

Sc Mukhopadhyay

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.

299
papers

7,867
citations

47
h-index

80
g-index

331
ext. papers

9,914
ext. citations

2.9
avg, IF

7.13
L-index

#	Paper	IF	Citations
299	TrackInk: An IoT-Enabled Real-Time Object Tracking System in Space.. <i>Sensors</i> , 2022 , 22,	3.8	2
298	A two-stage multi-objective stochastic optimization strategy to minimize cost for electric bus depot operators. <i>Journal of Cleaner Production</i> , 2022 , 332, 129856	10.3	1
297	Fabrication and implementation of carbon nanotubes for piezoresistive-sensing applications: A review. <i>Journal of Science: Advanced Materials and Devices</i> , 2022 , 7, 100416	4.2	3
296	Metal-organic framework-based nanomaterials for bone tissue engineering and wound healing. <i>Materials Today Chemistry</i> , 2022 , 23, 100670	6.2	3
295	Internet of Things (IoT)-Enabled Pedestrian Counting in a Smart City. <i>Algorithms for Intelligent Systems</i> , 2022 , 89-104	0.5	2
294	IoT-Based Laser-Inscribed Sensors for Electrochemical Detection of Phosphate Ions. <i>Algorithms for Intelligent Systems</i> , 2022 , 79-88	0.5	
293	Wearable and Tactile E-skin for Large-Area Robots. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 171-178	0.2	
292	A Unique Developmental Study in the Design of Point-of-Care Medical Diagnostic Device for Kidney Health Care of Metastatic Brain Cancer Patients to Avoid Chemotherapy Side-Effects. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 357-365	0.2	2
291	Programming Arduino for IoT System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 81-104	0.3	
290	Bluetooth Based IoT System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 137-166	0.3	
289	Projects on IoT Systems. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 227-279	0.3	
288	Design Considerations for IoT Node. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 35-50	0.3	
287	Cloud Computing for IoT Systems. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 193-203	0.3	0
286	IoT System Design A Project Based Approach. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 9-33	0.3	
285	Programming Raspberry Pi for IoT System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 51-79	0.3	
284	LoRa Communication Based IoT System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 167-191	0.3	0
283	Simulation Based Projects on IoT Systems. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 217-226	0.3	

282	IoT System Design – The Big Picture. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 1-8	0.3	
281	Machine Learning in IoT System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 205-215	0.3	
280	WiFi Based IoT System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 105-136	0.3	
279	AFSense-ECG: Atrial Fibrillation Condition Sensing from Single Lead Electrocardiogram (ECG) Signals. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	0
278	Necessity and Available Technologies for Energy Harvesting. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 109-130	0.3	
277	Need of Flexible Sensors in the Sensing World. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 23-51	0.3	
276	Conclusion and Future Opportunities. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 229-238	0.3	
275	Flexible Pyroelectric Sensors for Energy Harvesting Applications. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 153-168	0.3	1
274	Impact of Nanotechnology on the Quality of the Flexible Sensors. <i>Smart Sensors, Measurement and Instrumentation</i> , 2022 , 53-75	0.3	
273	Carbon fiber/polymer-based composites for wearable sensors: A Review. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	2
272	Sensors and Techniques for Creatinine Detection: A Review. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	0
271	A Linear Process Analysis and Sensor Applications of a Pilot Water Treatment Plant. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 367-384	0.2	
270	IoT Enabled PoC Medical Diagnostic MEMS-Based Sensor Device for Kidney Healthcare. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 257-268	0.2	
269	Guest Editorial Special Issue on Artificial Intelligence-Based Sensors for Next Generation IoT Applications. <i>IEEE Sensors Journal</i> , 2021 , 21, 24919-24919	4	
268	A Simple Monopole Antenna with a Switchable Beam for 5G Millimeter-Wave Communication Systems. <i>Electronics (Switzerland)</i> , 2021 , 10, 2870	2.6	4
267	Development of an IoT-Enabled Portable Sulphur Sensor: A Tutorial Paper. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	
266	A 28 GHz Broadband Helical Inspired End-Fire Antenna and Its MIMO Configuration for 5G Pattern Diversity Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 405	2.6	13
265	Reduced graphene oxide for the development of wearable mechanical energy-harvesters: A review. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	3

264	Multi sensor application-based for measuring the quality of human urine on first-void urine. <i>Sensing and Bio-Sensing Research</i> , 2021 , 34, 100461	3.3	3
263	Technologies and Applications of Angle Sensors: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 7195-7206	4	17
262	Potential Applications of Mobile and Wearable Devices for Psychological Support During the COVID-19 Pandemic: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 7162-7178	4	17
261	Recent progress in the fabrication of graphene fibers and their composites for applications of monitoring human activities. <i>Applied Materials Today</i> , 2021 , 22, 100953	6.6	7
260	Enhancing osteoregenerative potential of biphasic calcium phosphates by using bioinspired ZIF8 coating. <i>Materials Science and Engineering C</i> , 2021 , 123, 111972	8.3	2
259	Sensor-Driven Achieving of Smart Living: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 10369-10391	4	23
258	SEC2: A Secure and Energy Efficient Barrier Coverage Scheduling for WSN-Based IoT Applications. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 622-634	4	0
257	Optimized Energy Control Scheme for Electric Drive of EV Powertrain Using Genetic Algorithms. <i>Energies</i> , 2021 , 14, 3529	3.1	0
256	An IoT-enabled portable sensing system with MWCNTs/PDMS sensor for nitrate detection in water. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 178, 109424	4.6	14
255	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	15
254	A randomised control trial for measuring student engagement through the Internet of Things and serious games. <i>Internet of Things (Netherlands)</i> , 2021 , 13, 100332	6.9	10
253	SleepPoseNet: Multi-View Learning for Sleep Postural Transition Recognition Using UWB. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 1305-1314	7.2	17
252	. <i>IEEE Systems Journal</i> , 2021 , 15, 4459-4469	4.3	2
251	IoT-Associated Impedimetric Biosensing for Point-of-Care Monitoring of Kidney Health. <i>IEEE Sensors Journal</i> , 2021 , 21, 14320-14329	4	11
250	A Graph-Based Fault-Tolerant Approach to Modeling QoS for IoT-Based Surveillance Applications. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3587-3604	10.7	6
249	Energy Management Systems for Residential Buildings With Electric Vehicles and Distributed Energy Resources. <i>IEEE Access</i> , 2021 , 9, 46997-47007	3.5	4
248	Performance Analysis of the Diagonal Tunneling-Based Dielectrically Modulated Tunnel FET for Bio-Sensing Applications. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
247	Wavelet Domain Optimized SavitzkyGolay Filter for the Removal of Motion Artifacts From EEG Recordings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	15

246	EV Scheduling Framework for Peak Demand Management in LV Residential Networks. <i>IEEE Systems Journal</i> , 2021 , 1-9	4.3	3
245	Development of MEMS Sensor for Detection of Creatinine using MIP Based Approach -A Tutorial Paper. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	3
244	QoS-Aware Energy Management and Node Scheduling Schemes for Sensor Network-Based Surveillance Applications. <i>IEEE Access</i> , 2021 , 9, 3065-3096	3.5	7
243	Recent progress for nanotechnology-based flexible sensors for biomedical applications 2021 , 379-428		
242	Graphene Oxide (GO) Coated Impedimetric Gas Sensor for Selective Detection of Carbon Dioxide (CO ₂) With Temperature and Humidity Compensation. <i>IEEE Sensors Journal</i> , 2021 , 21, 4241-4249	4	18
241	Recent Advancement of the Sensors for Monitoring the Water Quality Parameters in Smart Fisheries Farming. <i>Computers</i> , 2021 , 10, 26	1.9	14
240	Multi-Walled Carbon Nanotubes-Based Sensors for Strain Sensing Applications. <i>Sensors</i> , 2021 , 21,	3.8	19
239	Development of Coursework on Studying Fugitive Dust From Construction Site Using Optical-Type Dust Sensor. <i>IEEE Sensors Journal</i> , 2021 , 21, 17318-17326	4	1
238	Functionality Evaluation of Micro-Electro-Mechanical-Systems Sensor for Varied Selective Functionalization Thickness to Determine Creatinine Concentration. <i>IEEE Sensors Journal</i> , 2021 , 21, 17244-17253	4	3
237	Development and Progress in Sensors and Technologies for Human Emotion Recognition. <i>Sensors</i> , 2021 , 21,	3.8	7
236	Sensors for Sustainable Smart Cities: A Review. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8198	2.6	12
235	Design and development of an IoT-enabled portable phosphate detection system in water for smart agriculture. <i>Sensors and Actuators A: Physical</i> , 2021 , 330, 112861	3.9	15
234	Artificial Intelligence-based Sensors for Next Generation IoT Applications: A Review. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	15
233	Security Requirements for the Internet of Things: A Systematic Approach. <i>Sensors</i> , 2020 , 20,	3.8	43
232	Mussel inspired ZIF8 microcarriers: a new approach for large-scale production of stem cells.. <i>RSC Advances</i> , 2020 , 10, 20118-20128	3.7	7
231	The Effects of Random Stimulation Rate on Measurements of Auditory Brainstem Response. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 78	3.3	4
230	Electrochemical detection of calcium and magnesium in water bodies. <i>Sensors and Actuators A: Physical</i> , 2020 , 305, 111949	3.9	16
229	Interdigital sensors: Biomedical, environmental and industrial applications. <i>Sensors and Actuators A: Physical</i> , 2020 , 305, 111923	3.9	20

228	An Eddy Current Based Non-contact Displacement Sensor 2020 ,		2
227	Recent Progress in 3D Printed Mold-Based Sensors. <i>Sensors</i> , 2020 , 20,	3.8	21
226	Smart orthopaedic implants: A targeted approach for continuous postoperative evaluation in the spine. <i>Journal of Biomechanics</i> , 2020 , 104, 109690	2.9	10
225	Investigation on the Effects of Substrate, Back-Gate Bias and Front-Gate Engineering on the Performance of DMTFET-Based Biosensors. <i>IEEE Sensors Journal</i> , 2020 , 20, 10405-10414	4	7
224	Effects of Seasonal Growth Rings on the Microwave Measurement of Wood. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 7, 1-6	0.4	1
223	Development and Evaluation of Portable Low Cost Testing System for Phthalates. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 7, 1-7	0.4	
222	1/10th scale autonomous vehicle based on convolutional neural network. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 13, 1-17	0.4	
221	IoT-Based Laser-Inscribed Sensors for Detection of Sulfate in Water Bodies. <i>IEEE Access</i> , 2020 , 8, 228879-228890	3.5	29
220	IoT enabled sensor node: a tutorial paper. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 13, 1-18	0.4	2
219	Combination of Artificial Intelligence and Continuous Wave Radar Sensor in Diagnosing Breathing Disorder. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 853-863	0.4	1
218	A comprehensive review of the use of sensors for food intake detection. <i>Sensors and Actuators A: Physical</i> , 2020 , 315, 112318	3.9	1
217	A review on fabrication, characterization and implementation of wearable strain sensors. <i>Sensors and Actuators A: Physical</i> , 2020 , 315, 112355	3.9	30
216	A Review on the Use of Impedimetric Sensors for the Inspection of Food Quality. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	14
215	Decoding EEG Rhythms During Action Observation, Motor Imagery, and Execution for Standing and Sitting. <i>IEEE Sensors Journal</i> , 2020 , 20, 13776-13786	4	27
214	A-source Inverter-fed PMSM drive with fault-tolerant capability for Electric Vehicles 2020 ,		1
213	Molecularly Imprinted Polymer-based detection of creatinine towards smart sensing. <i>Medical Devices & Sensors</i> , 2020 , 3, e10133	1.6	7
212	Development of a Point-of-Care diagnostic smart sensing system to detect creatinine levels 2020 ,		5
211	IoT Enabled Intelligent Sensor Node for Smart City: Pedestrian Counting and Ambient Monitoring. <i>Sensors</i> , 2019 , 19,	3.8	35

210	Fire Sensing Technologies: A Review. <i>IEEE Sensors Journal</i> , 2019 , 19, 3191-3202	4	49
209	Gold/Polyimide-Based Resistive Strain Sensors. <i>Electronics (Switzerland)</i> , 2019 , 8, 565	2.6	17
208	Preparation and Characterization of the Selectivity Material of Nitrate Sensor. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 91-113	0.3	1
207	Sensing, Controlling, and IoT Infrastructure in Smart Building: A Review. <i>IEEE Sensors Journal</i> , 2019 , 19, 9036-9046	4	50
206	Smart Nitrate Sensor. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 ,	0.3	1
205	Interdigitated Sensor and Electrochemical Impedance Spectroscopy (EIS). <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 43-52	0.3	1
204	Temperature Compensation for Low Concentration Nitrate Measurement. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 53-72	0.3	1
203	IoT Enabled Smart Sensing System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 115-130	0.3	2
202	Carbon Nanotubes-Polydimethylsiloxane Sensor. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 91-114	0.3	
201	Laser-Assisted Printed Flexible Sensors: A Review. <i>Sensors</i> , 2019 , 19,	3.8	32
200	. <i>IEEE Sensors Journal</i> , 2019 , 19, 5239-5248	4	8
199	Printed Flexible Sensors. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 ,	0.3	1
198	Graphite-Polyimide Sensor. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 129-168	0.3	
197	. <i>IEEE Access</i> , 2019 , 7, 40019-40026	3.5	13
196	Interdigitated Sensing and Electrochemical Impedance Spectroscopy. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 83-89	0.3	
195	Carbon nanotubes and its gas-sensing applications: A review. <i>Sensors and Actuators A: Physical</i> , 2019 , 291, 107-143	3.9	109
194	Graphite-Polydimethylsiloxane Sensor. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 169-192	0.3	
193	Quantitative Assessment for Self-Tracking of Acute Stress Based on Triangulation Principle in a Wearable Sensor System. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 703-713	7.2	56

192	Finger-to-Heart (F2H): Authentication for Wireless Implantable Medical Devices. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1546-1557	7.2	28
191	Multifunctional Flexible Sensor Based on Laser-Induced Graphene. <i>Sensors</i> , 2019 , 19,	3.8	35
190	Review-Microwave Radar Sensing Systems for Search and Rescue Purposes. <i>Sensors</i> , 2019 , 19,	3.8	27
189	Silicon-Based Sensors for Biomedical Applications: A Review. <i>Sensors</i> , 2019 , 19,	3.8	46
188	Improved Capacitive Sensor for Combined Angular and Linear Displacement Sensing. <i>IEEE Sensors Journal</i> , 2019 , 19, 10253-10261	4	10
187	Optimized Autofluorescence Spectral Signature for Non-Invasive Diagnostics of Ocular Surface Squamous Neoplasia (OSSN). <i>IEEE Access</i> , 2019 , 7, 141343-141351	3.5	4
186	MIP-Based Sensor for CTx-I Detection. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 59-91	0.3	0
185	Nanoparticles-Based Flexible Wearable Sensors for Health Monitoring Applications 2019 , 245-284		
184	State-of-the-Art of Sensing Technologies for Monitoring of Bone-Health. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 7-31	0.3	5
183	Smart Aging System: Uncovering the Hidden Wellness Parameter for Well-Being Monitoring and Anomaly Detection. <i>Sensors</i> , 2019 , 19,	3.8	31
182	2019 ,		21
181	A Self-Adaptive and Wide-Range Conductivity Measurement Method Based on Planar Interdigital Electrode Array. <i>IEEE Access</i> , 2019 , 7, 173157-173165	3.5	7
180	Interdigital sensing system for detection of levels of creatinine from the samples 2019 ,		6
179	Highly selective Molecularly Imprinted Polymer for creatinine detection 2019 ,		6
178	Design and Development of an IoT enabled Pedestrian Counting and Environmental Monitoring System for a Smart City 2019 ,		10
177	A Critical Analysis of ECG-Based Key Distribution for Securing Wearable and Implantable Medical Devices. <i>IEEE Sensors Journal</i> , 2019 , 19, 1186-1198	4	16
176	Planar Interdigital Sensors and Electrochemical Impedance Spectroscopy. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 33-44	0.3	2
175	IoT-Enabled Microcontroller-Based System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2019 , 93-103,		

174	IoT-based sensing system for phosphate detection using Graphite/PDMS sensors. <i>Sensors and Actuators A: Physical</i> , 2019 , 286, 43-50	3.9	45
173	Impedimetric microsensors for biomedical applications. <i>Current Opinion in Biomedical Engineering</i> , 2019 , 9, 1-7	4.4	4
172	An Internet-of-Things Enabled Smart Sensing System for Nitrate Monitoring. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 4409-4417	10.7	62
171	Strain induced graphite/PDMS sensors for biomedical applications. <i>Sensors and Actuators A: Physical</i> , 2018 , 271, 257-269	3.9	60
170	Graphene and its sensor-based applications: A review. <i>Sensors and Actuators A: Physical</i> , 2018 , 270, 177-194	3.9	308
169	Imprinted polymer coated impedimetric nitrate sensor for real-time water quality monitoring. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 753-761	8.5	41
168	Optimization of signal quality over comfortability of textile electrodes for ECG monitoring in fog computing based medical applications. <i>Future Generation Computer Systems</i> , 2018 , 86, 515-526	7.5	88
167	Performance analysis of flexible printed sensors for robotic arm applications. <i>Sensors and Actuators A: Physical</i> , 2018 , 276, 226-236	3.9	21
166	Sensing Technologies for Monitoring Intelligent Buildings: A Review. <i>IEEE Sensors Journal</i> , 2018 , 18, 4847-4860	3.0	30
165	Heartbeats Based Biometric Random Binary Sequences Generation to Secure Wireless Body Sensor Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 2751-2759	5	99
164	Sensing technologies for monitoring of bone-health: A review. <i>Sensors and Actuators A: Physical</i> , 2018 , 274, 165-178	3.9	16
163	Development of IoT-Based Impedometric Biosensor for Point-of-Care Monitoring of Bone Loss. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2018 , 8, 211-220	5.2	28
162	Performance Assessment of Interdigital Sensor for Varied Coating Thicknesses to Detect CTX-I. <i>IEEE Sensors Journal</i> , 2018 , 18, 3924-3931	4	11
161	A Novel Robotic Tree Climbing Mechanism With Anti-Falling Functionality for Tree Pruning. <i>Journal of Mechanisms and Robotics</i> , 2018 , 10,	2.2	9
160	Detection methods of nitrate in water: A review. <i>Sensors and Actuators A: Physical</i> , 2018 , 280, 210-221	3.9	51
159	Smart Sensing System for Early Detection of Bone Loss: Current Status and Future Possibilities. <i>Journal of Sensor and Actuator Networks</i> , 2018 , 7, 10	3.8	5
158	Probabilities of False Alarm for Vital Sign Detection on the Basis of a Doppler Radar System. <i>Sensors</i> , 2018 , 18,	3.8	3
157	Nature-inspired sensor system for vital signs detection. <i>Sensors and Actuators A: Physical</i> , 2018 , 281, 76-83	3.9	3

156	A Novel High-Resolution Optical Encoder With Axially Stacked Coded Disk for Modular Joints: Physical Modeling and Experimental Validation. <i>IEEE Sensors Journal</i> , 2018 , 18, 6001-6008	4	12
155	Molecularly Imprinted Polymer-Based Electrochemical Biosensor for Bone Loss Detection. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 1264-1271	5	26
154	A temperature-compensated graphene sensor for nitrate monitoring in real-time application. <i>Sensors and Actuators A: Physical</i> , 2018 , 269, 79-90	3.9	62
153	Fabrication and implementation of printed sensors for taste sensing applications. <i>Sensors and Actuators A: Physical</i> , 2018 , 269, 53-61	3.9	37
152	A Medical-IoT based Framework for eHealth Care 2018 ,		11
151	Development of Novel Gold/PDMS Sensors for Medical Applications 2018 ,		1
150	Adaptive Energy Optimization Algorithm for Internet of Medical Things 2018 ,		5
149	A Novel Approach for Wireless Liquid Level Measurement Using SAW Sensor 2018 ,		2
148	Development of Printed Sensors for Shoe Sensing Applications 2018 ,		1
147	A Transparent Strain Sensor Based on PDMS-Embedded Conductive Fabric for Wearable Sensing Applications. <i>IEEE Access</i> , 2018 , 6, 71020-71027	3.5	35
146	Smart Home Anti-Theft System: A Novel Approach for Near Real-Time Monitoring and Smart Home Security for Wellness Protocol. <i>Applied System Innovation</i> , 2018 , 1, 42	2.4	17
145	3D printed mould-based graphite/PDMS sensor for low-force applications. <i>Sensors and Actuators A: Physical</i> , 2018 , 280, 525-534	3.9	60
144	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7333-7341	8.9	80
143	Wearable Flexible Sensors: A Review. <i>IEEE Sensors Journal</i> , 2017 , 17, 3949-3960	4	259
142	Three-Step Two-Way Decode and Forward Relay With Energy Harvesting. <i>IEEE Communications Letters</i> , 2017 , 21, 857-860	3.8	36
141	. <i>IEEE Sensors Journal</i> , 2017 , 17, 7533-7541	4	11
140	A Smart Power Meter to Monitor Energy Flow in Smart Grids: The Role of Advanced Sensing and IoT in the Electric Grid of the Future. <i>IEEE Sensors Journal</i> , 2017 , 17, 7828-7837	4	96
139	Equalization Method of the Wireless Power Transfer in an Electronic Shelf Label Power Supply System. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	

138	Anti-falling tree climbing mechanism optimization 2017 ,		2
137	Sensing system for salinity testing using laser-induced graphene sensors. <i>Sensors and Actuators A: Physical</i> , 2017 , 264, 107-116	3.9	62
136	Advances on Sensing Technologies for Smart Cities and Power Grids: A Review. <i>IEEE Sensors Journal</i> , 2017 , 17, 7596-7610	4	77
135	Performance of Coating Materials on Planar Electromagnetic Sensing Array to Detect Water Contamination. <i>IEEE Sensors Journal</i> , 2017 , 17, 5244-5251	4	19
134	Design and Modeling of MEMS-Based Trace-Level Moisture Measurement System for GIS Applications in Smart Grid Environment. <i>IEEE Sensors Journal</i> , 2017 , 17, 7758-7766	4	8
133	Flexible Printed Sensors for Ubiquitous Human Monitoring. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 135-157	0.3	2
132	Smart Sensors and Internet of Things: A Postgraduate Paper. <i>IEEE Sensors Journal</i> , 2017 , 17, 577-584	4	55
131	Tactile Sensing From Laser-Ablated Metallized PET Films. <i>IEEE Sensors Journal</i> , 2017 , 17, 7-13	4	47
130	Planar Magnetometers. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 339-360	0.3	
129	. <i>IEEE Sensors Journal</i> , 2017 , 17, 7594-7595	4	6
128	Influence of temperature and humidity on carbon based printed flexible sensors 2017 ,		1
127	Development of printed sensors for taste sensing 2017 ,		1
126	Long-range wireless technologies for IoT applications: A review 2017 ,		23
125	Detection Methodologies for Pathogen and Toxins: A Review. <i>Sensors</i> , 2017 , 17,	3.8	81
124	Sensing System for Bone Health Monitoring. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 23-44	0.3	2
123	Application of Practical Nitrate Sensor Based on Electrochemical Impedance Spectroscopy. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 109-136	0.3	6
122	Wellness Pattern Generation and Forecasting. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 145-157	0.3	
121	Wellness Protocol Development and Implementation. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 53-91	0.3	

120	Issues and Mitigation of WSNs-Based Smart Building System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 93-120	0.3	
119	Activity Detection and Wellness Pattern Generation. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 121-143	0.3	
118	Flexible carbon nanotube nanocomposite sensor for multiple physiological parameter monitoring. <i>Sensors and Actuators A: Physical</i> , 2016 , 251, 148-155	3.9	68
117	Sensors and Instrumentation towards early detection of osteoporosis 2016 ,		2
116	Novel Sensing Approach for LPG Leakage Detection Part II: Effects of Particle Size, Composition, and Coating Layer Thickness. <i>IEEE Sensors Journal</i> , 2016 , 16, 1088-1094	4	31
115	Novel Sensing Approach for LPG Leakage Detection: Part I Operating Mechanism and Preliminary Results. <i>IEEE Sensors Journal</i> , 2016 , 16, 996-1003	4	47
114	Issues and mitigation of interference, attenuation and direction of arrival in IEEE 802.15.4/ZigBee to wireless sensors and networks based smart building. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 86, 209-226	4.6	25
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