

# Hadi Heidari

## List of Publications by Year in descending order

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Version: 2024-02-01

205  
papers

4,640  
citations

159585

30  
h-index

123424

61  
g-index

217  
all docs

217  
docs citations

217  
times ranked

5536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations of fats and carbohydrate intake with cardiovascular disease and mortality in 18 countries from five continents (PURE): a prospective cohort study. <i>Lancet, The</i> , 2017, 390, 2050-2062.	13.7	841
2	Fruit, vegetable, and legume intake, and cardiovascular disease and deaths in 18 countries (PURE): a prospective cohort study. <i>Lancet, The</i> , 2017, 390, 2037-2049.	13.7	446
3	Carbon based materials: a review of adsorbents for inorganic and organic compounds. <i>Materials Advances</i> , 2021, 2, 598-627.	5.4	232
4	New materials and advances in making electronic skin for interactive robots. <i>Advanced Robotics</i> , 2015, 29, 1359-1373.	1.8	155
5	Bi-LSTM Network for Multimodal Continuous Human Activity Recognition and Fall Detection. <i>IEEE Sensors Journal</i> , 2020, 20, 1191-1201.	4.7	149
6	Magnetic biosensors: Modelling and simulation. <i>Biosensors and Bioelectronics</i> , 2018, 103, 69-86.	10.1	129
7	Self-Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000779.	7.6	107
8	Biointegrated and Wirelessly Powered Implantable Brain Devices: A Review. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2020, 14, 343-358.	4.0	100
9	A CMOS Current-Mode Magnetic Hall Sensor With Integrated Front-End. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015, 62, 1270-1278.	5.4	79
10	Piezoelectric energy harvesting for self-powered wearable upper limb applications. <i>Nano Select</i> , 2021, 2, 1459-1479.	3.7	72
11	Adaptive Extreme Edge Computing for Wearable Devices. <i>Frontiers in Neuroscience</i> , 2021, 15, 611300.	2.8	67
12	Harnessing the Power of Smart and Connected Health to Tackle COVID-19: IoT, AI, Robotics, and Blockchain for a Better World. <i>IEEE Internet of Things Journal</i> , 2021, 8, 12826-12846.	8.7	63
13	CMOS Vertical Hall Magnetic Sensors on Flexible Substrate. <i>IEEE Sensors Journal</i> , 2016, 16, 8736-8743.	4.7	55
14	Scalable fabrication of hierarchically structured graphite/polydimethylsiloxane composite films for large-area triboelectric nanogenerators and self-powered tactile sensing. <i>Nano Energy</i> , 2021, 80, 105521.	16.0	55
15	Miniaturized Magnetic Sensors for Implantable Magnetomyography. <i>Advanced Materials Technologies</i> , 2020, 5, 2000185.	5.8	53
16	Modeling of CMOS Devices and Circuits on Flexible Ultrathin Chips. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 2038-2046.	3.0	51
17	A Handheld High-Sensitivity Micro-NMR CMOS Platform With B-Field Stabilization for Multi-Type Biological/Chemical Assays. <i>IEEE Journal of Solid-State Circuits</i> , 2017, 52, 284-297.	5.4	50
18	Bending induced electrical response variations in ultra-thin flexible chips and device modeling. <i>Applied Physics Reviews</i> , 2017, 4, .	11.3	49

#	ARTICLE	IF	CITATIONS
19	Multisensor data fusion for human activities classification and fall detection. , 2017, , .		49
20	A Multisensory Approach for Remote Health Monitoring of Older People. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 102-108.	3.4	49
21	Electronic Contact Lens: A Platform for Wireless Health Monitoring Applications. Advanced Intelligent Systems, 2020, 2, 1900190.	6.1	48
22	The Future of Neuroscience: Flexible and Wireless Implantable Neural Electronics. Advanced Science, 2021, 8, 2002693.	11.2	47
23	Wrist-Worn Gesture Sensing With Wearable Intelligence. IEEE Sensors Journal, 2019, 19, 1082-1090.	4.7	45
24	Rotating neurons for all-analog implementation of cyclic reservoir computing. Nature Communications, 2022, 13, 1549.	12.8	44
25	Ultrasensitive Magnetoelectric Sensing System for Pico-Tesla MagnetoMyoGraphy. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 971-984.	4.0	41
26	Fusion of Wearable and Contactless Sensors for Intelligent Gesture Recognition. Advanced Intelligent Systems, 2019, 1, 1900088.	6.1	39
27	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. IEEE Access, 2020, 8, 67085-67099.	4.2	39
28	S-scheme heterojunction g-C3N4/TiO2 with enhanced photocatalytic activity for degradation of a binary mixture of cationic dyes using solar parabolic trough reactor. Chemical Engineering Research and Design, 2021, 174, 307-318.	5.6	36
29	Battery-Free and Wireless Technologies for Cardiovascular Implantable Medical Devices. Advanced Materials Technologies, 2022, 7, .	5.8	33
30	Device Modelling for Bendable Piezoelectric FET-Based Touch Sensing System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 2200-2208.	5.4	32
31	Natural Source-Based Graphene as Sensitising Agents for Air Quality Monitoring. Scientific Reports, 2019, 9, 3798.	3.3	32
32	Magnetic and Radar Sensing for Multimodal Remote Health Monitoring. IEEE Sensors Journal, 2019, 19, 8979-8989.	4.7	32
33	Machine learning driven non-invasive approach of water content estimation in living plant leaves using terahertz waves. Plant Methods, 2019, 15, 138.	4.3	30
34	Nanotechnology Enables Novel Modalities for Neuromodulation. Advanced Materials, 2021, 33, e2103208.	21.0	26
35	Developing Smart Tourism Destinations with the Internet of Things. , 2019, , 21-29.		25
36	Evanescent Wave Optical Trapping and Sensing on Polymer Optical Fibers for Ultra-Trace Detection of Glucose. ACS Omega, 2020, 5, 22046-22056.	3.5	25

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37	A current-mode CMOS integrated microsystem for current spinning magnetic hall sensors. , 2014, , .		24
38	Proactive Threat Detection for Connected Cars Using Recursive Bayesian Estimation. IEEE Sensors Journal, 2018, 18, 4822-4831.	4.7	24
39	Power Management Using Photovoltaic Cells for Implantable Devices. IEEE Access, 2018, 6, 42156-42164.	4.2	24
40	A wearable fabric-based RFID skin temperature monitoring patch. , 2016, , .		23
41	A 4-Channel 12-Bit High-Voltage Radiation-Hardened Digital-to-Analog Converter for Low Orbit Satellite Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3698-3706.	5.4	23
42	Improvement in electrical characteristics of Silicon on Insulator (SOI) transistor using graphene material. Results in Physics, 2019, 15, 102806.	4.1	23
43	Effects of Climate Change on Natural-Caused Fire Activity in Western U.S. National Forests. Atmosphere, 2021, 12, 981.	2.3	23
44	High resolution and linearity enhanced SAR ADC for wearable sensing systems. , 2017, , .		22
45	Wearable Capacitive-Based Wrist-Worn Gesture Sensing System. , 2017, , .		22
46	Device Modeling of MgO-Barrier Tunneling Magnetoresistors for Hybrid Spintronic-CMOS. IEEE Electron Device Letters, 2018, 39, 1784-1787.	3.9	22
47	Energy and Performance Trade-Off Optimization in Heterogeneous Computing via Reinforcement Learning. Electronics (Switzerland), 2020, 9, 1812.	3.1	22
48	Spintronic Sensors Based on Magnetic Tunnel Junctions for Wireless Eye Movement Gesture Control. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 1299-1310.	4.0	21
49	CMOS Magnetic Sensors for Wearable Magnetomyography. , 2018, 2018, 2116-2119.		20
50	Terahertz characterisation of living plant leaves for quality of life assessment applications. , 2018, , .		20
51	Low-noise low-Offset current-mode Hall sensors. , 2013, , .		19
52	Graphene Field Effect Transistor Biosensors Based on Aptamer for Amyloid- $\beta$ Detection. IEEE Sensors Journal, 2020, 20, 12488-12494.	4.7	19
53	Multisensory Smart Glove for Tactile Feedback in Prosthetic Hand. Procedia Engineering, 2016, 168, 1605-1608.	1.2	18
54	Electronic skins with a global attraction. Nature Electronics, 2018, 1, 578-579.	26.0	18

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55	High Performance Supercapacitor Based on Laser Induced Graphene for Wearable Devices. IEEE Access, 2020, 8, 200573-200580.	4.2	18
56	Wireless Communication and Power Harvesting in Wearable Contact Lens Sensors. IEEE Sensors Journal, 2021, 21, 12484-12497.	4.7	18
57	Single Electron Transistor Scheme Based on Multiple Quantum Dot Islands: Carbon Nanotube and Fullerene. ECS Journal of Solid State Science and Technology, 2018, 7, M145-M152.	1.8	17
58	A sectorial scheme of gate-all-around field effect transistor with improved electrical characteristics. Ain Shams Engineering Journal, 2021, 12, 755-760.	6.1	17
59	Ultra-Thin Silicon based Piezoelectric Capacitive Tactile Sensor. Procedia Engineering, 2016, 168, 662-665.	1.2	16
60	Design, Test and Optimization of Inductive Coupled Coils for Implantable Biomedical Devices. Journal of Low Power Electronics, 2019, 15, 76-86.	0.6	16
61	Hierarchical Sensor Fusion for Micro-Gesture Recognition With Pressure Sensor Array and Radar. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 225-232.	3.4	16
62	Impact of high-k gate dielectric with different angles of coverage on the electrical characteristics of gate-all-around field effect transistor: A simulation study. Results in Physics, 2020, 16, 102823.	4.1	16
63	28.1 A handheld 50pM-sensitivity micro-NMR CMOS platform with B-field stabilization for multi-type biological/chemical assays. , 2016, , .		15
64	Switched Capacitor DC-DC Converter for Miniaturised Wearable Systems. , 2018, , .		15
65	Activities Recognition and Fall Detection in Continuous Data Streams Using Radar Sensor. , 2019, , .		15
66	Simulation of Crystalline Silicon Photovoltaic Cells for Wearable Applications. IEEE Access, 2021, 9, 20868-20877.	4.2	15
67	Towards bendable CMOS magnetic sensors. , 2015, , .		14
68	Magneto-resistive Biosensors for On-Chip Detection and Localization of Paramagnetic Particles. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 179-185.	3.4	14
69	A 0.18- $\mu\text{m}$ CMOS current-mode Hall magnetic sensor with very low bias current and high sensitive front-end. , 2014, , .		13
70	Sensitivity characteristics of horizontal and vertical Hall sensors in the voltage- and current-mode. , 2015, , .		13
71	Wireless Power Transfer for 3D Printed Unmanned Aerial Vehicle (UAV) Systems. , 2018, , .		13
72	Flexible RFID Patch for Food Spoilage Monitoring. , 2018, , .		13

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73	Photovoltaic Power Harvesting Technologies in Biomedical Implantable Devices Considering the Optimal Location. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 148-155.	3.4	13
74	Upper limb prosthetic control using toe gesture sensors. , 2015, , .		12
75	Hardware-Based Hopfield Neuromorphic Computing for Fall Detection. Sensors, 2020, 20, 7226.	3.8	12
76	Modeling of Three-Axis Hall Effect Sensors Based on Integrated Magnetic Concentrator. IEEE Sensors Journal, 2020, 20, 9919-9927.	4.7	12
77	Challenges to the Development of the Next Generation of Self-Reporting Cardiovascular Implantable Medical Devices. IEEE Reviews in Biomedical Engineering, 2022, 15, 260-272.	18.0	12
78	Tuning the analog and digital performance of Germanene nanoribbon field effect transistors with engineering the width and geometry of source, channel and drain region in the ballistic regime. Materials Science in Semiconductor Processing, 2018, 80, 18-23.	4.0	11
79	Impact of an antidote vacancy on the electronic and transport properties of germanene nanoribbons: A first principles study. Journal of Physics and Chemistry of Solids, 2020, 138, 109289.	4.0	11
80	Analysis and modeling of four-folded vertical Hall devices in current domain. , 2014, , .		10
81	Performance Evaluation of Real-Time Multivariate Data Reduction Models for Adaptive-Threshold in Wireless Sensor Networks. , 2017, 1, 1-4.		10
82	High Linearity SAR ADC for High Performance Sensor System. , 2018, , .		10
83	Investigating the electrical characteristics of a single electron transistor utilizing graphene nanoribbon as the island. Journal of Materials Science: Materials in Electronics, 2019, 30, 8007-8013.	2.2	10
84	Performance Degradation Effect Countermeasures in Residence Times Difference (RTD) Fluxgate Magnetic Sensors. IEEE Sensors Journal, 2019, 19, 11819-11827.	4.7	10
85	Energy-Efficient Start-up Power Management for Batteryless Biomedical Implant Devices. , 2018, , .		9
86	Wearable Wristworn Gesture Recognition Using Echo State Network. , 2019, , .		9
87	An 8.62 $\hat{1}$ / <sub>4</sub> W Processor for Autism Spectrum Disorder Classification using Shallow Neural Network. , 2021, , .		9
88	Optimal geometry of CMOS voltage-mode and current-mode vertical magnetic hall sensors. , 2015, , .		8
89	Effect of electric field on the electrical properties of a self-assembled perylene bisimide. RSC Advances, 2018, 8, 34121-34125.	3.6	8
90	Simulation of Photovoltaic Cells for Implantable Sensory Applications. , 2018, , .		8

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91	Exploiting Smallest Error to Calibrate Non-Linearity in SAR Adcs. IEEE Access, 2018, 6, 42930-42940.	4.2	8
92	A CMOS Analog Front-End for Tunnelling Magnetoresistive Spintronic Sensing Systems. , 2019, , .		8
93	An External Capacitor-Less Low-Dropout Voltage Regulator Using a Transconductance Amplifier. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1748-1752.	3.0	8
94	Integrated Pico-Tesla Resolution Magnetoresistive Sensors for Miniaturised Magnetomyography. , 2020, 2020, 3415-3419.		8
95	Fast-Transient Radiation-Hardened Low-Dropout Voltage Regulator for Space Applications. IEEE Transactions on Nuclear Science, 2021, 68, 1094-1102.	2.0	8
96	Neural microprobe modelling and microfabrication for improved implantation and mechanical failure mitigation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	8
97	Reform and Practice of Analog Circuits. , 2018, , .		7
98	Innovations of Microcontroller Unit Based on Experiment. , 2019, , .		7
99	First Principles Study of the Ambipolarity in a Germanene Nanoribbon Tunneling Field Effect Transistor. ECS Journal of Solid State Science and Technology, 2019, 8, M111-M117.	1.8	7
100	Teaching Embedded Systems for Energy Harvesting Applications: A Comparison of Teaching Methods Adopted in UESTC and KTH. IEEE Access, 2020, 8, 50780-50791.	4.2	7
101	A simulation study of the influence of a high-k insulator and source stack on the performance of a double-gate tunnel FET. Journal of Computational Electronics, 2020, 19, 1077-1084.	2.5	7
102	Flexible Wirelessly Powered Implantable Device. , 2019, , .		7
103	Cleanroom strategies for micro- and nano-fabricating flexible implantable neural electronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	7
104	Towards bendable piezoelectric oxide semiconductor field effect transistor based touch sensor. , 2016, , .		6
105	Capacitor Mismatch Calibration Technique to Improve the SFDR of 14-Bit SAR ADC. , 2017, , .		6
106	Hierarchical Classification on Multimodal Sensing for Human Activity Recognition and Fall Detection. , 2018, , .		6
107	Design and Implementation of Portable Sensory System for Air Pollution Monitoring Monitoring. , 2018, , .		6
108	Impact of substitutional metallic dopants on the physical and electronic properties of germanene nanoribbons: A first principles study. Results in Physics, 2020, 18, 103333.	4.1	6

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109	Reconfigurable Surfaces Using Fringing Electric Fields from Nanostructured Electrodes in Nematic Liquid Crystals. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100058.	2.8	6
110	At-Home Computer-Aided Myoelectric Training System for Wrist Prosthesis. <i>Lecture Notes in Computer Science</i> , 2016, , 284-293.	1.3	6
111	Exploring the noise limits of fully-differential micro-watt transimpedance amplifiers for Sub-pA/yHz sensitivity. , 2015, , .		5
112	Visual Hand Tracking on Depth Image using 2-D Matched Filter. , 2019, , .		5
113	Modelling of Implantable Photovoltaic Cells Based on Human Skin Types. , 2019, , .		5
114	Wearable Resistive-based Gesture-Sensing Interface Bracelet. , 2019, , .		5
115	Fusion of Wearable and Contactless Sensors for Intelligent Gesture Recognition. <i>Advanced Intelligent Systems</i> , 2019, 1, 1970072.	6.1	5
116	Magnetic Resonance-based Wireless Power Transfer for Implantable Biomedical Microelectronics Devices. , 2019, , .		5
117	FMCW radar and inertial sensing synergy for assisted living. <i>Journal of Engineering</i> , 2019, 2019, 6784-6789.	1.1	5
118	Magneto-Optogenetic Deep-Brain Multimodal Neurostimulation. <i>Advanced Intelligent Systems</i> , 2022, 4, 2100082.	6.1	5
119	An Efficient RF-DC Rectifier Design for RF Energy Harvesting Systems. , 2020, , .		5
120	Device modelling of bendable MOS transistors. , 2016, , .		4
121	Towards flexible magnetoelectronics for robotic applications. , 2017, , .		4
122	On-chip magnetoresistive sensors for detection and localization of paramagnetic particles. , 2017, , .		4
123	A Compact Wearable System for Detection and Estimation of Open Wound Status In Diabetic Patient. , 2018, , .		4
124	Impact of Hydrogen Adsorption on the Performance of a Single Electron Transistor Utilizing Fullerene Quantum Dots. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, M191-M194.	1.8	4
125	A Self-tracked High-dielectric Wireless Power Transfer System for Neural Implants. , 2019, , .		4
126	A Delay-Based Neuromorphic Processor for Arrhythmias Detection. , 2020, , .		4



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127	A Low Noise CMOS Sensor Frontend for a TMR-based Biosensing Platform. , 2020, , .		4
128	Neural Microprobe Device Modelling for Implant Micromotions Failure Mitigation. , 2020, , .		4
129	Serpentine-Shaped Metamaterial Energy Harvester for Wearable and Implantable Medical Systems. , 2021, , .		4
130	A readout circuit for tunnel magnetoresistive sensors employing an ultra-low-noise current source. , 2021, , .		4
131	Modelling of nanowire FETs based neural network for tactile pattern recognition in E-skin. , 2016, , .		3
132	A compact Non-Invasive WearableVital Signal Monitoring System. , 2018, , .		3
133	A Compact Wearable System for Detection of Plantar Pressure for Diabetic Foot Prevention. , 2018, , .		3
134	Comparator Design in Sensors for Environmental Monitoring. IOP Conference Series: Earth and Environmental Science, 2018, 151, 012030.	0.3	3
135	Wearable Wireless Devices. Applied Sciences (Switzerland), 2019, 9, 2643.	2.5	3
136	Electromagnetic Properties of Plant Leaves at Terahertz Frequencies for Health Status Monitoring. , 2019, , .		3
137	High-Precision Adaptive Slope Compensation Circuit for System-on-Chip Power Management. , 2019, , .		3
138	Air Quality Monitoring using Portable Multi-Sensory Module for Neurological Disease Prevention. , 2019, , .		3
139	Design of Capacitor Array in 16-Bit Ultra High Precision SAR ADC for the Wearable Electronics Application. IEEE Access, 2020, 8, 175230-175243.	4.2	3
140	Wearable Electronics for Neurological Applications: A Review of Undergraduate Engineering Programmes. , 2020, , .		3
141	Detection techniques of biological and chemical Hall sensors. RSC Advances, 2021, 11, 7257-7270.	3.6	3
142	Adhesion and proliferation of living cell on surface functionalized with glycine nanostructures. Nano Select, 2022, 3, 188-200.	3.7	3
143	Magnetoresistance Sensor with Analog Frontend for Lab-on-Chip Malaria Parasite Detection. , 2021, , .		3
144	A Neuromorphic Model With Delay-Based Reservoir for Continuous Ventricular Heartbeat Detection. IEEE Transactions on Biomedical Engineering, 2022, 69, 1837-1849.	4.2	3

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145	Encapsulated Magnetoelectric Composites for Wirelessly Powered Brain Implantable Devices. , 2020, , .		3
146	A Fast Transient Response and High PSR Low Drop-Out Voltage Regulator. , 2020, , .		3
147	High-Precision Biomagnetic Measurement System Based on Tunnel Magneto-Resistive Effect. , 2020, , .		3
148	Flexible Piezoelectric Sensors for Miniaturized Sonomyography. , 2021, 2021, 7373-7376.		3
149	Eyelid Gesture Control using Wearable Tunnelling Magnetoresistance Sensors. , 2020, , .		3
150	Scalable Cryoelectronics for Superconducting Qubit Control and Readout. Advanced Intelligent Systems, 2022, 4, .	6.1	3
151	Spintronic Eyeblink Gesture Sensor with Wearable Interface System. IEEE Transactions on Biomedical Circuits and Systems, 2022, , 1-14.	4.0	3
152	On Chip Counting and Localisation of Magnetite Pollution Nanoparticles. , 2019, , .		2
153	Low-profile Flexible Perovskite based Millimetre Wave Antenna. , 2019, , .		2
154	The Design of Intelligent Sensor Interface Circuit based on 1451.2. , 2019, , .		2
155	Smart Wristband for Gesture Recognition. , 2020, , .		2
156	A Horizontal Hall Sensor 3D Comsol Model. , 2020, , .		2
157	A nano-FET structure comprised of inherent paralleled TFET and MOSFET with improved performance. Ain Shams Engineering Journal, 2020, 11, 1105-1112.	6.1	2
158	High-Precision Adaptive Slope Compensation Circuit for DC-DC Converter in Wearable Devices. IEEE Access, 2020, 8, 34104-34112.	4.2	2
159	A CMOS Hall sensor modeling with readout circuitry and microcontroller processing for magnetic detection. Review of Scientific Instruments, 2021, 92, 034707.	1.3	2
160	Project-Based Course in Electronic Engineering Education. , 2021, , .		2
161	A Scheme of Quantum Tunnel Field Effect Transistor Based on Armchair Graphene Nano-Ribbon. ECS Journal of Solid State Science and Technology, 2021, 10, 091012.	1.8	2
162	IEEE Access Special Section Editorial: Energy Harvesting Technologies for Wearable and Implantable Devices. IEEE Access, 2021, 9, 91324-91327.	4.2	2

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163	Hybrid Microenergy Harvesters for Smart Contact Lenses. , 2020, , .		2
164	A Frontend for Magnetoresistive Sensors With a 2.2-pA/√Hz Low-Noise Current Source. IEEE Solid-State Circuits Letters, 2022, 5, 17-20.	2.0	2
165	Dual-band Microstrip Patch Antenna for Fully-Wireless Smart Stent. , 2021, , .		2
166	Multiple facets of tightly coupled transistor structures. Nanotechnology, 2015, 26, 482501.	2.6	1
167	E-skin module with heterogeneously integrated graphene touch sensors and CMOS circuitry. , 2016, , .		1
168	Device modelling of silicon based high-performance flexible electronics. , 2017, , .		1
169	Flexible pressure sensing system for tongue-based control of prosthetic hands. , 2017, , .		1
170	Smart Multi-Sensory Ball for Water Quality Monitoring. , 2018, , .		1
171	High-Resolution ADCs for Biomedical Imaging Systems. , 2018, , .		1
172	High-resolution ADCs design in sensors. , 2018, , .		1
173	Monitoring the Variability of Water Dynamics in Plant Leaves at Cellular Level Using Terahertz Sensing. , 2019, , .		1
174	Magnetic Crosstalk Suppression and Probe Miniaturization of Coupled Core Fluxgate Sensors. , 2019, , .		1
175	Design and Implementation of a 3D Printed Sensory Ball for Wireless Water Flow Monitoring. , 2019, , .		1
176	Innovative Engineering Education in Circuits & Systems. , 2020, , .		1
177	Magnetomyography: Miniaturized Magnetic Sensors for Implantable Magnetomyography (Adv. Mater.) Tj ETQq1 1 0.784314rgBT /Over 5.8		1
178	Schemes for Single Electron Transistor Based on Double Quantum Dot Islands Utilizing a Graphene Nanoscroll, Carbon Nanotube and Fullerene. Molecules, 2022, 27, 301.	3.8	1
179	Live Demonstration: Gaze Following System for Noninvasively Testing Electronic Contact Lens. , 2020, , .		1
180	Wirelessly Powered and Modular Flexible Implantable Device. , 2020, , .		1

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181	Modelling and fabrication of wide temperature range Al <sub>0.24</sub> Ga <sub>0.76</sub> As/GaAs Hall magnetic sensors. Journal of Semiconductors, 2022, 43, 034101.	3.7	1
182	Spice model of a piezo-electric transducer for pulse-echo system. , 2015, , .		0
183	A Bit Cycling Method for Improving the DNL/INL in Successive Approximation Register (SAR) Analog-to-Digital Converter (ADC). , 2018, , .		0
184	Design of Sensor System for Air Pollution Monitoring. Communications in Computer and Information Science, 2018, , 280-288.	0.5	0
185	IEEE Access Special Section Editorial: Wearable and Implantable Devices and Systems. IEEE Access, 2019, 7, 139512-139517.	4.2	0
186	Design Considerations of Data Converters for Industrial Technology. , 2019, , .		0
187	Selected Articles from the NGCAS 2018 Conference. Journal of Low Power Electronics, 2019, 15, 27-29.	0.6	0
188	Guest Editorial Special Issue on Magnetic Sensing Systems for Biomedical Application. IEEE Sensors Journal, 2019, 19, 8970-8970.	4.7	0
189	Spin-Hall Nano-Oscillator Simulations. , 2019, , .		0
190	An implementation of hot-swap circuit with high reliability. Microelectronics Journal, 2020, 100, 104777.	2.0	0
191	Statistical Strategies to Capture Correlation Between Overshooting Effect and Propagation Delay Time in Nano-CMOS Inverters. IEEE Access, 2021, 9, 65340-65345.	4.2	0
192	Guest Editorial Special Issue on Selected Papers From IEEE ISCAS 2020. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 366-368.	4.0	0
193	Towards Highly Linear High Resolution Successive Approximation Register ADCs for the Internet of Things. Nanoscience and Nanotechnology Letters, 2017, 9, 2076-2082.	0.4	0
194	Assessment and Feedback Under Disruptive Circumstances in Trans-National Education. , 2020, , .		0
195	Performance evaluation of the Bayesian and classical value at risk models with circuit breakers set up. International Journal of Computational Economics and Econometrics, 2020, 10, 222.	0.1	0
196	IMU Sensing-Based Hopfield Neuromorphic Computing for Human Activity Recognition. Frontiers in Communications and Networks, 2022, 2, .	3.0	0
197	Eye Tracking Simulation for a Magnetic-based Contact Lens System. , 2020, , .		0
198	Energy-Efficient Start-up Dickson Charge Pump for Batteryless Biomedical Implant Devices. , 2020, , .		0

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199	Design and Implementation of Close-loop Detection for Coupled Core Fluxgate Magnetic Sensors. , 2020, , .		0
200	Gesture Recognition Wristband Device with Optimised Piezoelectric Energy Harvesters. , 2020, , .		0
201	An Implantable Photovoltaic Energy Harvesting System with Skin Optical Analysis. , 2020, , .		0
202	Data Fusion for Human Activity Recognition Based on RF Sensing and IMU Sensor. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 3-14.	0.3	0
203	Editorial: Emerging Technologies and Systems for Biologically Plausible Implementations of Neural Functions. Frontiers in Neuroscience, 2022, 16, 863680.	2.8	0
204	Preface to "Advanced neurotechnologies: translating innovation for health and well-being". Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	0
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