

Derek Abbott

List of Publications by Year in descending order

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Version: 2024-02-01

751
papers

20,427
citations

10389

72
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20358

116
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769
all docs

769
docs citations

769
times ranked

13693
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-Performance ENZ Modulator Based on a Stack of Three-Layer Graphene and ITO. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-11.	2.9	14
2	Stochastic Resonance Enhancement for Leak Detection in Pipelines Using Fluid Transients and Convolutional Neural Networks. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	11
3	ASYMMETRY AND DISORDER: A DECADE OF PARRONDO'S PARADOX. , 2022, , 175-202.		0
4	Training threshold neural networks by extreme learning machine and adaptive stochastic resonance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 432, 128008.	2.1	4
5	Ethnic disparities in publicly-available pulse oximetry databases. Communications Medicine, 2022, 2, .	4.2	12
6	Two-player quantum games: When player strategies are via directional choices. Quantum Information Processing, 2022, 21, .	2.2	3
7	Generalization of stochastic-resonance-based threshold networks with Tikhonov regularization. Physical Review E, 2022, 106, .	2.1	9
8	Hollow Core Inhibited Coupled Antiresonant Terahertz Fiber: A Numerical and Experimental Study. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 245-260.	3.1	24
9	Transcranial Low-Intensity Pulsed Ultrasound Stimulation Induces Neuronal Autophagy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 46-53.	3.0	8
10	Maximum Likelihood Estimation of Stochastic Fractional Singular Models. IEEE Access, 2021, 9, 128276-128287.	4.2	4
11	A Noise-Boosted Remaining Useful Life Prediction Method for Rotating Machines Under Different Conditions. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	5
12	Study of vibrational resonance in nonlinear signal processing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200235.	3.4	5
13	Correction to: "Experimental Study on Glass and Polymers: Determining the Optimal Material for Potential Use in Terahertz Technology" IEEE Access, 2021, 9, 2705-2705.	4.2	0
14	Novel AESA Architecture for Earth Observation and Planetary Sciences. , 2021, , .		0
15	Addendum: Sultana, J., et al. Terahertz Hollow Core Antiresonant Fiber with Metamaterial Cladding. Fibers 2020, 8, 14. Fibers, 2021, 9, 20.	4.0	0
16	Signal estimation and filtering from quantized observations via adaptive stochastic resonance. Physical Review E, 2021, 103, 052108.	2.1	14
17	Suppression of the Stimulated Brillouin and Raman Scattering in Actively Q-switched Fiber Lasers through Temporal Pulse Shaping. Annalen Der Physik, 2021, 533, 2000541.	2.4	2
18	Enhancing threshold neural network via suprathreshold stochastic resonance for pattern classification. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 403, 127387.	2.1	16

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19	Wide Bandgap DC-DC Converter Topologies for Power Applications. Proceedings of the IEEE, 2021, 109, 1253-1275.	21.3	25
20	A high-performance TE modulator/TM-pass polarizer using selective mode shaping in a VO ₂ -based side-polished fiber. Nanophotonics, 2021, 10, 3451-3463.	6.0	25
21	Linearity and Nonlinearity in Hollow-Core Antiresonant Fiber Sensors in the Terahertz Regime. IEEE Instrumentation and Measurement Magazine, 2021, 24, 5-11.	1.6	0
22	The development of tumour vascular networks. Communications Biology, 2021, 4, 1111.	4.4	12
23	Distributed Bayesian vector estimation using noise-optimized low-resolution sensor observations. , 2021, 118, 103224.		5
24	Parallel and Distributed Optimization Method With Constraint Decomposition for Energy Management of Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 4627-4640.	9.0	23
25	Improved Subaperture Based Aperture-Dependent Motion Compensation Based on Adaptive Blocking and Apodization. , 2021, , .		0
26	High Q Asymmetrical Terahertz Metasurface For Frequency Selective Applications. , 2021, , .		0
27	Single-Step Tabletop Fabrication for Low-Attenuation Terahertz Special Optical Fibers. Advanced Photonics Research, 2021, 2, 2100165.	3.6	2
28	Noise-Boosted Backpropagation Learning of Feedforward Threshold Neural Networks for Function Approximation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	6
29	Optimally Tuned Controller for Single-Phase Grid-Connected PV Micro-Inverters. , 2021, , .		1
30	Impact of high renewable penetration on storage requirements for Australia. , 2021, , .		2
31	Deep learning-based cardiovascular image diagnosis: A promising challenge. Future Generation Computer Systems, 2020, 110, 802-811.	7.5	121
32	Tunable localized surface plasmon graphene metasurface for multiband superabsorption and terahertz sensing. Carbon, 2020, 158, 559-567.	10.3	218
33	Stochastic resonance in Hopfield neural networks for transmitting binary signals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126143.	2.1	27
34	Composing recipes based on nutrients in food in a machine learning context. Neurocomputing, 2020, 415, 382-396.	5.9	3
35	Integrated GaN Power Switches for Pulsed PAs and Switching Power Conversion Applications. , 2020, , .		0
36	Impact of Data Transformation: An ECG Heartbeat Classification Approach. Frontiers in Digital Health, 2020, 2, 610956.	2.8	3

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37	DC is the Future [Point of View]. Proceedings of the IEEE, 2020, 108, 615-624.	21.3	41
38	Tunable Terahertz Graphene-Based Absorber Design Method Based on a Circuit Model Approach. IEEE Access, 2020, 8, 70343-70354.	4.2	35
39	Experimental Realization of Parrondo's Paradox in 1D Quantum Walks. Advanced Quantum Technologies, 2020, 3, 1900127.	3.9	12
40	Discovery of a Redox Thiol Switch: Implications for Cellular Energy Metabolism. Molecular and Cellular Proteomics, 2020, 19, 852-870.	3.8	28
41	Quantification of Atherosclerotic Plaque Elasticity Using Ultrasonic Texture Matching. IEEE Access, 2020, 8, 94268-94278.	4.2	1
42	Universal Kriging Prediction of Line-of-Sight Microwave Fading. IEEE Access, 2020, 8, 74743-74758.	4.2	4
43	Exploring Low Loss and Single Mode in Antiresonant Tube Lattice Terahertz Fibers. IEEE Access, 2020, 8, 113309-113317.	4.2	31
44	Nonlinear retinal response modeling for future neuromorphic instrumentation. IEEE Instrumentation and Measurement Magazine, 2020, 23, 21-29.	1.6	12
45	Hybrid Si ₃ N ₄ /VO ₂ Modulator Thermally Triggered by a Graphene Microheater. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-6.	2.9	17
46	Cuffless Single-Site Photoplethysmography for Blood Pressure Monitoring. Journal of Clinical Medicine, 2020, 9, 723.	2.4	89
47	Global channel attention networks for intracranial vessel segmentation. Computers in Biology and Medicine, 2020, 118, 103639.	7.0	34
48	Linear measurements from nonlinear sensors: Identifying distortion with incidental noise. IEEE Instrumentation and Measurement Magazine, 2020, 23, 50-55.	1.6	0
49	Hilbert's forgotten equation, the equivalence principle and velocity dependence of free fall. European Journal of Physics, 2020, 41, 035604.	0.6	0
50	Angiogenic Networks in Tumors—Insights via Mathematical Modeling. IEEE Access, 2020, 8, 43215-43228.	4.2	8
51	Terahertz Hollow Core Antiresonant Fiber with Metamaterial Cladding. Fibers, 2020, 8, 14.	4.0	18
52	Physical unclonable functions. Nature Electronics, 2020, 3, 81-91.	26.0	239
53	Exploring Bona-Fide Optimal Noise for Bayesian Parameter Estimation. IEEE Access, 2020, 8, 18822-18831.	4.2	2
54	Comparative Study of Discrete PI and PR Controls for Single-Phase UPS Inverter. IEEE Access, 2020, 8, 45584-45595.	4.2	72

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55	Binary signal transmission in nonlinear sensors: Stochastic resonance and human hand balance. IEEE Instrumentation and Measurement Magazine, 2020, 23, 44-49.	1.6	8
56	Multimodal Photoplethysmography-Based Approaches for Improved Detection of Hypertension. Journal of Clinical Medicine, 2020, 9, 1203.	2.4	32
57	Experimental Study on Glass and Polymers: Determining the Optimal Material for Potential Use in Terahertz Technology. IEEE Access, 2020, 8, 97204-97214.	4.2	56
58	Mid-infrared hybrid Si/VO ₂ modulator electrically driven by graphene electrodes. Optics Express, 2020, 28, 9198.	3.4	28
59	Terahertz optical fibers [Invited]. Optics Express, 2020, 28, 16089.	3.4	108
60	Assessment of Hypertension Using Clinical Electrocardiogram Features: A First-Ever Review. Frontiers in Medicine, 2020, 7, 583331.	2.6	15
61	Terahertz Ultrahigh-Q Metasurface Enabled by Out-Of-Plane Asymmetry. , 2020, , .		0
62	A Digital Neuromorphic Realization of the 2-D Wilson Neuron Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 136-140.	3.0	18
63	Noise Benefits in Combined Nonlinear Bayesian Estimators. IEEE Transactions on Signal Processing, 2019, 67, 4611-4623.	5.3	18
64	Can C-Reactive Protein (CRP) Time Series Forecasting be Achieved via Deep Learning?. IEEE Access, 2019, 7, 59311-59320.	4.2	9
65	The use of photoplethysmography for assessing hypertension. Npj Digital Medicine, 2019, 2, 60.	10.9	359
66	THE (Temperature Heterogeneity Energy) Aware Routing Protocol for IoT Health Application. IEEE Access, 2019, 7, 108957-108968.	4.2	29
67	Truels and strategies for survival. Scientific Reports, 2019, 9, 8996.	3.3	5
68	Broadband Characterization of Glass and Polymer Materials Using THz-TDS. , 2019, , .		15
69	Novel Hollow Core Antiresonant Terahertz Fiber with Metamaterial Cladding. , 2019, , .		0
70	Multi-Site Photoplethysmography Technology for Blood Pressure Assessment: Challenges and Recommendations. Journal of Clinical Medicine, 2019, 8, 1827.	2.4	65
71	Game Theoretical Modelling of Network/Cybersecurity. IEEE Access, 2019, 7, 154167-154179.	4.2	12
72	Neural evidence for long-term marriage shaping the functional brain network organization between couples. NeuroImage, 2019, 199, 87-92.	4.2	6

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73	A Hi-Bi Ultra-Sensitive Surface Plasmon Resonance Fiber Sensor. IEEE Access, 2019, 7, 79085-79094.	4.2	116
74	On moment of velocity for signal analysis. Royal Society Open Science, 2019, 6, 182001.	2.4	3
75	Adventures in Stochastics. Understanding Complex Systems, 2019, , 310-317.	0.6	0
76	How Effective Is Pulse Arrival Time for Evaluating Blood Pressure? Challenges and Recommendations from a Study Using the MIMIC Database. Journal of Clinical Medicine, 2019, 8, 337.	2.4	56
77	How real are observed trends in small correlated datasets?. Royal Society Open Science, 2019, 6, 181089.	2.4	4
78	Parameter identification using moment of velocity. Royal Society Open Science, 2019, 6, 190671.	2.4	0
79	Electrically Tunable Graphene Metasurface for Multiband Superabsorption and Terahertz Sensing. , 2019, , .		0
80	Five-Capillary Cladding Terahertz Fiber with Low Loss and Single Mode. , 2019, , .		2
81	Distributed Secondary Control and Management of Islanded Microgrids via Dynamic Weights. IEEE Transactions on Smart Grid, 2019, 10, 2196-2207.	9.0	43
82	Exposed-core localized surface plasmon resonance biosensor. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2306.	2.1	64
83	Localized surface plasmon resonance biosensor: an improved technique for SERS response intensification. Optics Letters, 2019, 44, 1134.	3.3	55
84	A modified hexagonal photonic crystal fiber for terahertz applications. Optical Materials, 2018, 79, 336-339.	3.6	34
85	A Novel Approach for Spectroscopic Chemical Identification Using Photonic Crystal Fiber in the Terahertz Regime. IEEE Sensors Journal, 2018, 18, 575-582.	4.7	220
86	Low loss and low dispersion hybrid core photonic crystal fiber for terahertz propagation. Photonic Network Communications, 2018, 35, 364-373.	2.7	38
87	Tutorial: Terahertz beamforming, from concepts to realizations. APL Photonics, 2018, 3, .	5.7	130
88	Noise Enhancement in Robust Estimation of Location. IEEE Transactions on Signal Processing, 2018, 66, 1953-1966.	5.3	24
89	Plasmonic Refractive Index Sensor Employing Niobium Nanofilm on Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2018, 30, 315-318.	2.5	92
90	A novel Zeonex based oligoporous-core photonic crystal fiber for polarization preserving terahertz applications. Optics Communications, 2018, 413, 242-248.	2.1	56

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91	Influence of vascular geometry on local hemodynamic parameters: phantom and small rodent study. BioMedical Engineering OnLine, 2018, 17, 30.	2.7	7
92	Centerline Extraction of Vasculature Mesh. IEEE Access, 2018, 6, 10257-10268.	4.2	12
93	Spiral Photonic Crystal Fiber-Based Dual-Polarized Surface Plasmon Resonance Biosensor. IEEE Sensors Journal, 2018, 18, 133-140.	4.7	216
94	Terahertz Sensing in a Hollow Core Photonic Crystal Fiber. IEEE Sensors Journal, 2018, 18, 4073-4080.	4.7	119
95	Increased beat-to-beat T-wave variability in myocardial infarction patients. Biomedizinische Technik, 2018, 63, 123-130.	0.8	5
96	Tri-orthogonal polarization diversity reception for non-geosynchronous satellite orbit ionospheric channels. International Journal of Satellite Communications and Networking, 2018, 36, 44-65.	1.8	4
97	Identification of Ultrasonic Echolucent Carotid Plaques Using Discrete Fractal Distance Between Bimodal Gamma Distributions. IEEE Transactions on Biomedical Engineering, 2018, 65, 949-955.	4.2	8
98	Highly birefringent elliptical core photonic crystal fiber for terahertz application. Optics Communications, 2018, 407, 92-96.	2.1	76
99	A Digital Neuromorphic Realization of Pair-Based and Triplet-Based Spike-Timing-Dependent Synaptic Plasticity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 804-808.	3.0	18
100	High Performance Microstrip Low Pass Filter for Wireless Communications. Wireless Personal Communications, 2018, 99, 497-507.	2.7	8
101	Low loss and flat dispersion Kagome photonic crystal fiber in the terahertz regime. Optics Communications, 2018, 410, 452-456.	2.1	42
102	A Gold Coated Plasmonic Sensor for Biomedical and Biochemical Analyte Detection. , 2018, , .		11
103	Reaction Time Predicts Brain-Computer Interface Aptitude. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-11.	3.7	8
104	A game theoretical perspective on the quantum probabilities associated with a GHZ state. Quantum Information Processing, 2018, 17, 1.	2.2	3
105	Quasi-Photonic Crystal Fiber-Based Spectroscopic Chemical Sensor in the Terahertz Spectrum: Design and Analysis. IEEE Sensors Journal, 2018, 18, 9948-9954.	4.7	75
106	Can Photoplethysmography Replace Arterial Blood Pressure in the Assessment of Blood Pressure?. Journal of Clinical Medicine, 2018, 7, 316.	2.4	84
107	Subliminal Priming- State of the Art and Future Perspectives. Behavioral Sciences (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 50	2.1	50
108	Deep Learning for C-Reactive Protein Prediction. , 2018, , .		1

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109	High numerical aperture, highly birefringent novel photonic crystal fibre for medical imaging applications. Electronics Letters, 2018, 54, 61-62.	1.0	56
110	Sensing of toxic chemicals using polarized photonic crystal fiber in the terahertz regime. Optics Communications, 2018, 426, 341-347.	2.1	70
111	Zeonex-based asymmetrical terahertz photonic crystal fiber for multichannel communication and polarization maintaining applications. Applied Optics, 2018, 57, 666.	1.8	68
112	Terahertz detection of alcohol using a photonic crystal fiber sensor. Applied Optics, 2018, 57, 2426.	1.8	151
113	On detection of periodicity in C-reactive protein (CRP) levels. Scientific Reports, 2018, 8, 11979.	3.3	19
114	The equivalence of Bell's inequality and the Nash inequality in a quantum game-theoretic setting. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2908-2913.	2.1	5
115	Performance evaluation of commercial GaN RF HEMTs as hybrid topology power switches. , 2018, , .		0
116	X-band GaN high power amplifier with integrated power switch for airborne applications. , 2018, , .		1
117	Dual-polarized highly sensitive plasmonic sensor in the visible to near-IR spectrum. Optics Express, 2018, 26, 30347.	3.4	148
118	Cost-Based Droop Schemes for Economic Dispatch in Islanded Microgrids. IEEE Transactions on Smart Grid, 2017, 8, 63-74.	9.0	114
119	Planar Triorthogonal Diversity Slot Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 1416-1421.	5.1	30
120	Analysis of beat-to-beat blood pressure variability response to the cold pressor test in the offspring of hypertensive and normotensive parents. Hypertension Research, 2017, 40, 581-589.	2.7	10
121	Low Loss and Low Dispersion Fiber for Transmission Applications in the Terahertz Regime. IEEE Photonics Technology Letters, 2017, 29, 830-833.	2.5	28
122	5G Terrestrial Networks: Mobility and Coverage Solution in Three Dimensions. IEEE Access, 2017, 5, 8064-8093.	4.2	15
123	PUF Sensor: Exploiting PUF Unreliability for Secure Wireless Sensing. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2532-2543.	5.4	35
124	A Hybrid CMOS-Memristor Neuromorphic Synapse. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 434-445.	4.0	108
125	Terahertz Reflectarrays and Nonuniform Metasurfaces. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-18.	2.9	41
126	Extremely low material loss and dispersion flattened TOPAS based circular porous fiber for long distance terahertz wave transmission. Optical Fiber Technology, 2017, 34, 6-11.	2.7	83

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127	Exploiting vibrational resonance in weak-signal detection. <i>Physical Review E</i> , 2017, 96, 022141.	2.1	28
128	Investigating the impact of feedback update interval on the efficacy of restorative brain-computer interfaces. <i>Royal Society Open Science</i> , 2017, 4, 170660.	2.4	6
129	Planar slot antenna with circular and vertical polarization diversity. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 2479-2484.	1.4	4
130	Near-zero dispersion flattened, low-loss porous-core waveguide design for terahertz signal transmission. <i>Optical Engineering</i> , 2017, 56, 076114.	1.0	36
131	Design and characterization of a low-loss, dispersion-flattened photonic crystal fiber for terahertz wave propagation. <i>Optik</i> , 2017, 145, 398-406.	2.9	35
132	Adaptive recursive algorithm for optimal weighted suprathreshold stochastic resonance. <i>Royal Society Open Science</i> , 2017, 4, 160889.	2.4	7
133	Terahertz time-domain spectroscopy of edible oils. <i>Royal Society Open Science</i> , 2017, 4, 170275.	2.4	11
134	Networked and Distributed Control Method With Optimal Power Dispatch for Islanded Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 493-504.	7.9	49
135	A novel Zeonex based photonic sensor for alcohol detection in beverages. , 2017, , .		26
136	Kidnapping model: an extension of Selten's game. <i>Royal Society Open Science</i> , 2017, 4, 171484.	2.4	3
137	Efficient terahertz metasurface-based flat lens. , 2017, , .		1
138	Demonstration of a highly efficient terahertz flat lens employing tri-layer metasurfaces. <i>Optics Letters</i> , 2017, 42, 1867.	3.3	54
139	Ultra low-loss hybrid core porous fiber for broadband applications. <i>Applied Optics</i> , 2017, 56, 1232.	2.1	65
140	A fully integrable RF energy harvester with dynamic efficiency tuning. , 2017, , .		0
141	Proprioceptive Feedback Facilitates Motor Imagery-Related Operant Learning of Sensorimotor $\hat{\nu}^2$ -Band Modulation. <i>Frontiers in Neuroscience</i> , 2017, 11, 60.	2.8	33
142	Alterations in Spontaneous Brain Activity and Functional Network Reorganization following Surgery in Children with Medically Refractory Epilepsy: A Resting-State Functional Magnetic Resonance Imaging Study. <i>Frontiers in Neurology</i> , 2017, 8, 374.	2.4	20
143	Evaluation of carotid plaque echogenicity based on the integral of the cumulative probability distribution using gray-scale ultrasound images. <i>PLoS ONE</i> , 2017, 12, e0185261.	2.5	10
144	A battery-less and wireless wearable sensor system for identifying bed and chair exits in a pilot trial in hospitalized older people. <i>PLoS ONE</i> , 2017, 12, e0185670.	2.5	30

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145	PUF-FSM: A Controlled Strong PUF. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2017, , 1-1.	2.7	27
146	Efficient terahertz reflectarray based on dielectric resonator antennas. , 2016, , .		0
147	A Proof-of-Concept Study: Simple and Effective Detection of P and T Waves in Arrhythmic ECG Signals. Bioengineering, 2016, 3, 26.	3.5	42
148	Time As a Geometric Property of Space. Frontiers in Physics, 2016, 4, .	2.1	3
149	Wideband substrate-integrated monopole antenna. Microwave and Optical Technology Letters, 2016, 58, 1855-1857.	1.4	1
150	Terahertz narrowband absorber based on miniaturized elements. , 2016, , .		2
151	Implications of polarization impurity on diversity for 5G networks. , 2016, , .		0
152	Fabrication of micro-scale single-crystal silicon structures for efficient terahertz magnetic mirror. , 2016, , .		0
153	On the equivalence between non-factorizable mixed-strategy classical games and quantum games. Royal Society Open Science, 2016, 3, 150477.	2.4	19
154	Reflective terahertz optics using 3D-printed metals. , 2016, , .		0
155	Optimal weighted suprathreshold stochastic resonance with multigroup saturating sensors. Physica A: Statistical Mechanics and Its Applications, 2016, 457, 348-355.	2.6	10
156	The Vector Algebra War: A Historical Perspective. IEEE Access, 2016, 4, 1997-2004.	4.2	16
157	Quasi-plane shear wave propagation induced by acoustic radiation force with a focal line region: a simulation study. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 187-197.	1.3	2
158	Obfuscated challenge-response: A secure lightweight authentication mechanism for PUF-based pervasive devices. , 2016, , .		49
159	Dielectric Resonator Reflectarray as High-Efficiency Nonuniform Terahertz Metasurface. ACS Photonics, 2016, 3, 1019-1026.	6.6	82
160	Compact Second-Order Bandstop Filter Based on Dual-Mode Complementary Split-Ring Resonator. IEEE Microwave and Wireless Components Letters, 2016, 26, 571-573.	3.2	31
161	Analysis of 3D-printed metal for rapid-prototyped reflective terahertz optics. Optics Express, 2016, 24, 17384.	3.4	24
162	Towards an information-theoretic model of the Allison mixture stochastic process. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 054041.	2.3	3

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163	Capacity of very noisy communication channels based on Fisher information. Scientific Reports, 2016, 6, 27946.	3.3	7
164	An output-only nonlinear system identification technique suited to integer arithmetic. , 2016, , .		1
165	Tunable bandpass frequency selective surface with embedded biasing. , 2016, , .		1
166	Microwave microfluidic sensor based on microstrip-line-coupled complementary resonator. , 2016, , .		9
167	Terahertz Signal Classification Based on Geometric Algebra. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 793-802.	3.1	10
168	Tri-orthogonal polarization diversity for 5G networks. Transactions on Emerging Telecommunications Technologies, 2016, 27, 992-999.	3.9	4
169	A review of beat-to-beat vectorcardiographic (VCG) parameters for analyzing repolarization variability in ECG signals. Biomedizinische Technik, 2016, 61, 3-17.	0.8	14
170	Too good to be true: when overwhelming evidence fails to convince. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150748.	2.1	15
171	Multiagent-Based Reactive Power Sharing and Control Model for Islanded Microgrids. IEEE Transactions on Sustainable Energy, 2016, 7, 1232-1244.	8.8	44
172	Emerging Physical Unclonable Functions With Nanotechnology. IEEE Access, 2016, 4, 61-80.	4.2	141
173	Pattern identification of biomedical images with time series: Contrasting THz pulse imaging with DCE-MRIs. Artificial Intelligence in Medicine, 2016, 67, 1-23.	6.5	19
174	Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias Network. IEEE Transactions on Antennas and Propagation, 2016, 64, 1672-1680.	5.1	133
175	Read operation performance of large selectorless cross-point array with self-rectifying memristive device. The Integration VLSI Journal, 2016, 54, 56-64.	2.1	19
176	Tracking Aggregation and Fibrillation of Globular Proteins Using Terahertz and Far-Infrared Spectroscopies. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 45-53.	3.1	19
177	Encoding efficiency of suprathreshold stochastic resonance on stimulus-specific information. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 33-39.	2.1	22
178	Digital Multiplierless Realization of Two-Coupled Biological Hindmarsh-Rose Neuron Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 463-467.	3.0	44
179	A Digital Realization of Astrocyte and Neural Glial Interactions. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 518-529.	4.0	40
180	A Six-Step Framework on Biomedical Signal Analysis for Tackling Noncommunicable Diseases: Current and Future Perspectives. JMIR Biomedical Engineering, 2016, 1, e1.	1.2	17

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181	Analysis of millimetre-wave polarization diverse multiple-input multiple-output capacity. Royal Society Open Science, 2015, 2, 150322.	2.4	9
182	Memristive crypto primitive for building highly secure physical unclonable functions. Scientific Reports, 2015, 5, 12785.	3.3	77
183	Terahertz Magnetic Mirror Realized with Dielectric Resonator Antennas. Advanced Materials, 2015, 27, 7137-7144.	21.0	63
184	Relation between QT interval variability and muscle sympathetic nerve activity in normal subjects. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1218-H1224.	3.2	20
185	On Time Domain Analysis of Photoplethysmogram Signals for Monitoring Heat Stress. Sensors, 2015, 15, 24716-24734.	3.8	19
186	Towards Investigating Global Warming Impact on Human Health Using Derivatives of Photoplethysmogram Signals. International Journal of Environmental Research and Public Health, 2015, 12, 12776-12791.	2.6	7
187	Fast T Wave Detection Calibrated by Clinical Knowledge with Annotation of P and T Waves. Sensors, 2015, 15, 17693-17714.	3.8	41
188	Generalized reconfigurable memristive dynamical system (MDS) for neuromorphic applications. Frontiers in Neuroscience, 2015, 9, 409.	2.8	3
189	Functions of Multivector Variables. PLoS ONE, 2015, 10, e0116943.	2.5	11
190	Agent-Based Decentralized Control Method for Islanded Microgrids. IEEE Transactions on Smart Grid, 2015, , 1-1.	9.0	87
191	Ultrabroadband Plasmonic Absorber for Terahertz Waves. Advanced Optical Materials, 2015, 3, 376-380.	7.3	98
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