

# Sc Mukhopadhyay

## List of Publications by Year in descending order

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Version: 2024-02-01

307  
papers

11,706  
citations

25034

57  
h-index

34986

98  
g-index

331  
all docs

331  
docs citations

331  
times ranked

11176  
citing authors

#	ARTICLE	IF	CITATIONS
1	EV Scheduling Framework for Peak Demand Management in LV Residential Networks. IEEE Systems Journal, 2022, 16, 1520-1528.	4.6	12
2	Internet of Things (IoT)-Enabled Pedestrian Counting in a Smart City. Algorithms for Intelligent Systems, 2022, , 89-104.	0.6	3
3	IoT-Based Laser-Inscribed Sensors for Electrochemical Detection of Phosphate Ions. Algorithms for Intelligent Systems, 2022, , 79-88.	0.6	0
4	Wearable and Tactile E-skin for Large-Area Robots. Lecture Notes in Electrical Engineering, 2022, , 171-178.	0.4	0
5	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. Lecture Notes in Electrical Engineering, 2022, , 357-365.	0.4	3
6	Programming Arduino for IoT System. Smart Sensors, Measurement and Instrumentation, 2022, , 81-104.	0.6	0
7	Bluetooth Based IoT System. Smart Sensors, Measurement and Instrumentation, 2022, , 137-166.	0.6	0
8	Projects on IoT Systems. Smart Sensors, Measurement and Instrumentation, 2022, , 227-279.	0.6	0
9	Cloud Computing for IoT Systems. Smart Sensors, Measurement and Instrumentation, 2022, , 193-203.	0.6	2
10	IoT System Design – A Project Based Approach. Smart Sensors, Measurement and Instrumentation, 2022, , 9-33.	0.6	2
11	Programming Raspberry Pi for IoT System. Smart Sensors, Measurement and Instrumentation, 2022, , 51-79.	0.6	0
12	LoRa Communication Based IoT System. Smart Sensors, Measurement and Instrumentation, 2022, , 167-191.	0.6	2
13	Simulation Based Projects on IoT Systems. Smart Sensors, Measurement and Instrumentation, 2022, , 217-226.	0.6	0
14	Machine Learning in IoT System. Smart Sensors, Measurement and Instrumentation, 2022, , 205-215.	0.6	0
15	Helix Inspired 28 GHz Broadband Antenna with End-Fire Radiation Pattern. Computers, Materials and Continua, 2022, 70, 1935-1944.	1.9	8
16	Development of an IoT-Enabled Portable Sulphur Sensor: A Tutorial Paper. IEEE Sensors Journal, 2022, 22, 10075-10088.	4.7	0
17	Metal-organic framework-based nanomaterials for bone tissue engineering and wound healing. Materials Today Chemistry, 2022, 23, 100670.	3.5	43
18	TrackInk: An IoT-Enabled Real-Time Object Tracking System in Space. Sensors, 2022, 22, 608.	3.8	4

#	ARTICLE	IF	CITATIONS
19	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.	9.3	9
20	Fabrication and implementation of carbon nanotubes for piezoresistive-sensing applications: A review. <i>Journal of Science: Advanced Materials and Devices</i> , 2022, 7, 100416.	3.1	10
21	AFSense-ECG: Atrial Fibrillation Condition Sensing From Single Lead Electrocardiogram (ECG) Signals. <i>IEEE Sensors Journal</i> , 2022, 22, 12269-12277.	4.7	9
22	Carbon Fiber/Polymer-Based Composites for Wearable Sensors: A Review. <i>IEEE Sensors Journal</i> , 2022, 22, 10235-10245.	4.7	8
23	Sensors and Techniques for Creatinine Detection: A Review. <i>IEEE Sensors Journal</i> , 2022, 22, 11427-11438.	4.7	7
24	Compact Four-Port Circularly Polarized MIMO X-Band DRA. <i>Sensors</i> , 2022, 22, 4461.	3.8	9
25	Switchable Frequency Selective Surface Based on Polydimethyl-siloxane Composite Flexible Substrate for WLAN and 5G Sub-6GHz Applications. , 2022, , .		0
26	A critical review of the recent progress on carbon nanotubes-based nanogenerators. <i>Sensors and Actuators A: Physical</i> , 2022, 344, 113743.	4.1	14
27	Wearable Sensors for Healthcare: Fabrication to Application. <i>Sensors</i> , 2022, 22, 5137.	3.8	31
28	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.	7.7	19
29	SleepPoseNet: Multi-View Learning for Sleep Postural Transition Recognition Using UWB. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 1305-1314.	6.3	43
30	A Battery Energy Storage Sizing Method for Parking Lot Equipped With EV Chargers. <i>IEEE Systems Journal</i> , 2021, 15, 4459-4469.	4.6	8
31	IoT-Associated Impedimetric Biosensing for Point-of-Care Monitoring of Kidney Health. <i>IEEE Sensors Journal</i> , 2021, 21, 14320-14329.	4.7	18
32	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.	8.7	11
33	Energy Management Systems for Residential Buildings With Electric Vehicles and Distributed Energy Resources. <i>IEEE Access</i> , 2021, 9, 46997-47007.	4.2	22
34	Performance Analysis of the Diagonal Tunneling-Based Dielectrically Modulated Tunnel FET for Bio-Sensing Applications. <i>IEEE Sensors Journal</i> , 2021, 21, 21643-21652.	4.7	18
35	Wavelet Domain Optimized Savitzkyâ€“Golay Filter for the Removal of Motion Artifacts From EEG Recordings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	31
36	Development of MEMS Sensor for Detection of Creatinine Using MIP Based Approach â€“ A Tutorial Paper. <i>IEEE Sensors Journal</i> , 2021, 21, 22170-22181.	4.7	6

#	ARTICLE	IF	CITATIONS
37	QoS-Aware Energy Management and Node Scheduling Schemes for Sensor Network-Based Surveillance Applications. <i>IEEE Access</i> , 2021, 9, 3065-3096.	4.2	11
38	Recent progress for nanotechnology-based flexible sensors for biomedical applications. , 2021, , 379-428.		1
39	Graphene Oxide (GO) Coated Impedimetric Gas Sensor for Selective Detection of Carbon Dioxide (CO <sub>2</sub> ) With Temperature and Humidity Compensation. <i>IEEE Sensors Journal</i> , 2021, 21, 4241-4249.	4.7	34
40	Recent Advancement of the Sensors for Monitoring the Water Quality Parameters in Smart Fisheries Farming. <i>Computers</i> , 2021, 10, 26.	3.3	32
41	Multi-Walled Carbon Nanotubes-Based Sensors for Strain Sensing Applications. <i>Sensors</i> , 2021, 21, 1261.	3.8	60
42	Technologies and Applications of Angle Sensors: A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 7195-7206.	4.7	51
43	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.	4.7	45
44	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.	4.3	18
45	Enhancing osteoregenerative potential of biphasic calcium phosphates by using bioinspired ZIF8 coating. <i>Materials Science and Engineering C</i> , 2021, 123, 111972.	7.3	11
46	Sensor-Driven Achieving of Smart Living: A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 10369-10391.	4.7	40
47	SEC <sup>2</sup> : 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.	5.5	2
48	Optimized Energy Control Scheme for Electric Drive of EV Powertrain Using Genetic Algorithms. <i>Energies</i> , 2021, 14, 3529.	3.1	3
49	An IoT-enabled portable sensing system with MWCNTs/PDMS sensor for nitrate detection in water. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 178, 109424.	5.0	23
50	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	1.8	49
51	Development of Coursework on Studying Fugitive Dust From Construction Site Using Optical-Type Dust Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 17318-17326.	4.7	2
52	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.	4.7	3
53	Development and Progress in Sensors and Technologies for Human Emotion Recognition. <i>Sensors</i> , 2021, 21, 5554.	3.8	36
54	Sensors for Sustainable Smart Cities: A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8198.	2.5	43

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55	Finite element modeling of temporal bone graft changes in XLIF: Quantifying biomechanical effects at adjacent levels. <i>Journal of Orthopaedic Research</i> , 2021, , .	2.3	4
56	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.	4.1	25
57	Artificial Intelligence-Based Sensors for Next Generation IoT Applications: A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 24920-24932.	4.7	75
58	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.	3.1	58
59	Reduced Graphene Oxide for the Development of Wearable Mechanical Energy-Harvesters: A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 26415-26425.	4.7	6
60	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.	4.2	4
61	Guest Editorial Special Issue on Artificial Intelligence-Based Sensors for Next Generation IoT Applications. <i>IEEE Sensors Journal</i> , 2021, 21, 24919-24919.	4.7	0
62	Wearable Sensors and Systems in the IoT. <i>Sensors</i> , 2021, 21, 7880.	3.8	8
63	A Simple Monopole Antenna with a Switchable Beam for 5G Millimeter-Wave Communication Systems. <i>Electronics (Switzerland)</i> , 2021, 10, 2870.	3.1	10
64	A comprehensive review of the use of sensors for food intake detection. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112318.	4.1	9
65	A review on fabrication, characterization and implementation of wearable strain sensors. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112355.	4.1	79
66	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, 5220.	2.6	26
67	Decoding EEG Rhythms During Action Observation, Motor Imagery, and Execution for Standing and Sitting. <i>IEEE Sensors Journal</i> , 2020, 20, 13776-13786.	4.7	58
68	A-source Inverter-fed PMSM drive with fault-tolerant capability for Electric Vehicles. , 2020, , .		3
69	Molecularly Imprinted Polymer-based detection of creatinine towards smart sensing. <i>Medical Devices &amp; Sensors</i> , 2020, 3, e10133.	2.7	11
70	Development of a Point-of-Care diagnostic smart sensing system to detect creatinine levels. , 2020, , .		6
71	Security Requirements for the Internet of Things: A Systematic Approach. <i>Sensors</i> , 2020, 20, 5897.	3.8	84
72	Mussel inspired ZIF8 microcarriers: a new approach for large-scale production of stem cells. <i>RSC Advances</i> , 2020, 10, 20118-20128.	3.6	13

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73	The Effects of Random Stimulation Rate on Measurements of Auditory Brainstem Response. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 78.	2.0	6
74	Electrochemical detection of calcium and magnesium in water bodies. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111949.	4.1	26
75	Interdigital sensors: Biomedical, environmental and industrial applications. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111923.	4.1	40
76	An Eddy Current Based Non-contact Displacement Sensor. , 2020, , .		4
77	Recent Progress in 3D Printed Mold-Based Sensors. <i>Sensors</i> , 2020, 20, 703.	3.8	37
78	Smart orthopaedic implants: A targeted approach for continuous postoperative evaluation in the spine. <i>Journal of Biomechanics</i> , 2020, 104, 109690.	2.1	19
79	Combination of Artificial Intelligence and Continuous Wave Radar Sensor in Diagnosing Breathing Disorder. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 853-863.	0.6	1
80	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	16
81	1/10th scale autonomous vehicle based on convolutional neural network. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020, 13, 1-17.	0.7	3
82	IoT-Based Laser-Inscribed Sensors for Detection of Sulfate in Water Bodies. <i>IEEE Access</i> , 2020, 8, 228879-228890.	4.2	12
83	Novel Sizing Method of Energy Storage System Considering Intermittent Usage of EVs in a Constrained Grid. , 2020, , .		1
84	IoT enabled sensor node: a tutorial paper. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020, 13, 1-18.	0.7	3
85	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.	6.3	72
86	Finger-to-Heart (F2H): Authentication for Wireless Implantable Medical Devices. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 1546-1557.	6.3	38
87	Multifunctional Flexible Sensor Based on Laser-Induced Graphene. <i>Sensors</i> , 2019, 19, 3477.	3.8	66
88	Review-Microwave Radar Sensing Systems for Search and Rescue Purposes. <i>Sensors</i> , 2019, 19, 2879.	3.8	45
89	Silicon-Based Sensors for Biomedical Applications: A Review. <i>Sensors</i> , 2019, 19, 2908.	3.8	86
90	Improved Capacitive Sensor for Combined Angular and Linear Displacement Sensing. <i>IEEE Sensors Journal</i> , 2019, 19, 10253-10261.	4.7	13

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91	Optimized Autofluorescence Spectral Signature for Non-Invasive Diagnostics of Ocular Surface Squamous Neoplasia (OSSN). IEEE Access, 2019, 7, 141343-141351.	4.2	17
92	IoT Enabled Intelligent Sensor Node for Smart City: Pedestrian Counting and Ambient Monitoring. Sensors, 2019, 19, 3374.	3.8	59
93	Fire Sensing Technologies: A Review. IEEE Sensors Journal, 2019, 19, 3191-3202.	4.7	105
94	Gold/Polyimide-Based Resistive Strain Sensors. Electronics (Switzerland), 2019, 8, 565.	3.1	33
95	Sensing, Controlling, and IoT Infrastructure in Smart Building: A Review. IEEE Sensors Journal, 2019, 19, 9036-9046.	4.7	134
96	Smart Nitrate Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , .	0.6	5
97	Interdigitated Sensor and Electrochemical Impedance Spectroscopy (EIS). Smart Sensors, Measurement and Instrumentation, 2019, , 43-52.	0.6	1
98	Temperature Compensation for Low Concentration Nitrate Measurement. Smart Sensors, Measurement and Instrumentation, 2019, , 53-72.	0.6	1
99	IoT Enabled Smart Sensing System. Smart Sensors, Measurement and Instrumentation, 2019, , 115-130.	0.6	2
100	Carbon Nanotubes-Polydimethylsiloxane Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , 91-114.	0.6	0
101	Laser-Assisted Printed Flexible Sensors: A Review. Sensors, 2019, 19, 1462.	3.8	50
102	Design of Linear Magnetic Position Sensor Used in Permanent Magnet Linear Machine With Consideration of Manufacturing Tolerances. IEEE Sensors Journal, 2019, 19, 5239-5248.	4.7	12
103	Graphite-Polyimide Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , 129-168.	0.6	0
104	Self-Identification Respiratory Disorder Based on Continuous Wave Radar Sensor System. IEEE Access, 2019, 7, 40019-40026.	4.2	26
105	Interdigitated Sensing and Electrochemical Impedance Spectroscopy. Smart Sensors, Measurement and Instrumentation, 2019, , 83-89.	0.6	1
106	Carbon nanotubes and its gas-sensing applications: A review. Sensors and Actuators A: Physical, 2019, 291, 107-143.	4.1	190
107	Graphite-Polydimethylsiloxane Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , 169-192.	0.6	0
108	Smart Aging System: Uncovering the Hidden Wellness Parameter for Well-Being Monitoring and Anomaly Detection. Sensors, 2019, 19, 766.	3.8	62

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109	Towards Machine Learning Enabled Security Framework for IoT-based Healthcare. , 2019, , .		31
110	A Self-Adaptive and Wide-Range Conductivity Measurement Method Based on Planar Interdigital Electrode Array. IEEE Access, 2019, 7, 173157-173165.	4.2	10
111	Interdigital sensing system for detection of levels of creatinine from the samples. , 2019, , .		6
112	Highly selective Molecularly Imprinted Polymer for creatinine detection. , 2019, , .		6
113	Design and Development of an IoT enabled Pedestrian Counting and Environmental Monitoring System for a Smart City. , 2019, , .		13
114	A Critical Analysis of ECG-Based Key Distribution for Securing Wearable and Implantable Medical Devices. IEEE Sensors Journal, 2019, 19, 1186-1198.	4.7	23
115	Planar Interdigital Sensors and Electrochemical Impedance Spectroscopy. Smart Sensors, Measurement and Instrumentation, 2019, , 33-44.	0.6	2
116	IoT-based sensing system for phosphate detection using Graphite/PDMS sensors. Sensors and Actuators A: Physical, 2019, 286, 43-50.	4.1	61
117	Impedimetric microsensors for biomedical applications. Current Opinion in Biomedical Engineering, 2019, 9, 1-7.	3.4	6
118	State-of-the-Art of Sensing Technologies for Monitoring of Bone-Health. Smart Sensors, Measurement and Instrumentation, 2019, , 7-31.	0.6	5
119	MIP-Based Sensor for CTx-I Detection. Smart Sensors, Measurement and Instrumentation, 2019, , 59-91.	0.6	3
120	Nanoparticles-Based Flexible Wearable Sensors for Health Monitoring Applications. , 2019, , 245-284.		1
121	An Internet-of-Things Enabled Smart Sensing System for Nitrate Monitoring. IEEE Internet of Things Journal, 2018, 5, 4409-4417.	8.7	94
122	Strain induced graphite/PDMS sensors for biomedical applications. Sensors and Actuators A: Physical, 2018, 271, 257-269.	4.1	87
123	Graphene and its sensor-based applications: A review. Sensors and Actuators A: Physical, 2018, 270, 177-194.	4.1	475
124	Imprinted polymer coated impedimetric nitrate sensor for real-time water quality monitoring. Sensors and Actuators B: Chemical, 2018, 259, 753-761.	7.8	59
125	Optimization of signal quality over comfortability of textile electrodes for ECG monitoring in fog computing based medical applications. Future Generation Computer Systems, 2018, 86, 515-526.	7.5	112
126	Performance analysis of flexible printed sensors for robotic arm applications. Sensors and Actuators A: Physical, 2018, 276, 226-236.	4.1	35



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127	Sensing Technologies for Monitoring Intelligent Buildings: A Review. IEEE Sensors Journal, 2018, 18, 4847-4860.	4.7	45
128	Heartbeats Based Biometric Random Binary Sequences Generation to Secure Wireless Body Sensor Networks. IEEE Transactions on Biomedical Engineering, 2018, 65, 2751-2759.	4.2	119
129	Sensing technologies for monitoring of bone-health: A review. Sensors and Actuators A: Physical, 2018, 274, 165-178.	4.1	22
130	Development of IoT-Based Impedometric Biosensor for Point-of-Care Monitoring of Bone Loss. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 211-220.	3.6	37
131	Performance Assessment of Interdigital Sensor for Varied Coating Thicknesses to Detect CTX-I. IEEE Sensors Journal, 2018, 18, 3924-3931.	4.7	12
132	A Novel Robotic Tree Climbing Mechanism With Anti-Falling Functionality for Tree Pruning. Journal of Mechanisms and Robotics, 2018, 10, .	2.2	18
133	Molecularly Imprinted Polymer-Based Electrochemical Biosensor for Bone Loss Detection. IEEE Transactions on Biomedical Engineering, 2018, 65, 1264-1271.	4.2	35
134	A temperature-compensated graphene sensor for nitrate monitoring in real-time application. Sensors and Actuators A: Physical, 2018, 269, 79-90.	4.1	85
135	Fabrication and implementation of printed sensors for taste sensing applications. Sensors and Actuators A: Physical, 2018, 269, 53-61.	4.1	50
136	A Medical-IoT based Framework for eHealth Care. , 2018, , .		19
137	Development of Novel Gold/PDMS Sensors for Medical Applications. , 2018, , .		1
138	Outage Probability of Vital Signs Detecting Radar Sensor System. , 2018, , .		0
139	Adaptive Energy Optimization Algorithm for Internet of Medical Things. , 2018, , .		7
140	pH Sensing of Printed Flexible Sensors. , 2018, , .		0
141	A Novel Approach for Wireless Liquid Level Measurement Using SAW Sensor. , 2018, , .		2
142	Development of Printed Sensors for Shoe Sensing Applications. , 2018, , .		1
143	A Transparent Strain Sensor Based on PDMS-Embedded Conductive Fabric for Wearable Sensing Applications. IEEE Access, 2018, 6, 71020-71027.	4.2	61
144	Smart Home Anti-Theft System: A Novel Approach for Near Real-Time Monitoring and Smart Home Security for Wellness Protocol. Applied System Innovation, 2018, 1, 42.	4.6	28

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145	3D printed mould-based graphite/PDMS sensor for low-force applications. Sensors and Actuators A: Physical, 2018, 280, 525-534.	4.1	87
146	Detection methods of nitrate in water: A review. Sensors and Actuators A: Physical, 2018, 280, 210-221.	4.1	90
147	Smart Sensing System for Early Detection of Bone Loss: Current Status and Future Possibilities. Journal of Sensor and Actuator Networks, 2018, 7, 10.	3.9	10
148	Probabilities of False Alarm for Vital Sign Detection on the Basis of a Doppler Radar System. Sensors, 2018, 18, 694.	3.8	6
149	Nature-inspired sensor system for vital signs detection. Sensors and Actuators A: Physical, 2018, 281, 76-83.	4.1	5
150	A Novel High-Resolution Optical Encoder With Axially Stacked Coded Disk for Modular Joints: Physical Modeling and Experimental Validation. IEEE Sensors Journal, 2018, 18, 6001-6008.	4.7	17
151	A Temperature Compensated Smart Nitrate-Sensor for Agricultural Industry. IEEE Transactions on Industrial Electronics, 2017, 64, 7333-7341.	7.9	111
152	Wearable Flexible Sensors: A Review. IEEE Sensors Journal, 2017, 17, 3949-3960.	4.7	379
153	Three-Step Two-Way Decode and Forward Relay With Energy Harvesting. IEEE Communications Letters, 2017, 21, 857-860.	4.1	55
154	Ventilation Monitoring and Control System for High Rise Historical Buildings. IEEE Sensors Journal, 2017, 17, 7533-7541.	4.7	15
155	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. IEEE Sensors Journal, 2017, 17, 7828-7837.	4.7	166
156	Equalization Method of the Wireless Power Transfer in an Electronic Shelf Label Power Supply System. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	1
157	Anti-falling tree climbing mechanism optimization. , 2017, , .		3
158	Sensing system for salinity testing using laser-induced graphene sensors. Sensors and Actuators A: Physical, 2017, 264, 107-116.	4.1	84
159	Advances on Sensing Technologies for Smart Cities and Power Grids: A Review. IEEE Sensors Journal, 2017, 17, 7596-7610.	4.7	136
160	Performance of Coating Materials on Planar Electromagnetic Sensing Array to Detect Water Contamination. IEEE Sensors Journal, 2017, 17, 5244-5251.	4.7	23
161	Design and Modeling of MEMS-Based Trace-Level Moisture Measurement System for GIS Applications in Smart Grid Environment. IEEE Sensors Journal, 2017, 17, 7758-7766.	4.7	14
162	Flexible Printed Sensors for Ubiquitous Human Monitoring. Smart Sensors, Measurement and Instrumentation, 2017, , 135-157.	0.6	2

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163	Smart Sensors and Internet of Things: A Postgraduate Paper. IEEE Sensors Journal, 2017, 17, 577-584.	4.7	79
164	Tactile Sensing From Laser-Ablated Metallized PET Films. IEEE Sensors Journal, 2017, 17, 7-13.	4.7	62
165	Planar Magnetometers. Smart Sensors, Measurement and Instrumentation, 2017, , 339-360.	0.6	0
166	Guest Editorial Special Issue on Smart Sensors for Smart Grids and Smart Cities. IEEE Sensors Journal, 2017, 17, 7594-7595.	4.7	6
167	Tree pruning robot tilting control using fuzzy logic. , 2017, , .		1
168	A novel electrochemical biosensor for bone turnover detection based on molecular imprinting technology. , 2017, , .		0
169	Influence of temperature and humidity on carbon based printed flexible sensors. , 2017, , .		3
170	Development of printed sensors for taste sensing. , 2017, , .		1
171	Long-range wireless technologies for IoT applications: A review. , 2017, , .		29
172	A Novel Secure IoT-Based Smart Home Automation System Using a Wireless Sensor Network. Sensors, 2017, 17, 69.	3.8	154
173	Detection Methodologies for Pathogen and Toxins: A Review. Sensors, 2017, 17, 1885.	3.8	126
174	Sensing System for Bone Health Monitoring. Smart Sensors, Measurement and Instrumentation, 2017, , 23-44.	0.6	2
175	Application of Practical Nitrate Sensor Based on Electrochemical Impedance Spectroscopy. Smart Sensors, Measurement and Instrumentation, 2017, , 109-136.	0.6	6
176	Wellness Pattern Generation and Forecasting. Smart Sensors, Measurement and Instrumentation, 2017, , 145-157.	0.6	0
177	Wellness Protocol Development and Implementation. Smart Sensors, Measurement and Instrumentation, 2017, , 53-91.	0.6	0
178	Activity Detection and Wellness Pattern Generation. Smart Sensors, Measurement and Instrumentation, 2017, , 121-143.	0.6	0
179	Smart Sensing System for the Prognostic Monitoring of Bone Health. Sensors, 2016, 16, 976.	3.8	22
180	Practical nitrate sensor based on electrochemical impedance measurement. , 2016, , .		10

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181	Accelerometer based human activities and posture recognition. , 2016, , .		3
182	Highly selective ion imprinted polymer based interdigital sensor for nitrite detection. , 2016, , .		6
183	Development of molecular imprinted polymer interdigital sensor for C-terminal telopeptide of type I collagen. , 2016, , .		3
184	Transparent biocompatible sensor patches for touch sensitive prosthetic limbs. , 2016, , .		11
185	Context-aware low power intelligent SmartHome based on the Internet of things. Computers and Electrical Engineering, 2016, 52, 208-222.	4.8	51
186	Electrochemical Sensing: Carcinogens in Beverages. Smart Sensors, Measurement and Instrumentation, 2016, , .	0.6	9
187	Research activities on sensing, instrumentation, and measurement: New Zealand perspective. IEEE Instrumentation and Measurement Magazine, 2016, 19, 32-38.	1.6	4
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