Control Parameters Using the LMS and RLS Algorithms. Sensors, 2017, 17, 1154.	2.1	86
53	Simulator of Foetal Phonocardiographic Recordings and Foetal Heart Rate Calculator. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 0, 39, 57-64.	0.5	4