

Olfa Kanoun

List of Publications by Year in descending order

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Version: 2024-02-01

302
papers

4,111
citations

147801

31
h-index

168389

53
g-index

304
all docs

304
docs citations

304
times ranked

3584
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing aging effects of lithium ion batteries by impedance spectroscopy. <i>Electrochimica Acta</i> , 2006, 51, 1664-1672.	5.2	344
2	Flexible Carbon Nanotube Films for High Performance Strain Sensors. <i>Sensors</i> , 2014, 14, 10042-10071.	3.8	249
3	Review on Conductive Polymer/CNTs Nanocomposites Based Flexible and Stretchable Strain and Pressure Sensors. <i>Sensors</i> , 2021, 21, 341.	3.8	128
4	Printed MWCNT-PDMS-Composite Pressure Sensor System for Plantar Pressure Monitoring in Ulcer Prevention. <i>IEEE Sensors Journal</i> , 2015, 15, 3647-3656.	4.7	114
5	Piezoresistive characterization of multi-walled carbon nanotube-epoxy based flexible strain sensitive films by impedance spectroscopy. <i>Composites Science and Technology</i> , 2016, 122, 18-26.	7.8	114
6	Piezoresistive performance characterization of strain sensitive multi-walled carbon nanotube-epoxy nanocomposites. <i>Sensors and Actuators A: Physical</i> , 2017, 254, 61-68.	4.1	106
7	Electrochemical sensor for nitrite detection in water samples using flexible laser-induced graphene electrodes functionalized by CNT decorated by Au nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114893.	3.8	90
8	Electrical properties of multi-walled carbon nanotubes/PEDOT:PSS nanocomposites thin films under temperature and humidity effects. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 344-350.	7.8	77
9	Survey of electromagnetic and magnetoelectric vibration energy harvesters for low frequency excitation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 106, 251-263.	5.0	73
10	Investigation of the ground thermal potential in tunisia focused towards heating and cooling applications. <i>Applied Thermal Engineering</i> , 2010, 30, 1091-1100.	6.0	69
11	Energy-Aware System Design for Autonomous Wireless Sensor Nodes: A Comprehensive Review. <i>Sensors</i> , 2021, 21, 548.	3.8	69
12	A New Algorithm for Wire Fault Location Using Time-Domain Reflectometry. <i>IEEE Sensors Journal</i> , 2014, 14, 1171-1178.	4.7	68
13	Highly sensitive capacitive pressure sensors for robotic applications based on carbon nanotubes and PDMS polymer nanocomposite. <i>Journal of Sensors and Sensor Systems</i> , 2019, 8, 87-94.	0.9	58
14	Wire Fault Diagnosis in the Frequency Domain by Impedance Spectroscopy. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, 64, 2179-2187.	4.7	57
15	Ion-Imprinted Electrochemical Sensor Based on Copper Nanoparticles-Polyaniline Matrix for Nitrate Detection. <i>Journal of Sensors</i> , 2019, 2019, 1-14.	1.1	57
16	A Review of Nanocomposite-Modified Electrochemical Sensors for Water Quality Monitoring. <i>Sensors</i> , 2021, 21, 4131.	3.8	56
17	Sensor Technology Advances and Future Trends. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2004, 53, 1497-1501.	4.7	54
18	Energy harvesting for a wireless monitoring system of overhead high voltage power lines. <i>IET Generation, Transmission and Distribution</i> , 2013, 7, 101-107.	2.5	53

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19	Precision irrigation based on wireless sensor network. IET Science, Measurement and Technology, 2014, 8, 98-106.	1.6	52
20	High-resolution inkjet printing of conductive carbon nanotube twinÅlines utilizing evaporation-driven self-assembly. Carbon, 2016, 96, 382-393.	10.3	52
21	Assessing the electrical behaviour of MWCNTs/epoxy nanocomposite for strain sensing. Composites Part B: Engineering, 2017, 128, 91-99.	12.0	52
22	Flexible piezoresistive sensor matrix based on a carbon nanotube PDMS composite for dynamic pressure distribution measurement. Journal of Sensors and Sensor Systems, 2019, 8, 1-7.	0.9	48
23	Processing and characterization of MWCNTs/epoxy nanocomposites thin films for strain sensing applications. Sensors and Actuators A: Physical, 2017, 257, 65-72.	4.1	47
24	Investigation of Long Time Beef and Veal Meat Behavior by Bioimpedance Spectroscopy for Meat Monitoring. IEEE Sensors Journal, 2014, 14, 3624-3630.	4.7	44
25	Tuning the reduction and conductivity of solution-processed graphene oxide by intense pulsed light. Carbon, 2016, 102, 236-244.	10.3	44
26	Naphthalimideâ€Based Fluorescent Polymers for Molecular Detection. Advanced Optical Materials, 2021, 9, 2001913.	7.3	43
27	Generalization of transmission line models for deriving the impedance of diffusion and porous media. Electrochimica Acta, 2012, 75, 347-356.	5.2	41
28	Enhanced Passive RF-DC Converter Circuit Efficiency for Low RF Energy Harvesting. Sensors, 2017, 17, 546.	3.8	41
29	Use of stochastic methods for robust parameter extraction from impedance spectra. Electrochimica Acta, 2011, 56, 8069-8077.	5.2	40
30	Large air gap misalignment tolerable multiâ€coil inductive power transfer for wireless sensors. IET Power Electronics, 2016, 9, 1768-1774.	2.1	40
31	Electromechanical Behavior of Chemically Reduced Graphene Oxide and Multi-walled Carbon Nanotube Hybrid Material. Nanoscale Research Letters, 2016, 11, 4.	5.7	35
32	Highly Sensitive Detection of NO2 by Au and TiO2 Nanoparticles Decorated SWCNTs Sensors. Sensors, 2020, 20, 12.	3.8	31
33	Detection and localization of cable faults by time and frequency domain measurements. , 2010, , .		30
34	Wire Fault Location in Coaxial Cables by Impedance Spectroscopy. IEEE Sensors Journal, 2013, 13, 4465-4473.	4.7	30
35	High accurate and wideband current excitation for bioimpedance health monitoring systems. Measurement: Journal of the International Measurement Confederation, 2016, 79, 339-348.	5.0	30
36	Next Generation Wireless Energy Aware Sensors for Internet of Things: A Review. , 2018, , .		30

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37	Temperature-Compensated Force/Pressure Sensor Based on Multi-Walled Carbon Nanotube Epoxy Composites. <i>Sensors</i> , 2015, 15, 11133-11150.	3.8	26
38	Energy-Efficient Routing Algorithm Based on Localization and Clustering Techniques for Agricultural Applications. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 56-66.	1.3	26
39	Manganese ferrite (MnFe ₂ O ₄) as potential nanosorbent for adsorption of uranium(VI) and thorium(IV). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 323, 515-537.	1.5	26
40	A hybrid piezoelectric composite flexible film based on PVDF-HFP for boosting power generation. <i>Composites Science and Technology</i> , 2021, 208, 108769.	7.8	24
41	Redundancy Elimination for Data Aggregation in Wireless Sensor Networks. , 2018, , .		22
42	An 868MHz 7.5µW wake-up receiver with ~60dBm sensitivity. <i>Journal of Sensors and Sensor Systems</i> , 2016, 5, 433-446.	0.9	22
43	Battery Management Network for Fully Electrical Vehicles Featuring Smart Systems at Cell and Pack Level. , 2012, , 3-14.		21
44	Critical implementation issues of excitation signals for embedded wearable bioimpedance spectroscopy systems with limited resources. <i>Measurement Science and Technology</i> , 2021, 32, 084011.	2.6	21
45	Embedded Wideband Measurement System for Fast Impedance Spectroscopy Using Undersampling. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 3461-3469.	4.7	20
46	Prospects of Wireless Energy-Aware Sensors for Smart Factories in the Industry 4.0 Era. <i>Electronics (Switzerland)</i> , 2021, 10, 2929.	3.1	20
47	Design of a vibration energy harvester by twin lateral magnetoelectric transducers. , 2014, , .		19
48	Electrical impedance analysis of carbon nanotube/epoxy nanocomposite-based piezoresistive strain sensors under uniaxial cyclic static tensile loading. <i>Journal of Composite Materials</i> , 2020, 54, 845-855.	2.4	19
49	Design and implementation of a cloud-based event-driven architecture for real-time data processing in wireless sensor networks. <i>Journal of Supercomputing</i> , 2022, 78, 3374-3401.	3.6	19
50	Energy harvesting for overhead power line monitoring. , 2012, , .		18
51	Measuring Energy Consumption of a Wireless Sensor Node During Transmission: panStamp. , 2018, , .		18
52	Multiplexed Supply of a MISO Wireless Power Transfer System for Battery-Free Wireless Sensors. <i>Energies</i> , 2020, 13, 1244.	3.1	18
53	State-of-Health of Li-Ion Battery Estimation Based on the Efficiency of the Charge Transfer Extracted from Impedance Spectra. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 885.	2.5	18
54	Recent Trends of FPGA Used for Low-Power Wireless Sensor Network. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 28-38.	1.3	17

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55	Enhanced Nitrite Detection by a Carbon Screen Printed Electrode Modified with Photochemically-Made AuNPs. Chemosensors, 2022, 10, 40.	3.6	17
56	A Tuned-RF Duty-Cycled Wake-Up Receiver with $\hat{\sim}$ 90 dBm Sensitivity. Sensors, 2018, 18, 86.	3.8	16
57	Microcontrollers for IoT: Optimizations, Computing Paradigms, and Future Directions. , 2020, , .		16
58	Benchmarking-Based Investigation on Energy Efficiency of Low-Power Microcontrollers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7505-7512.	4.7	16
59	Wearable Smart Band for American Sign Language Recognition With Polymer Carbon Nanocomposite-Based Pressure Sensors. , 2021, 5, 1-4.		16
60	Impedance Spectroscopy: Applications, Advances and Future Trends. IEEE Instrumentation and Measurement Magazine, 2022, 25, 11-21.	1.6	16
61	Application of iterative deconvolution for wire fault location via reflectometry. , 2012, , .		15
62	MISO configuration efficiency in inductive power transmission for supplying wireless sensors. , 2014, , .		15
63	Evaluation of simulator tools and power-aware scheduling model for wireless sensor networks. IET Computers and Digital Techniques, 2017, 11, 173-182.	1.2	15
64	High Accuracy and Simultaneous Scanning AC Measurement Approach for Two-Dimensional Resistive Sensor Arrays. IEEE Sensors Journal, 2019, 19, 4623-4628.	4.7	15
65	Temperature Self-Compensated Strain Sensors based on MWCNT-Graphene Hybrid Nanocomposite. Journal of Composites Science, 2019, 3, 96.	3.0	15
66	Edge Devices for Internet of Medical Things: Technologies, Techniques, and Implementation. Electronics (Switzerland), 2021, 10, 2104.	3.1	15
67	Development of an Efficient Voltammetric Sensor for the Monitoring of 4-Aminophenol Based on Flexible Laser Induced Graphene Electrodes Modified with MWCNT-PANI. Sensors, 2022, 22, 833.	3.8	15
68	Detection and location of single cable fault by impedance spectroscopy. , 2014, , .		14
69	Shoe insole with MWCNT-PDMS-composite sensors for pressure monitoring. , 2017, , .		14
70	Investigation on the Influence of Solvents on MWCNT-PDMS Nanocomposite Pressure Sensitive Films. Proceedings (mdpi), 2017, 1, .	0.2	14
71	Energy-efficient techniques in wireless sensor networks. , 2018, , 287-304.		14
72	Energy management based on fractional open circuit and P-SSHI techniques for piezoelectric energy harvesting. TM Technisches Messen, 2019, 86, 14-24.	0.7	14

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73	Accurate Dynamic Voltage and Frequency Scaling Measurement for Low-Power Microcontrollers in Wireless Sensor Networks. <i>Microelectronics Journal</i> , 2020, 105, 104874.	2.0	14
74	Hand Sign Recognition System Based on EIT Imaging and Robust CNN Classification. <i>IEEE Sensors Journal</i> , 2022, 22, 1729-1737.	4.7	14
75	Electrodynamic resonant energy harvester for low frequencies and amplitudes. , 2014, , .		13
76	Investigation of the magnetostrictive effect in a terfenol-D plate under a non-uniform magnetic field by atomic force microscopy. <i>Materials and Design</i> , 2016, 97, 147-154.	7.0	13
77	Performance Analysis of Received Signal Strength and Link Quality in Wireless Sensor Networks. , 2018, , .		13
78	Comparative Study of AC Signal Analysis Methods for Impedance Spectroscopy Implementation in Embedded Systems. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 591.	2.5	13
79	Flexible Impedimetric Electronic Nose for High-Accurate Determination of Individual Volatile Organic Compounds by Tuning the Graphene Sensitive Properties. <i>Chemosensors</i> , 2021, 9, 360.	3.6	13
80	Measurement System for Lossy Capacitive Sensors: Application to Edible Oils Quality Assessment. <i>Sensors</i> , 2019, 19, 4299.	3.8	12
81	Four Sensors Bracelet for American Sign Language Recognition based on Wrist Force Myography. , 2020, , .		12
82	Role of Solvent Polarity on Dispersion Quality and Stability of Functionalized Carbon Nanotubes. <i>Journal of Composites Science</i> , 2022, 6, 26.	3.0	12
83	Towards Hybrid Energy-Efficient Power Management in Wireless Sensor Networks. <i>Sensors</i> , 2022, 22, 301.	3.8	12
84	Energy-Management for Power Aware Portable Sensor Systems. <i>Conference Record - IEEE Instrumentation and Measurement Technology Conference</i> , 2006, , .	0.0	11
85	Muscle Movement Tracking Using Nanocomposite Based Pressure Sensor. , 2019, , .		11
86	Flexible Ultra-Thin Nanocomposite Based Piezoresistive Pressure Sensors for Foot Pressure Distribution Measurement. <i>Sensors</i> , 2021, 21, 6082.	3.8	11
87	Influence of processing parameters on properties of strain sensors based on carbon nanotube films. , 2010, , .		10
88	Wireless sensor networks with power management for low energy consumption. , 2013, , .		10
89	Energy harvesting for wireless sensor nodes in factory environments. , 2014, , .		10
90	Comparative study of resonant circuit for power transmission via inductive link. , 2015, , .		10

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91	Development of a hybrid vibration converter for real vibration source / Entwicklung eines Hybrid-Vibrationswandlers für eine echte Schwingungsquelle. TM Technisches Messen, 2019, 86, 57-61.	0.7	10
92	Electromagnetic Energy Harvester for Battery-Free IoT Solutions. , 2020, , .		10
93	Precision Irrigation: An IoT-Enabled Wireless Sensor Network for Smart Irrigation Systems. Women in Engineering and Science, 2021, , 107-129.	0.4	10
94	Simultaneous Pressure Sensors Monitoring System for Hand Gestures Recognition. , 2020, , .		10
95	Analysis of the parameters of a lossy coaxial cable for cable fault location. , 2011, , .		9
96	Choice of efficient simulator tool for wireless sensor networks. , 2013, , .		9
97	Simplified analytical inductance model for a single turn eddy current sensor. Sensors and Actuators A: Physical, 2013, 191, 11-21.	4.1	9
98	Model-based identification of wire network topology. Measurement: Journal of the International Measurement Confederation, 2014, 55, 206-211.	5.0	9
99	Potential of impedance spectroscopy for real-time assessing of food quality. IEEE Instrumentation and Measurement Magazine, 2018, 21, 44-48.	1.6	9
100	Electromagnetic transducer with bistable-RMSHI for energy harvesting from very weak kinetic sources. , 2018, , .		9
101	Surface Electrical Impedance Myography Measurements for Recognition of Numbers in American Sign Language. , 2020, , .		9
102	A Fuzzy Based Energy Aware Unequal Clustering for Wireless Sensor Networks. Lecture Notes in Computer Science, 2018, , 126-131.	1.3	8
103	Humidity Sensing Behavior of Endohedral Li-Doped and Undoped SWCNT/SDBS Composite Films. Sensors, 2019, 19, 171.	3.8	8
104	Piezo-Resistive Pressure and Strain Sensors for Biomedical and Tele-Manipulation Applications. Smart Sensors, Measurement and Instrumentation, 2021, , 47-65.	0.6	8
105	Tonic-Myoclonic Epileptic Seizure Classification based on Surface Electromyography. , 2021, , .		8
106	Eddy Current Sensor System for Tilting Independent In-Process Measurement of Magnetic Anisotropy. Sensors, 2021, 21, 2652.	3.8	8
107	An electromagnetic/magnetolectric transducer based on nonlinear RMSHI circuit for energy harvesting and sensing. Measurement: Journal of the International Measurement Confederation, 2021, 177, 109307.	5.0	8
108	Identification of Communication Cables Based on Scattering Parameters and a Support Vector Machine Algorithm. , 2021, 5, 1-4.		8

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109	Assessment of beef meat aging using impedance spectroscopy. , 2011, , .		7
110	Carbon nanotube composite for application in gait analysis. , 2012, , .		7
111	Comparative study of voltage controlled current sources for bioimpedance measurements. , 2012, , .		7
112	A Filtered RSSI Model Based on Hardware Characteristic for Localization Algorithm in Wireless Sensor Networks. , 2018, , .		7
113	Ultralow Power Voltage Supervisor for Ambient Power-Driven Microcontroller Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 3843-3851.	7.9	7
114	Calibration of an AC Zero Potential Circuit for Two-Dimensional Impedimetric Sensor Matrices. IEEE Sensors Journal, 2020, 20, 5019-5025.	4.7	7
115	Multifrequency Inductive Sensor System for Classification of Bimetallic Coins. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	7
116	Modeling the Conductivity Response to NO ₂ Gas of Films Based on MWCNT Networks. Sensors, 2021, 21, 4723.	3.8	7
117	Highly Sensitive Polymer/Multiwalled Carbon Nanotubes Based Pressure and Strain Sensors for Robotic Applications. Studies in Systems, Decision and Control, 2020, , 371-382.	1.0	7
118	Requirements for Energy-Harvesting-Driven Edge Devices Using Task-Offloading Approaches. Electronics (Switzerland), 2022, 11, 383.	3.1	7
119	Vibration Converter with Passive Energy Management for Battery-Less Wireless Sensor Nodes in Predictive Maintenance. Energies, 2022, 15, 1982.	3.1	7
120	Measurement Methods for Capacitances in the Range of 1 pF to 1 nF: A review. Measurement: Journal of the International Measurement Confederation, 2022, 195, 111067.	5.0	7
121	Analytical and Experimental Performance Analysis of Enhanced Wake-Up Receivers Based on Low-Power Base-Band Amplifiers. Sensors, 2022, 22, 2169.	3.8	7
122	Collaborative Filler Network for Enhancing the Performance of BaTiO ₃ /PDMS Flexible Piezoelectric Polymer Composite Nanogenerators. Sensors, 2022, 22, 4181.	3.8	7
123	Model performance improvement for a calibration-free temperature measurement based on p-n junctions. Sensors and Actuators A: Physical, 2002, 101, 275-282.	4.1	6
124	Bodenfeuchtemessung mittels Impedanzspektroskopie (Soil Moisture Measurement with Impedance) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	0,9	6
125	Influence of surface effects on the characteristic curves of detergent sensors. , 2012, , .		6
126	System simulation of network analysis for a lossy cable system. , 2012, , .		6

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127	A high accuracy voltage controlled current source for handheld bioimpedance measurement. , 2013, , .		6
128	Druckbares, piezoresistives Kohlenstoff-Nanoröhren-Elastomer-Komposit für Drucksensoren. TM Technisches Messen, 2013, 80, 9-15.	0.7	6
129	Flexible strain sensing filaments based on styrene-butadiene-styrene co-polymer mixed with carbon particle filled thermoplastic polyurethane. , 2018, , .		6
130	Smart-Lab: Design and Implementation of an IoT-based Laboratory Platform. , 2020, , .		6
131	Detection of Density Changes in Soils with Impedance Spectroscopy. Applied Sciences (Switzerland), 2021, 11, 1568.	2.5	6
132	Comparative of Swarm Intelligence based Wrappers for sEMG Signals Feature Selection. , 2021, , .		6
133	Enhanced piezoelectric performance of lead free BCZT based flexible nanogenerator. , 2021, , .		6
134	Hand Gesture Recognition Based on Force Myography Measurements using KNN Classifier. , 2021, , .		6
135	Induction coil as sensor for contactless, continuous in-process determination of steel microstructure by means of Magnetic Induction Spectroscopy (MIS). CIRP Journal of Manufacturing Science and Technology, 2021, 33, 240-246.	4.5	6
136	An Embedded ANN Raspberry PI for Inertial Sensor Based Human Activity Recognition. Lecture Notes in Computer Science, 2020, , 375-385.	1.3	6
137	Multiple Faults Detection and Location in Bus-Shaped Cable Networks by Distributed Time-Domain Reflectometry. , 2022, 6, 1-4.		6
138	Diagnose von Gerätebatterien mit Impedanzspektrometrie (Diagnosis of Portable Secondary Batteries) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	5
139	Method of Soil Moisture Measurement by Impedance Spectroscopy with Soil Type Recognition for In-Situ Applications (Messverfahren zur Bodenfeuchtemessung mittels Impedanzspektroskopie mit) Tj ETQq1 1 0.784314 rgBT /Overl	0.7	5
140	Rod shape testing by high frequency eddy current -Passive impedance measurement-. , 2009, , .		5
141	Wireless sensor nodes using energy harvesting and B-Mac protocol. , 2013, , .		5
142	Eingebettetes Impedanzmesssystem für das Batteriemangement in Elektrofahrzeugen. TM Technisches Messen, 2014, 81, 560-565.	0.7	5
143	A new method of locating the single wire fault. , 2014, , .		5
144	Finite element analysis of combined magnetoelectric- electrodynamic vibration energy converter. Journal of Physics: Conference Series, 2015, 660, 012111.	0.4	5

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145	A magnetoelectric vibration converter with tunable resonance frequency / Magnetoelektrischer Vibrationswandler mit einstellbarer Resonanzfrequenz. <i>TM Technisches Messen</i> , 2019, 86, 97-101.	0.7	5
146	Dynamic Autonomous Energy Consumption Measurement for a Wireless Sensor Node. , 2019, , .		5
147	Carbon nanotubes for high performance flexible piezoelectric polymer composite nanogenerators. , 2019, , .		5
148	Characterization of a smart transducer for axial force measurements in vibrating environments. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 166, 108157.	5.0	5
149	Electronic Embedded System for Stair Recognition Based on Possibilistic Modeling of Ultrasonic Signal. <i>IEEE Sensors Journal</i> , 2021, 21, 5787-5797.	4.7	5
150	Intrusion Detection based on Correlation of Multiple Health Signals in WBSN. , 2020, , .		5
151	Energy-Management for Power Aware Portable Sensor Systems. <i>Conference Record - IEEE Instrumentation and Measurement Technology Conference</i> , 2006, , .	0.0	5
152	System Design and Energy Management for Indoor Solar Energy Harvesting Under Consideration of Spectral Characteristics of Solar Cells. <i>International Journal on Measurement Technologies and Instrumentation Engineering</i> , 2013, 3, 1-15.	0.3	5
153	Electrodes Placement Investigation for Hand Gesture Recognition Based on Impedance Measurement. , 2020, , .		5
154	IoT based Tracking of Wireless Sensor Nodes with RSSI Offset Compensation. , 2020, , .		5
155	Kalibrationsfreie Temperaturmessung auf Basis von bipolaren Transistoren, neue Perspektiven für die Messtechnik (Calibration-Free Temperature Measurement Based on Bipolar Transistors, New) <i>Tj ETQq1 1 0.784314.orgBT /Overlock 10</i>		5
156	Calculation of the distribution of relaxation times for characterization of the dynamic battery behavior. , 2012, , .		4
157	Automated wire fault location using impedance spectroscopy and genetic algorithm. , 2012, , .		4
158	Automated wire fault location using impedance spectroscopy and Differential Evolution. , 2013, , .		4
159	Simulation of Shading Effects on the power output of solar modules for enhanced efficiency in photovoltaic energy generation. , 2014, , .		4
160	Improvement of the efficiency of MISO configuration in inductive power transmission in case of coils misalignment. , 2014, , .		4
161	Carbon Nanotube Polymer Composites for High Performance Strain Sensors. , 2015, , .		4
162	Strain Sensor Based on MWCNT-Natural Rubber Composite for Wearable Electronics. , 2016, , .		4

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163	Improved VNA hardware for applications in civil engineering. , 2017, , .		4
164	Analysis of a Hybrid Micro-Electro-Mechanical Sensor Based on Graphene Oxide/Polyvinyl Alcohol for Humidity Measurements. Sensors, 2019, 19, 1720.	3.8	4
165	Design of a DC-DC Boost Converter of Hybrid Energy Harvester for IoT Devices. , 2020, , .		4
166	A parallel Architecture of a Genetic Algorithm for EIT Image Reconstruction. , 2021, , .		4
167	Comparative Study of Digital Filters for a Smart Glove Functionalized with Nanocomposite Strain Sensor. , 2021, , .		4
168	An RFID-Based Monitoring and Localization System for Dementia Patients. , 2021, , .		4
169	Sliding Mode Control of an Inductive Power Transmission System with Maximum Efficiency. , 2021, , .		4
170	An optimized wearable coil for Wireless Power Transfer Applications. , 2020, , .		4
171	Portable Bioimpedance Spectrometer for Total Frequency Range of $\hat{1}^2$ -Dispersion. TM Technisches Messen, 2013, 80, 373-378.	0.7	4
172	Concept for an event-triggered wireless sensor network for vibration-based diagnosis in trams. Vibroengineering PROCEDIA, 2019, 27, 55-60.	0.5	4
173	Design of a DC-DC Boost Converter of Hybrid Energy Harvester for Low-Power Biomedical Applications. , 2020, , .		4
174	Design and Control of an Inductive Power Transmission System with AC-AC Converter for a Constant Output Current. , 2020, , .		4
175	Regularized Linear Kramers-Kronig Transform for Consistency Check of Noisy Impedance Spectra with Logarithmic Frequency Distribution. , 2021, , .		4
176	Investigation and Implementation of Elastomer Filament Strain Sensors for Monitoring of Hand Gestures. , 2021, , .		4
177	Implementierung der Impedanzspektroskopie in vollautomatischen Messsystemen am Beispiel der Batteriezustandsdiagnose (Battery Diagnosis as an Example for Implementing Impedance Spectroscopy) Tj ETQq1 1.0.784314 rgBT /Ov		4
178	Investigation of the underground temperature using neural network. , 2008, , .		3
179	Application of deconvolution for wire fault location using time domain reflectometry. , 2012, , .		3
180	Editorial - Special issue on sensors for noninvasive physiological monitoring. IEEE Sensors Journal, 2012, 12, 413-415.	4.7	3

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181	Adaptable electromagnetic energy harvester design for industrial implementation. , 2014, , .		3
182	Modeling and simulation of magnetostriction in a twin lateral transducers energy harvester. , 2014, , .		3
183	3-D Potential Distribution Measurement in Electrosurgery by a Flexible Multielectrode System. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2447-2453.	4.7	3
184	Low-cost multifunctional sensorsystem for online determination of aqueous solutions. , 2015, , .		3
185	Temperature effect on the complex conductivity of Adblue. , 2015, , .		3
186	Portable device design for in-vitro muscle tissue monitoring. TM Technisches Messen, 2015, 82, 485-494.	0.7	3
187	A low cost signal acquisition board design for myopathy's EMG database construction. , 2016, , .		3
188	Online cellphone battery entropy measurement for SoH estimation. , 2016, , .		3
189	Design of a Wireless and Energy Autonomous Sensor Network for Condition Monitoring of Tram Drive Components. Designs, 2018, 2, 50.	2.4	3
190	Investigation on Flexible Coils Geometries for Inductive Power Transmission Systems. , 2019, , .		3
191	Electronic Motion Capture Glove based on Highly Sensitive Nanocomposite Sensors. , 2019, , .		3
192	A Secure and Efficient Login and Data Exchange Scheme for an IoT Laboratory Management System. , 2020, , .		3
193	Smart Multi-coil Inductive Power Tranmission with IoT Based Visulization. , 2020, , .		3
194	Impedance spectroscopy: From laboratory instrumentation to field sensors. IEEE Instrumentation and Measurement Magazine, 2020, 23, 4-7.	1.6	3
195	Summary of developing a test stand for realistic emulation of the cross-sectional area variation of hot rolled wire. TM Technisches Messen, 2020, 87, 332-342.	0.7	3
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