

# Andreas Demosthenous

## List of Publications by Year in descending order

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34  
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139103

58  
g-index

298  
all docs

298  
docs citations

298  
times ranked

9545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hardware Efficient Speech Enhancement With Noise Aware Multi-Target Deep Learning. IEEE Open Journal of Circuits and Systems, 2024, 5, 141-152.	2.0	0
2	A multi-channel stimulator with an active electrode array implant for vagal-cardiac neuromodulation studies. Bioelectronic Medicine, 2024, 10, .	2.7	0
3	Multilayered Colonialism of Women Under Patriarchy: Liberation Achieved Successfully in Djebarâ€™s Children of the New World. Al-maÇšallatü Al-urduñiyatü Li-l-â€™ulÄ«m Al-taá¹bÄ«qiyyatü Al-â€™ulÄ«m Al-insÄñiyatü, 2024, 40, .		
4	A High-Voltage Differential SPDT T/R Switch for Ultrasound Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2024, , 1-12.	5.8	0
5	Active Neural Interface Circuits and Systems for Selective Control of Peripheral Nerves: A Review. IEEE Transactions on Biomedical Circuits and Systems, 2024, , 1-23.	4.5	0
6	A 1.76 mW, 355-fps, Electrical Impedance Tomography System With a Simple Time-to-Digital Impedance Readout for Fast Neonatal Lung Imaging. IEEE Journal of Solid-State Circuits, 2024, , 1-12.	5.7	0
7	HgbNet: Predicting Hemoglobin Level/Anemia Degree From Irregular EHR. IEEE Access, 2024, 12, 144837-144854.	4.4	0
8	A Deep Neural Network-Based Spike Sorting With Improved Channel Selection and Artefact Removal. IEEE Access, 2023, 11, 15131-15143.	4.4	4
9	High Efficiency Power Management Unit for Implantable Optical-Electrical Stimulators. IEEE Open Journal of Circuits and Systems, 2023, 4, 3-14.	2.0	4
10	Efficient Dual Output Regulating Rectifier and Adiabatic Charge Pump for Biomedical Applications Employing Wireless Power Transfer. Journal of Low Power Electronics and Applications, 2023, 13, 20.	2.2	0
11	Low Power Analog Processing for Ultra-High-Speed Receivers With RF Correlation. IEEE Access, 2023, 11, 37944-37957.	4.4	2
12	Effects of Patient Recumbency Position on Neonatal Chest EIT. IEEE Access, 2023, 11, 68257-68268.	4.4	0
13	An 89.3% Current Efficiency, Sub 0.1% THD Current Driver for Electrical Impedance Tomography. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 3742-3746.	3.2	1
14	DeepNav: Joint View Learning for Direct Optimal Path Perception in Cochlear Surgical Platform Navigation. IEEE Access, 2023, , 1-1.	4.4	0
15	Neural Stimulation Hardware for the Selective Intrafascicular Modulation of the Vagus Nerve. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 4449-4458.	5.0	1
16	Generation of Anatomically Inspired Human Airway Tree Using Electrical Impedance Tomography: A Method to Estimate Regional Lung Filling Characteristics. IEEE Transactions on Medical Imaging, 2022, 41, 1125-1137.	9.1	4
17	Electrical Biosensors: Peripheral Nerve Sensors. , 2022, , 65-85.		0
18	Physicochemical, Mechanical, and Structural Properties of Bio-Active Films Based on Biological-Chemical Chitosan, a Novel Ramon (Brosimum alicastrum) Starch, and Quercetin. Polymers, 2022, 14, 1346.	4.6	15

#	ARTICLE	IF	CITATIONS
19	mmWave V2V Localization in MU-MIMO Hybrid Beamforming. IEEE Open Journal of Vehicular Technology, 2022, 3, 210-220.	5.3	4
20	Cross-sectional chest circumference and shape development in infants. BMC Research Notes, 2022, 15, .	1.4	1
21	A Low-Power Recursive I/Q Signal Generator and Current Driver for Bioimpedance Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4108-4112.	3.2	2
22	An Implantable Phase Locked Loop MEMS-Based Readout System for Heart Transplantation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4168-4172.	3.2	2
23	Design of a CMOS Analog Front-End for Wearable A-Mode Ultrasound Hand Gesture Recognition. , 2022, , .		0
24	A Fully Implantable Opto-Electro Closed-Loop Neural Interface for Motor Neuron Disease Studies. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 752-765.	4.5	10
25	A Compact CNN-Based Speech Enhancement With Adaptive Filter Design Using Gabor Function and Region-Aware Convolution. IEEE Access, 2022, 10, 130657-130671.	4.4	1
26	The Performance of Minicircle DNA Versus Parental Plasmid in <i>p53</i> Gene Delivery Into HPV-18-Infected Cervical Cancer Cells. Nucleic Acid Therapeutics, 2021, 31, 82-91.	3.9	12
27	Noble-Metal Nanoframes and Their Catalytic Applications. Chemical Reviews, 2021, 121, 796-833.	51.4	131
28	Deep Analysis of EIT Dataset to Classify Apnea and Non-Apnea Cases in Neonatal Patients. IEEE Access, 2021, 9, 25131-25139.	4.4	7
29	Electrical Impedance Tomography for Biomedical Applications: Circuits and Systems Review. IEEE Open Journal of Circuits and Systems, 2021, 2, 380-397.	2.0	50
30	Towards More Efficient DNN-Based Speech Enhancement Using Quantized Correlation Mask. IEEE Access, 2021, 9, 24350-24362.	4.4	18
31	Discovery of Cymopolyphenols From a Marine Mesophotic Zone Aaptos Sponge-Associated Fungus Cymostachys sp. NBUF082. Frontiers in Microbiology, 2021, 12, 638610.	3.6	10
32	Thoracic shape changes in newborns due to their position. Scientific Reports, 2021, 11, 4446.	3.4	5
33	Making realistic wave climates in low-cost wave mesocosms: A new tool for experimental ecology and biogeomorphology. Limnology and Oceanography: Methods, 2021, 19, 317-330.	2.0	8
34	An Active Microchannel Neural Interface with Artifact Reduction. , 2021, , .		3
35	A Discrete Wavelet Transform-Based Voice Activity Detection and Noise Classification with Sub-Band Selection. , 2021, , .		3
36	A Power Efficient Time-to-Current Stimulator for Vagal-Cardiac Connection after Heart Transplantation. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
37	An Integrated Bidirectional Multi-Channel Opto-Electro Arbitrary Waveform Stimulator for Treating Motor Neurone Disease. , 2021, , .		7
38	RF Wireless Power Transfer for EIT Neonate Lung Function Monitoring. , 2021, , .		0
39	An Imaged Based Method for Universal Performance Evaluation of Electrical Impedance Tomography Systems. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 464-473.	4.5	14
40	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_c^+ \pi^-$ . Physical Review Letters, 2021, 126, 252003.	8.0	27
41	A Versatile Hermetically Sealed Microelectronic Implant for Peripheral Nerve Stimulation Applications. Frontiers in Neuroscience, 2021, 15, 681021.	2.9	4
42	Effect of methylphenidate as a dopaminergic agent on myopia: Pilot study. International Journal of Clinical Practice, 2021, 75, e14665.	1.7	4
43	Model Selection Based Algorithm in Neonatal Chest EIT. IEEE Transactions on Biomedical Engineering, 2021, 68, 2752-2763.	4.4	7
44	A Goertzel Filter-Based System for Fast Simultaneous Multi-Frequency EIS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3133-3137.	3.2	9
45	Survival Impact and Cost-Effectiveness of a Multidisciplinary Tumor Board for Breast Cancer in Mozambique, Sub-Saharan Africa. Oncologist, 2021, 26, e996-e1008.	4.1	18
46	Locating Functionalized Gold Nanoparticles Using Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2021, PP, 1-1.	4.4	1
47	Development of an in-line magnetometer for flow chemistry and its demonstration for magnetic nanoparticle synthesis. Lab on A Chip, 2021, 21, 3775-3783.	6.1	8
48	Integrated Circuits for Medical Ultrasound Applications: Imaging and Beyond. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 838-858.	4.5	26
49	A Multi-Channel Stimulator With High-Resolution Time-to-Current Conversion for Vagal-Cardiac Neuromodulation. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 1186-1195.	4.5	16
50	1.2-V Energy-Efficient Wireless CMOS Potentiostat for Amperometric Measurements. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1700-1704.	3.2	6
51	A Smart Dual-Mode Calorimetric Flow Sensor. IEEE Sensors Journal, 2020, 20, 1499-1508.	4.8	12
52	Feedback in Couple and Family Therapy: A Randomized Clinical Trial. Family Process, 2020, 59, 36-51.	2.8	12
53	Impact of neuroanatomical variations and electrode orientation on stimulus current in a device for migraine: a computational study. Journal of Neural Engineering, 2020, 17, 016006.	3.5	12
54	Towards a Universal Methodology for Performance Evaluation of Electrical Impedance Tomography Systems using Full Reference SNR. , 2020, , .		3

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55	Serum-IgG responses to SARS-CoV-2 after mild and severe COVID-19 infection and analysis of IgG non-responders. PLoS ONE, 2020, 15, e0241104.	2.5	159
56	Time Stamp â€“ A Novel Time-to-Digital Demodulation Method for Bioimpedance Implant Applications. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 997-1007.	4.5	14
57	Live Demonstration: Performance Evaluation of Electrical Impedance Tomography Systems using a Color-Coded Full Reference SNR Method. , 2020, , .		0
58	Live Demonstration: A Wearable Multi-Sensory Platform for Closed-Loop Optical Stimulation Control in Treating Muscle Paralysis. , 2020, , .		0
59	Monitoring Myocardial Edema Tissue with Electrical Impedance Spectroscopy. , 2020, , .		2
60	A Fast and Reliable Three-Dimensional Centerline Tracing: Application to Virtual Cochlear Implant Surgery. IEEE Access, 2020, 8, 167757-167766.	4.4	2
61	Assessment of potentially harmful elements in floodplain soils and stream sediments in Ile-Ife area, South-western Nigeria. SN Applied Sciences, 2020, 2, 1.	2.9	3
62	Real Time Non-Invasive Hemodynamic Assessment of Ventricular Tachycardia. IEEE Access, 2020, 8, 138652-138660.	4.4	0
63	Auditory filter-bank compression improves estimation of signal-to-noise ratio for speech in noise. Journal of the Acoustical Society of America, 2020, 147, 3197-3208.	1.2	3
64	Adaptive Electrical Impedance Tomography Resolution Enhancement Using Statistically Quantized Projected Image Sub-Bands. IEEE Access, 2020, 8, 99797-99805.	4.4	5
65	A Framework for Adapting Deep Brain Stimulation Using Parkinsonian State Estimates. Frontiers in Neuroscience, 2020, 14, 499.	2.9	14
66	Implementing machine learning methods for imaging flow cytometry. Microscopy (Oxford, England), 2020, 69, 61-68.	1.4	17
67	Hand Gesture Recognition Using Three-Dimensional Electrical Impedance Tomography. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1554-1558.	3.2	46
68	Accurate, Very Low Computational Complexity Spike Sorting Using Unsupervised Matched Subspace Learning. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 221-231.	4.5	13
69	Prevention of cardiac allograft vasculopathy â€“ A new possible indication for SGLT-2 inhibitors?. Medical Hypotheses, 2020, 137, 109594.	1.5	9
70	Towards a thoracic conductive phantom for EIT. Medical Engineering and Physics, 2020, 77, 88-94.	1.8	5
71	Optimizing Speech Recognition Using a Computational Model of Human Hearing: Effect of Noise Type and Efferent Time Constants. IEEE Access, 2020, 8, 56711-56719.	4.4	14
72	Dictionary selection for compressed sensing of EEG signals using sparse binary matrix and spatiotemporal sparse Bayesian learning. Biomedical Physics and Engineering Express, 2020, 6, 065024.	1.2	7

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73	Medium-voltage grid state control as a basis towards a holistic automation in smart distribution systems. CIREN - Open Access Proceedings Journal, 2020, 2020, 473-476.	0.3	1
74	Short-Range Quality-Factor Modulation (SQuirM) for Low Power High Speed Inductive Data Transfer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3254-3265.	5.8	7
75	Analysis of patient perceptions of Mohs surgery on social media platforms. Archives of Dermatological Research, 2019, 311, 731-734.	2.1	15
76	A 122 fps, 1 MHz Bandwidth Multi-Frequency Wearable EIT Belt Featuring Novel Active Electrode Architecture for Neonatal Thorax Vital Sign Monitoring. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 927-937.	4.5	56
77	DSP variants may be associated with longitudinal change in quantitative emphysema. Respiratory Research, 2019, 20, 160.	3.7	8
78	Towards a System for Tracking Drug Delivery Using Frequency Excited Gold Nanoparticles. Sensors, 2019, 19, 4750.	4.0	2
79	A glyphosate-based herbicide induces sub-lethal effects in early life stages and liver cell line of rainbow trout, <i>Oncorhynchus mykiss</i> . Aquatic Toxicology, 2019, 216, 105291.	4.0	26
80	Exposure of mosquito ( <i>Aedes aegypti</i> ) larvae to the water extract and lectin-rich fraction of <i>Moringa oleifera</i> seeds impairs their development and future fecundity. Ecotoxicology and Environmental Safety, 2019, 183, 109583.	6.2	16
81	Predicting Overall Survival and Progression-Free Survival Using Tumor Dynamics in Advanced Breast Cancer Patients. AAPS Journal, 2019, 21, 22.	4.7	5
82	Live Demonstration: A Wearable Torso Shape Detection Belt for Lung Respiration Monitoring. , 2019, , .		2
83	A Power-Efficient Current Generator with Common Mode Signal Autozero Feedback for Bioimpedance Measurement Applications. , 2019, , .		2
84	Compressive sensing in electrical impedance tomography for breathing monitoring. Physiological Measurement, 2019, 40, 034010.	2.2	10
85	Analog Integrated Current Drivers for Bioimpedance Applications: A Review. Sensors, 2019, 19, 756.	4.0	10
86	Tuning the Magnetization Dynamic Properties of Nd <sup>3+</sup> and Nd <sup>3+</sup> Co Single-Molecular Magnets by Introducing 3d of Magnetic Interactions. Chemistry - an Asian Journal, 2019, 14, 2029-2035.	3.3	4
87	How normal is normal: Consequences of stride to stride variability, treadmill walking and age when using normative paediatric gait data. Gait and Posture, 2019, 70, 289-297.	1.6	16
88	Outgoing Editorial. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4555-4556.	5.8	0
89	Pattern Recognition in Human Motion for Kinetic Energy Harvesting. , 2019, , .		1
90	Correction to "Practical Inductive Link Design for Biomedical Wireless Power Transfer: A Tutorial" [Oct 18 1112-1130]. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 592-592.	4.5	2

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91	Non-Invasive Detection of Mechanical Alternans Utilizing Photoplethysmography. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2409-2416.	6.9	8
92	An ASIC for Recording and Stimulation in Stacked Microchannel Neural Interfaces. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 259-270.	4.5	12
93	Effect of auditory efferent time-constant duration on speech recognition in noise. Journal of the Acoustical Society of America, 2018, 143, EL112-EL115.	1.2	7
94	New Year Editorial. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1-2.	5.8	6
95	A Capacitance-to-Digits Readout Circuit for Integrated Humidity Sensors for Monitoring the In-Package Humidity of Ultra-Small Medical Implants. , 2018, , .		1
96	Complementary Detection for Hardware Efficient On-Site Monitoring of Parkinsonian Progress. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 603-615.	4.2	7
97	Toward Adaptive Deep Brain Stimulation in Parkinson's Disease: A Review. Neurodegenerative Disease Management, 2018, 8, 115-136.	2.3	10
98	Asymmetrical Sensing Configuration for Improved Sensitivity in Calorimetric High Flow Measurements in Constant Power Mode. , 2018, , .		1
99	Implementation of Eye-Tracking Technology in Holonic Manufacturing Systems. Procedia, Social and Behavioral Sciences, 2018, 238, 37-45.	0.5	2
100	Clinical Benefit of Treatment of Stage-1, Low-Risk Hypertension. Hypertension, 2018, 72, 1285-1293.	5.2	20
101	A Human-Machine Interface Using Electrical Impedance Tomography for Hand Prosthesis Control. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1322-1333.	4.5	73
102	Influence of cellular structures of skin on fiber activation thresholds and computation cost. Biomedical Physics and Engineering Express, 2018, 5, 015015.	1.2	6
103	A High Frame Rate Wearable EIT System Using Active Electrode ASICs for Lung Respiration and Heart Rate Monitoring. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3810-3820.	5.8	66
104	An Adaptive Neural Spike Processor With Embedded Active Learning for Improved Unsupervised Sorting Accuracy. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 665-676.	4.5	29
105	The State of the Union Is Strong: a Review of ASM's 6th Conference on Cell-Cell Communication in Bacteria. Journal of Bacteriology, 2018, 200, .	2.4	1
106	Torso shape detection to improve lung monitoring. Physiological Measurement, 2018, 39, 074001.	2.2	23
107	Gastrointestinal metastasis of primary lung cancer: An analysis of 366 cases. Oncology Letters, 2018, 15, 9766-9776.	1.8	38
108	A Non-Linear Feedback Current Driver With Automatic Phase Compensation for Bioimpedance Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1340-1344.	3.2	14

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109	Practical Inductive Link Design for Biomedical Wireless Power Transfer: A Tutorial. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1112-1130.	4.5	114
110	A Low-Power, Wireless, Capacitive Sensing Frontend Based on a Self-Oscillating Inductive Link. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2645-2656.	5.8	7
111	CMOS Image Sensor for Lateral Flow Immunoassay Readers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1405-1409.	3.2	7
112	A Multichannel High-Frequency Power-Isolated Neural Stimulator With Crosstalk Reduction. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 940-953.	4.5	23
113	An Energy-Efficient 1.2V 4-Channel Wireless CMOS Potentiostat for Amperometric Biosensors. , 2018, , .		2
114	Towards a High Accuracy Wearable Hand Gesture Recognition System Using EIT. , 2018, , .		24
115	Investigation of subdural electrode displacement in invasive epilepsy surgery workup using neuronavigation and intraoperative MRI. Neurological Research, 2018, 40, 811-821.	1.4	5
116	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.8	1
117	Update From the Editor-in-Chief. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 1-2.	5.8	1
118	Detecting colorectal cancer using electrical impedance spectroscopy: an <i>ex vivo</i> feasibility study. Physiological Measurement, 2017, 38, 1278-1288.	2.2	17
119	Design of sEMG assembly to detect external anal sphincter activity: a proof of concept. Physiological Measurement, 2017, 38, L17-L27.	2.2	2
120	5G Uniform Linear Arrays With Beamforming and Spatial Multiplexing at 28, 37, 64, and 71 GHz for Outdoor Urban Communication: A Two-Level Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 9972-9985.	6.7	54
121	Compact pixel architecture for CMOS lateral flow immunoassay readout systems. , 2017, , .		1
122	A highly accurate spike sorting processor with reconfigurable embedded frames for unsupervised and adaptive analysis of neural signals. , 2017, , .		1
123	Loose-fit graphitic encapsulation of silicon nanowire for one-dimensional Si anode design. Journal of Materials Science and Technology, 2017, 33, 1120-1127.	10.8	8
124	Toward On-Demand Deep Brain Stimulation Using Online Parkinson's Disease Prediction Driven by Dynamic Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2441-2452.	5.0	26
125	Detection of the tau protein in human serum by a sensitive four-electrode electrochemical biosensor. Biosensors and Bioelectronics, 2017, 92, 482-488.	10.4	89
126	An Integrated Passive Phase-Shift Keying Modulator for Biomedical Implants With Power Telemetry Over a Single Inductive Link. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 64-77.	4.5	68



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127	The Hubble Space Telescope UV Legacy Survey of Galactic globular clusters – IX. The Atlas of multiple stellar populations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3636-3656.	4.6	349
128	Effect of model complexity on fiber activation estimates in a wearable neuromodulator for migraine. , 2017, , .		4
129	Single-pulse harmonic modulation for short range biomedical inductive data transfer. , 2017, , .		4
130	Design and Analysis of a Bio-inspired Flapping Wing Robot. , 2017, , .		2
131	Research Progress on Design Methods for Missile Integrated Guidance and Control. , 2017, , .		2
132	Effect of nerve variations on the stimulus current level in a wearable neuromodulator for migraine: A modeling study. , 2017, , .		4
133	A CMOS current driver with built-in common-mode signal reduction capability for EIT. , 2017, , .		14
134	Optimized Lateral Flow Immunoassay Reader for the Detection of Infectious Diseases in Developing Countries. Sensors, 2017, 17, 2673.	4.0	27
135	A 32-by-32 CMOS microelectrode array for capacitive biosensing and impedance spectroscopy. , 2017, , .		8
136	Qualidade do registro de dados sobre acidentes de trabalho fatais no Brasil. Revista De Saude Publica, 2017, 51, 120.	1.8	6
137	Wideband Fully-Programmable Dual-Mode CMOS Analogue Front-End for Electrical Impedance Spectroscopy. Sensors, 2016, 16, 1159.	4.0	20
138	Frequency Splitting Analysis and Compensation Method for Inductive Wireless Powering of Implantable Biosensors. Sensors, 2016, 16, 1229.	4.0	26
139	Design considerations and optimization of calorimetric flow sensor for respiratory monitoring. , 2016, , .		2
140	Wireless paper-based biosensor reader for the detection of infectious diseases at the point of care. , 2016, , .		6
141	An improved wideband CMOS current driver for bioimpedance applications. , 2016, , .		2
142	Optimized Active Single-Miller Capacitor Compensation With Inner Half-Feedforward Stage for Very High-Load Three-Stage OTAs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1349-1359.	5.8	56
143	Design of a CMOS active electrode IC for wearable electrical impedance tomography systems. , 2016, , .		14
144	An implantable wireless multi-channel neural prosthesis for epidural stimulation. , 2016, , .		4

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145	An Implantable Stimulator With Safety Sensors in Standard CMOS Process for Active Books. IEEE Sensors Journal, 2016, 16, 7161-7172.	4.8	5
146	<i>Lactobacillus rhamnosus</i> GG Effect on Behavior of Zebrafish During Chronic Ethanol Exposure. BioResearch Open Access, 2016, 5, 1-5.	2.5	12
147	Advances in Scalable Implantable Systems for Neurostimulation Using Networked ASICs. IEEE Design and Test, 2016, 33, 8-23.	1.4	6
148	Minimizing Stimulus Current in a Wearable Pudendal Nerve Stimulator Using Computational Models. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 506-515.	5.0	13
149	The long-term effects of probiotics in the therapy of ulcerative colitis: A clinical study. Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia, 2016, 160, 372-377.	0.6	86
150	Output stage of a dynamic current steering deep brain stimulator. , 2015, , .		1
151	Determinants of health-related quality of life in older primary care patients: results of the longitudinal observational AgeCoDe Study. British Journal of General Practice, 2015, 65, e716-e723.	2.6	59
152	Flexible active electrode arrays with ASICs that fit inside the rat's spinal canal. Biomedical Microdevices, 2015, 17, 106.	3.0	17
153	The role of intrapersonal factors in the changes in alcohol use and normative beliefs. European Journal of Public Health, 2015, 25, .	0.3	0
154	Efficiency optimization of class-D biomedical inductive wireless power transfer systems by means of frequency adjustment. , 2015, 2015, 5473-6.		2
155	A Sinusoidal Current Driver With an Extended Frequency Range and Multifrequency Operation for Bioimpedance Applications. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 401-411.	4.5	17
156	A Wideband Low-Distortion CMOS Current Driver for Tissue Impedance Analysis. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 154-158.	3.2	33
157	On the application of frequency selective common mode feedback for multifrequency EIT. Physiological Measurement, 2015, 36, 1337-1350.	2.2	16
158	A Vestibular Prosthesis With Highly-Isolated Parallel Multichannel Stimulation. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 124-137.	4.5	15
159	An Implantable Versatile Electrode-Driving ASIC for Chronic Epidural Stimulation in Rats. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 387-400.	4.5	22
160	Design Methodology of Subthreshold Three-Stage CMOS OTAs Suitable for Ultra-Low-Power Low-Area and High Driving Capability. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1453-1462.	5.8	75
161	A High-Power CMOS Class-D Amplifier for Inductive-Link Medical Transmitters. IEEE Transactions on Power Electronics, 2015, 30, 4477-4488.	8.1	16
162	Generalized Analysis of Random Common-Mode Rejection Performance of CMOS Current Feedback Instrumentation Amplifiers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2137-2146.	5.8	11

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163	High-Performance Four-Stage CMOS OTA Suitable for Large Capacitive Loads. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2476-2484.	5.8	70
164	An integrated CMOS current driver using nonlinear feedback for bioimpedance applications. , 2015, , .		1
165	Q-enhancement with on-chip inductor optimization for reconfigurable &#x0394;-&#x03A3; radio-frequency ADC. , 2015, , .		0
166	Design of a wideband CMOS impedance spectroscopy ASIC analog front-end for multichannel biosensor interfaces. , 2015, 2015, 885-8.		3
167	Electrical Biosensors: Peripheral Nerve Sensors. , 2015, , 1-21.		0
168	Advances in Microelectronics for Implantable Medical Devices. Advances in Electronics, 2014, 2014, 1-21.	1.8	21
169	Wearable sensors for patient-specific boundary shape estimation to improve the forward model for electrical impedance tomography (EIT) of neonatal lung function. Physiological Measurement, 2014, 35, 1149-1161.	2.2	14
170	An Integrated Analog Readout for Multi-Frequency Bioimpedance Measurements. IEEE Sensors Journal, 2014, 14, 2792-2800.	4.8	60
171	A CMOS Smart Temperature and Humidity Sensor with Combined Readout. Sensors, 2014, 14, 17192-17211.	4.0	17
172	Comparison of the frictional resistance between archwire and different bracket system: An in vitro study. Journal of Pharmacy and Bioallied Sciences, 2014, 6, 150.	0.6	13
173	Evaluation and optimization of the mechanical strength of bonds between metal foil and aluminium pads on thin ASICs using gold ball studs as micro-rivets. , 2014, , .		2
174	The interaction of nonstructural protein 9 with retinoblastoma protein benefits the replication of genotype 2 porcine reproductive and respiratory syndrome virus in vitro. Virology, 2014, 464-465, 432-440.	2.5	31
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