

Danilo Demarchi

List of Publications by Year in descending order

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210
papers

4,529
citations

201385

27
h-index

123241

61
g-index

216
all docs

216
docs citations

216
times ranked

6604
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogel bioprinted microchannel networks for vascularization of tissue engineering constructs. Lab on A Chip, 2014, 14, 2202-2211.	3.1	759
2	Bioprinting 3D microfibrinous scaffolds for engineering endothelialized myocardium and heart-on-a-chip. Biomaterials, 2016, 110, 45-59.	5.7	699
3	Synthesis and Characterization of Hybrid Hyaluronic Acid-Gelatin Hydrogels. Biomacromolecules, 2013, 14, 1085-1092.	2.6	269
4	UWB microwave imaging for breast cancer detection. Transactions on Embedded Computing Systems, 2014, 13, 1-22.	2.1	146
5	Electrically Driven Microengineered Bioinspired Soft Robots. Advanced Materials, 2018, 30, 1704189.	11.1	140
6	Highly elastomeric poly(glycerol sebacate)-co-poly(ethylene glycol) amphiphilic block copolymers. Biomaterials, 2013, 34, 3970-3983.	5.7	137
7	Carbon Nanotubes as an Effective Opportunity for Cancer Diagnosis and Treatment. Biosensors, 2017, 7, 9.	2.3	114
8	Miniaturised Wireless Power Transfer Systems for Neurostimulation: A Review. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 1160-1178.	2.7	91
9	Engineered 3D Cardiac Fibrotic Tissue to Study Fibrotic Remodeling. Advanced Healthcare Materials, 2017, 6, 1601434.	3.9	85
10	One-Dimensional ZnO/Gold Junction for Simultaneous and Versatile Multisensing Measurements. Scientific Reports, 2016, 6, 29763.	1.6	79
11	3D Printed Vascularized Device for Subcutaneous Transplantation of Human Islets. Biotechnology Journal, 2017, 12, 1700169.	1.8	69
12	Can mHealth Technology Help Mitigate the Effects of the COVID-19 Pandemic?. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 243-248.	1.7	69
13	Unexpected behaviors in molecular transport through size-controlled nanochannels down to the ultra-nanoscale. Nature Communications, 2018, 9, 1682.	5.8	68
14	Bis-Ferrocene Molecular QCA Wire: Ab Initio Simulations of Fabrication Driven Fault Tolerance. IEEE Nanotechnology Magazine, 2013, 12, 498-507.	1.1	67
15	Mechanical and Biochemical Stimulation of 3D Multilayered Scaffolds for Tendon Tissue Engineering. ACS Biomaterials Science and Engineering, 2019, 5, 2953-2964.	2.6	66
16	Towards a molecular QCA wire: simulation of write-in and read-out systems. Solid-State Electronics, 2012, 77, 101-107.	0.8	49
17	Electrophoretic deposition of mesoporous bioactive glass on glass-ceramic foam scaffolds for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2015, 26, 5346.	1.7	49
18	Transcutaneously refillable, 3D-printed biopolymeric encapsulation system for the transplantation of endocrine cells. Biomaterials, 2018, 177, 125-138.	5.7	44

#	ARTICLE	IF	CITATIONS
19	Electrostatically gated nanofluidic membrane for ultra-low power controlled drug delivery. Lab on A Chip, 2020, 20, 1562-1576.	3.1	37
20	Remotely controlled nanofluidic implantable platform for tunable drug delivery. Lab on A Chip, 2019, 19, 2192-2204.	3.1	36
21	A microbial fuel cell powering an all-digital piezoresistive wireless sensor system. Microsystem Technologies, 2014, 20, 1023-1033.	1.2	35
22	The active modulation of drug release by an ionic field effect transistor for an ultra-low power implantable nanofluidic system. Nanoscale, 2016, 8, 18718-18725.	2.8	35
23	A Very Low-Complexity 0.3–4.4 GHz 0.004 mm ² All-Digital Ultra-Wide-Band Pulsed Transmitter for Energy Detection Receivers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2443-2455.	3.5	34
24	Structure and properties of metal-free conductive tracks on polyethylene/multiwalled carbon nanotube composites as obtained by laser stimulated percolation. Carbon, 2013, 61, 63-71.	5.4	34
25	Google Glass-Directed Monitoring and Control of Microfluidic Biosensors and Actuators. Scientific Reports, 2016, 6, 22237.	1.6	34
26	Event-driven encoding of off-the-shelf tactile sensors for compression and latency optimisation for robotic skin. , 2017, , .		34
27	Injection molded lab-on-a-disc platform for screening of genetically modified <i>E. coli</i> using liquid–liquid extraction and surface enhanced Raman scattering. Lab on A Chip, 2018, 18, 869-877.	3.1	31
28	Nanogap structures for molecular nanoelectronics. Nanoscale Research Letters, 2012, 7, 113.	3.1	30
29	Different Scale Confinements of PVDF-TrFE as Functional Material of Piezoelectric Devices. IEEE Sensors Journal, 2013, 13, 2237-2244.	2.4	26
30	On Integration and Validation of a Very Low Complexity ATC UWB System for Muscle Force Transmission. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 497-506.	2.7	26
31	A 0.13- μm CMOS Operational Schmitt Trigger R-to-F Converter for Nanogap-Based Nanosensors Read-Out. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 975-988.	3.5	25
32	An IoT Solution for Online Monitoring of Anesthetics in Human Serum Based on an Integrated Fluidic Bioelectronic System. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1056-1064.	2.7	24
33	An electronic platform for real-time detection of bovine serum albumin by means of amine-functionalized zinc oxide microwires. RSC Advances, 2016, 6, 891-897.	1.7	23
34	Scaling Organic Electrochemical Transistors Down to Nanosized Channels. Small, 2019, 15, e1902332.	5.2	22
35	pH-triggered conduction of amine-functionalized single ZnO wire integrated on a customized nanogap electronic platform. Nanoscale Research Letters, 2014, 9, 53.	3.1	21
36	Long lasting mucoadhesive membrane based on alginate and chitosan for intravaginal drug delivery. Journal of Materials Science: Materials in Medicine, 2020, 31, 25.	1.7	21

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37	A new validation method for modeling nanogap fabrication by electromigration, based on the Resistance-Voltage (R-V) curve analysis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2134-2140.	0.9	20
38	A 0.07 mm ² Asynchronous Logic CMOS Pulsed Receiver Based on Radio Events Self-Synchronization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 750-763.	3.5	20
39	A Top-Down Constraint-Driven Methodology for Smart System Design. IEEE Circuits and Systems Magazine, 2014, 14, 37-57.	2.6	19
40	NanoElectronics roadmap for Europe: From nanodevices and innovative materials to system integration. Solid-State Electronics, 2019, 155, 7-19.	0.8	19
41	Accuracy and feasibility of piezoelectric inkjet coating technology for applications in microneedle-based transdermal delivery. Microelectronic Engineering, 2017, 172, 19-25.	1.1	18
42	Raspberry Pi Based System for Portable and Simultaneous Monitoring of Anesthetics and Therapeutic Compounds. , 2017, , .		18
43	On-Line Event-Driven Hand Gesture Recognition Based on Surface Electromyographic Signals. , 2018, , .		18
44	Electrothermal modelling for EIBJ nanogap fabrication. Electrochimica Acta, 2009, 54, 6003-6009.	2.6	17
45	A quasi-digital radio system for muscle force transmission based on event-driven IR-UWB. , 2012, , .		17
46	A Robust Capacitive Digital Read-Out Circuit for a Scalable Tactile Skin. IEEE Sensors Journal, 2017, 17, 2682-2695.	2.4	17
47	Reel-to-reel fabrication of strain sensing threads and realization of smart insole. Sensors and Actuators A: Physical, 2020, 301, 111741.	2.0	17
48	Nanosized Optoelectronic Devices Based on Photoactivated Proteins. Biomacromolecules, 2012, 13, 3503-3509.	2.6	16
49	Memristor cellular automata for image pattern recognition and clinical applications. , 2016, , .		16
50	Optimized Sampling Rate for Voltammetry-Based Electrochemical Sensing in Wearable and IoT Applications. , 2019, 3, 1-4.		16
51	AI technology for remote clinical assessment and monitoring. Journal of Wound Care, 2020, 29, 692-706.	0.5	16
52	Wirelessly Powered 3D Printed Hierarchical Biohybrid Robots with Multiscale Mechanical Properties. Advanced Functional Materials, 2022, 32, , .	7.8	16
53	An Analog-Mode Impulse Radio System for Ultra-Low Power Short-Range Audio Streaming. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2886-2897.	3.5	15
54	A Flexible Front-End for Wearable Electrochemical Sensing. , 2018, , .		15

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55	Assessing aberrant muscle activity patterns via the analysis of surface EMG data collected during a functional evaluation. BMC Musculoskeletal Disorders, 2019, 20, 13.	0.8	15
56	A nanogapâ€‘array platform for testing the optically modulated conduction of goldâ€‘octithiopheneâ€‘gold junctions for molecular optoelectronics. RSC Advances, 2012, 2, 10985.	1.7	14
57	Silicon Nanofluidic Membrane for Electrostatic Control of Drugs and Analytes Elution. Pharmaceutics, 2020, 12, 679.	2.0	14
58	Embedded Bio-Mimetic System for Functional Electrical Stimulation Controlled by Event-Driven sEMG. Sensors, 2020, 20, 1535.	2.1	14
59	IoT for Telemedicine Practices enabled by an Androidâ„¢ Application with Cloud System Integration. , 2018, , .		13
60	Towards Optimal Green Plant Irrigation: Watering and Body Electrical Impedance. , 2020, , .		13
61	Ask the plants directly: Understanding plant needs using electrical impedance measurements. Computers and Electronics in Agriculture, 2022, 193, 106707.	3.7	13
62	Polyester $\frac{1}{4}$ -assay chip for stem cell studies. Biomicrofluidics, 2012, 6, 44109.	1.2	12
63	A 130-nm CMOS 0.007- mm^2 Ring-Oscillator-Based Self-Calibrating IR-UWB Transmitter Using an Asynchronous Logic Duty-Cycled PLL. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 237-241.	2.2	12
64	Asynchronous DC-free serial protocol for event-based AER systems. , 2015, , .		12
65	Commercial tactile sensors for hand exoskeletons: practical considerations for ultra-low cost and very-low complexity read-out. IEEE Instrumentation and Measurement Magazine, 2016, 19, 49-56.	1.2	12
66	Continuous monitoring of propofol in human serum with fouling compensation by support vector classifier. Biosensors and Bioelectronics, 2021, 171, 112666.	5.3	12
67	Wearable and flexible pedobarographic insole for continuous pressure monitoring. , 2013, , .		11
68	Live Demonstration of Portable Systems based on Silicon Sensors for the monitoring of Physiological Parameters of Driver Drowsiness and Pulse Wave Velocity. , 2018, , .		11
69	A Periodic Transmission Line Model for Body Channel Communication. IEEE Access, 2020, 8, 160099-160115.	2.6	11
70	Plants and Environmental Sensors for Smart Agriculture, an Overview. , 2020, , .		11
71	A Low-Power 0.13- μm CMOS IC for ZnO-Nanowire Assembly and Nanowire-Based UV Sensor Interface. IEEE Sensors Journal, 2015, 15, 4203-4212.	2.4	10
72	Tutorial: A Versatile Bio-Inspired System for Processing and Transmission of Muscular Information. IEEE Sensors Journal, 2021, 21, 22285-22303.	2.4	10

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73	Effects of Surface Protein Adsorption on the Distribution and Retention of Intratumorally Administered Gold Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 216.	2.0	10
74	A wireless address-event representation system for ATC-based multi-channel force wireless transmission. , 2013, , .		9
75	Wireless Multi-channel Quasi-digital Tactile Sensing Glove-Based System. , 2013, , .		9
76	Quasi-Digital Biosensor-Interface for a Portable Pen to Monitor Anaesthetics Delivery. , 2019, , .		9
77	Pattern-Reversal Visual Evoked Potential on Smart Glasses. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 226-234.	3.9	9
78	Impedance-based drug-resistance characterization of colon cancer cells through real-time cell culture monitoring. <i>Talanta</i> , 2021, 222, 121441.	2.9	9
79	Analysis of in Vivo Plant Stem Impedance Variations in Relation with External Conditions Daily Cycle. , 2021, , .		9
80	A New Noninvasive System for Clinical Pulse Wave Velocity Assessment: The Athos Device. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2021, 15, 133-142.	2.7	9
81	A new method of measuring the stiffness of astronauts' EVA gloves. <i>Acta Astronautica</i> , 2014, 97, 130-137.	1.7	8
82	Wireless monitoring in intensive care units by a 3D-printed system with embedded electronic. , 2015, , .		8
83	A Multipurpose CMOS Platform for Nanosensing. <i>Sensors</i> , 2016, 16, 2034.	2.1	8
84	Remote magnetic switch off microgate for nanofluidic drug delivery implants. <i>Biomedical Microdevices</i> , 2017, 19, 42.	1.4	8
85	Portable Memristive Biosensing System as Effective Point-of-Care Device for Cancer Diagnostics. , 2018, , .		8
86	A Low-Power Embedded System for Real-Time sEMG based Event-Driven Gesture Recognition. , 2019, , .		8
87	TAMTAMS: A flexible and open tool for UDSM process-to-system design space exploration. , 2012, , .		7
88	Activated carbonized pistachio nut shells for electrochemiluminescence detection. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 585-590.	1.5	7
89	A Flexible Low-Power 130 nm CMOS Read-Out Circuit With Tunable Sensitivity for Commercial Robotic Resistive Pressure Sensors. <i>IEEE Sensors Journal</i> , 2015, 15, 6650-6658.	2.4	7
90	MECA, the microelectronics cloud alliance. , 2018, , .		7

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91	Simultaneous quantification of multiple bacterial metabolites using surface-enhanced Raman scattering. <i>Analyst</i> , The, 2019, 144, 1600-1607.	1.7	7
92	Electronic System for Signal Transmission Inside Green Plant Body. , 2019, , .		7
93	An Event-Driven Closed-Loop System for Real-Time FES Control. , 2019, , .		7
94	Assessing the Feasibility of Augmenting Fall Detection Systems by Relying on UWB-Based Position Tracking and a Home Robot. <i>Sensors</i> , 2020, 20, 5361.	2.1	7
95	Improvements in Gold Nanorod Biocompatibility with Sodium Dodecyl Sulfate Stabilization. <i>Journal of Nanotheranostics</i> , 2021, 2, 157-173.	1.7	7
96	A low-complexity short-distance IR-UWB transceiver for real-time asynchronous ranging. , 2011, , .		6
97	A 130 nm Event-Driven Voltage and Temperature Insensitive Capacitive ROC. , 2014, , .		6
98	Pyrolyzed bamboo electrode for electrogenerated chemiluminescence of Ru(bpy) ₃ ²⁺ . <i>Electrochimica Acta</i> , 2014, 133, 169-173.	2.6	6
99	NanoCube: A Low-Cost, Modular, and High-Performance Embedded System for Adaptive Fabrication and Characterization of Nanogaps. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 322-334.	1.1	6
100	Memristor cellular automata through belief propagation inspired algorithm. , 2015, , .		6
101	Towards Multi-Domain and Multi-Physical Electronic Design. <i>IEEE Circuits and Systems Magazine</i> , 2015, 15, 18-43.	2.6	6
102	Using a Minimum Set of Wearable Sensors to Assess Quality of Movement in Stroke Survivors. , 2017, , .		6
103	Heparan Sulfate: A Potential Candidate for the Development of Biomimetic Immunomodulatory Membranes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 54.	2.0	6
104	UWB Tracking for Home Care Systems with Off-the-Shelf Components. , 2018, , .		6
105	Raspberry-Pi based system for propofol monitoring. <i>The Integration VLSI Journal</i> , 2018, 63, 213-219.	1.3	6
106	In-Vivo Monitoring for Electrical Expression of Plant Living Parameters by an Impedance Lab System. , 2019, , .		6
107	A low-power Read-Out Circuit and low-cost assembly of nanosensors onto a 0.13 μm CMOS Micro-for-Nano chip. , 2013, , .		5
108	Charge distribution in a molecular QCA wire based on bis-ferrocene molecules. , 2013, , .		5

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109	A monolithic 180Ånm CMOS dosimeter for InÅVivo Dosimetry medical application. Radiation Measurements, 2014, 71, 389-391.	0.7	5
110	A wireless transmission low-power radiation sensor for in vivo dosimetry. Journal of Instrumentation, 2014, 9, C02016-C02016.	0.5	5
111	A monolithic 180Ånm CMOS dosimeter for wireless InÅVivo Dosimetry. Radiation Measurements, 2016, 84, 55-64.	0.7	5
112	Architecture and procedures for pH and temperature monitoring in medical applications. , 2017, , .		5
113	Highly Conductive Copper Film on Inkjet-Printed Porous Silver Seed for Flexible Electronics. Journal of the Electrochemical Society, 2018, 165, D236-D242.	1.3	5
114	Event-Driven Encoding Algorithms for Synchronous Front-End Sensors in Robotic Platforms. IEEE Sensors Journal, 2019, 19, 7149-7161.	2.4	5
115	Live Wire - A Low-Complexity Body Channel Communication System for Landmark Identification. IEEE Transactions on Emerging Topics in Computing, 2020, , 1-1.	3.2	5
116	Silicon Carbide-Gated Nanofluidic Membrane for Active Control of Electrokinetic Ionic Transport. Membranes, 2021, 11, 535.	1.4	5
117	Paradigm-Shifting Players for IoT: Smart-Watches for Intensive Care Monitoring. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 71-78.	0.2	5
118	Pencil Graphite Needle-Shaped Biosensor for Anaesthetic Monitoring in Human Serum. , 2020, , .		5
119	Combining Action Observation Treatment with a BrainÅ€Computer Interface System: Perspectives on Neurorehabilitation. Sensors, 2021, 21, 8504.	2.1	5
120	Facile functionalization by Å-stacking of macroscopic substrates made of vertically aligned carbon nanotubes: Tracing reactive groups by electrochemiluminescence. Electrochimica Acta, 2011, 56, 9269-9276.	2.6	4
121	A 0.181¼m CMOS low-power radiation sensor for UWB wireless transmission. Journal of Instrumentation, 2012, 7, C12019-C12019.	0.5	4
122	Enabling Smart System design with the SMAC Platform. , 2015, , .		4
123	New design methodology for MEMS-electronic-package co-design and validation for inertial sensor systems. , 2015, , .		4
124	EE-BESD: molecular FET modeling for efficient and effective nanocomputing design. Journal of Computational Electronics, 2016, 15, 479-491.	1.3	4
125	Comparison of unusual carbon-based working electrodes for electrochemiluminescence sensors. Materials Science and Engineering C, 2017, 75, 402-407.	3.8	4
126	Low-power architecture for integrated CMOS bio-sensing. , 2017, , .		4

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127	Wireless Low Energy System Architecture for Event-Driven Surface Electromyography. Lecture Notes in Electrical Engineering, 2019, , 179-185.	0.3	4
128	Intratumoral Gold Nanoparticle-Enhanced CT Imaging: An in Vivo Investigation of Biodistribution and Retention. , 2020, , .		4
129	Biosensors for Biomolecular Computing: a Review and Future Perspectives. BioNanoScience, 2020, 10, 554-563.	1.5	4
130	New Approach for Making Standard the Development of Biosensing Devices by a Modular Multi-Purpose Design. IEEE Transactions on Nanobioscience, 2020, 19, 339-346.	2.2	4
131	Smart Portable Pen for Continuous Monitoring of Anaesthetics in Human Serum With Machine Learning. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 294-302.	2.7	4
132	Motion Analysis for Experimental Evaluation of an Event-Driven FES System. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 3-14.	2.7	4
133	Electrical Impedance-Based Characterization of Hepatic Tissue with Early-Stage Fibrosis. Biosensors, 2022, 12, 116.	2.3	4
134	Long-Range Low-Power Soil Water Content Monitoring System for Precision Agriculture. , 2022, , .		4
135	Functionalized single ZnO-metal junction as a pH sensor. , 2013, , .		3
136	European master programs in nanoelectronics and microsystems. , 2014, , .		3
137	Quantitative estimation of biological cell surface receptors by segmenting conventional fluorescence microscopy images. , 2014, , .		3
138	Low-latency asynchronous networking for the IoT: Routing analog pulse delays using IR-UWB. , 2016, , .		3
139	Raspberry Pi driven flow-injection system for electrochemical continuous monitoring platforms. , 2017, , .		3
140	High-Accuracy Wireless 6DOF Magnetic Tracking System Based on FEM Modeling. , 2018, , .		3
141	Wearable Flexible Touch Interface Using Smart Threads. , 2018, , .		3
142	Multi-Panel, On-Single-Chip Memristive Biosensing. IEEE Sensors Journal, 2019, 19, 5769-5774.	2.4	3
143	New Measurement Method in Drug Sensing by Direct Total-Charge Detection in Voltammetry. , 2020, , .		3
144	A Low-Complexity 6DOF Magnetic Tracking System Based on Pre-Computed Data Sets for Wearable Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5065-5078.	3.5	3

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145	A novel system for measuring visual potentials evoked by passive head-mounted display stimulators. Documenta Ophthalmologica, 2022, 144, 125-135.	1.0	3
146	Low power wireless ultra-wide band transmission of bio-signals. Journal of Instrumentation, 2014, 9, C12002-C12002.	0.5	3
147	Electromigration Feedback Controlled Nanogaps Fabrication Based on MPTMS Adhesion Layer. , 2008, , .		2
148	Integrated bio-inspired systems: An event-driven design framework. , 2014, , .		2
149	A hybrid quasi-digital/neuromorphic architecture for tactile sensing in humanoid robots. , 2015, , .		2
150	Embedded sensors for Micro Transdermal Interface Platforms (MicroTIPs). , 2016, , .		2
151	Capacitive coupling analysis using double-surface ICs for low cost passive RFID tags. , 2016, , .		2
152	Tackling Technical Research. IEEE Potentials, 2016, 35, 29-33.	0.2	2
153	Live demonstration: An IoT smartwatch-based system for intensive care monitoring. , 2017, , .		2
154	Quality-Energy Trade-off and Bio-Inspired Electronic Systems. , 2018, , .		2
155	Mixed Gold and Platinum Nanostructured Layers for All-Solid-State Ion Sensors. , 2018, , .		2
156	Wearable System for Spinal Cord Injury Rehabilitation with Muscle Fatigue Feedback. , 2018, , .		2
157	Thermally Controlled Lab-on-PCB for Biomedical Applications. , 2018, , .		2
158	Live Demonstration: Event-Driven Serial Communication on Optical Fiber. , 2019, , .		2
159	Live Demonstration: Low Power Embedded System for Event-Driven Hand Gesture Recognition. , 2019, , .		2
160	Live Demonstration: Smart Glasses-based Portable System for Pattern-Reversal Visual Evoked Potential clinical evaluations. , 2019, , .		2
161	Emulator Design and Generation of Synthetic Dataset in Multi-Ion Sensing. , 2020, , .		2
162	A 20 Mbps, 433 MHz RF ASK Transmitter to Inductively Power a Distributed Network of Miniaturised Neural Implants. , 2021, , .		2

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163	Accuracy of a new instrument for noninvasive evaluation of pulse wave velocity: the Arterial Stiffness faithful tool assessment project. <i>Journal of Hypertension</i> , 2021, 39, 2164-2172.	0.3	2
164	Work-in-Progress: MicroElectronics Cloud Alliance. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 344-350.	0.5	2
165	Hyaluronate-Thiol Passivation Enhances Gold Nanoparticle Peritumoral Distribution When Administered Intratumorally in Lung Cancer. <i>Biomedicines</i> , 2021, 9, 1561.	1.4	2
166	All-digital VLSI fuzzy inference engine: a case study. <i>International Journal of Electronics</i> , 1995, 79, 193-203.	0.9	1
167	An integrated and mixed technology LOC hydrodynamic focuser for cell counting application. , 2010, , .		1
168	Cell-based digital microfluidic chip for drug mixing and droplets generation: Design and simulation. , 2012, , .		1
169	A 130 nm CMOS IR-UWB receiver based on baseband cross-phase detection. , 2014, , .		1
170	Interface of a single ZnO-nanowire assembled onto custom-fabricated nanogap device for UV sensing applications. , 2015, , .		1
171	A flexible resistive Read-Out Circuit suitable to multi-purpose ZnO nanostructured transducers for robotic applications. , 2015, , .		1
172	Estimating Clinical Scores From Wearable Sensor Data In Stroke Survivors. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, e65.	0.5	1
173	Work-in-progress: MicroElectronics Cloud Alliance. , 2017, , .		1
174	Live Demonstration: Low Power System for Event-Driven Control of Functional Electrical Stimulation. , 2018, , .		1
175	Live Demonstration: An IoT Cloud-Based Architecture for Anesthesia Monitoring. , 2018, , .		1
176	Live Demonstration: Quasi-Digital Portable Pen to Monitor Anaesthetics Delivery. , 2019, , .		1
177	Abstract 2800: The effect of surface protein adsorption on gold nanoparticle-intratumoral distribution and retention in a pre-clinical model of non-small cell lung cancer. , 2021, , .		1
178	Guest Editorial Circuits and Systems for Smart Agriculture and Healthy Foods. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021, 11, 431-434.	2.7	1
179	Carbon Nanomaterials for Electrochemical and Electrochemiluminescent Medical Sensors. , 2015, , 133-152.		1
180	KNOWLEDGE ALLIANCE IN MICROELECTRONICS. , 2016, , .		1

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181	Abstract PO-058: Intratumoral distribution and retention of gold nanoparticles characterized by computed tomography in a non-small cell lung cancer model. , 2020, , .		1
182	From 0.18Åµm to 28nm CMOS Down-scaling for Data Links in Body Dust Applications. , 2021, , .		1
183	A VLSI processor array for graph isomorphism. International Journal of Electronics, 1994, 76, 655-679.	0.9	0
184	MEMS-based blood cell counting system. , 2008, , .		0
185	Microsystems for Blood Cell Counting. Advances in Science and Technology, 2008, 57, 55-60.	0.2	0
186	Nanolab fabrication for nanoelectronics and sensors. , 2009, , .		0
187	Sensor system for on-line monitoring of cell cultures. , 2009, , .		0
188	Euro training courses of microsystems technology and nanotechnology for electronics. , 2010, , .		0
189	An integrated LOC hydrodynamic focuser with a CNN-based camera system for cell counting application. , 2011, , .		0
190	A Hardware-In-the-Design Methodology for Wireless Sensor Networks Based on Event-Driven Impulse Radio Ultra-Wide Band. , 2012, , .		0
191	A 130nm PMOS drain-degenerated ratioless level-shifter for near-threshold designs. , 2013, , .		0
192	Simulation and Design of a Cell-Based Digital Microfluidic Chip for Continuous Monitoring of Acute Toxic Chemicals. Applied Mechanics and Materials, 0, 336-338, 523-527.	0.2	0
193	Nanogap-based enzymatic-free electrochemical detection of glucose. , 2013, , .		0
194	A MEMS design methodology for model-order-reduction, based on high-order parametric elements. , 2014, , .		0
195	Live demonstration: A smart camera for real-time monitoring of fluorescent cell biomarkers. , 2014, , .		0
196	Nanogaps and biomolecules. , 0, , 11-33.		0
197	Modular framework for molecular-FET device-to-circuit modeling. , 2015, , .		0
198	Tissue Engineering: Engineered 3D Cardiac Fibrotic Tissue to Study Fibrotic Remodeling (Adv.) Tj ETQq0 0 0 rgBT /Oygrlock 1Q Tf 50 62 T		0

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199	A Novel Pediatric Exoskeleton for Over-Ground Gait Training in Children with Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2017, 98, e26-e27.	0.5	0
200	Flexible Electrochemical Biochip Array of Patterned Gold on Silver Inkjet Printed Polyimide. ECS Transactions, 2017, 77, 893-910.	0.3	0
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