

Gaofeng Wang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Swarm Intelligence Algorithm-Based Optimal Design of Microwave Microfluidic Sensors. IEEE Transactions on Industrial Electronics, 2022, 69, 2077-2087.	5.2	20
2	Enhanced energy storage performance of polymer nanocomposites using hybrid 2D ZnO@MoS ₂ semiconductive nano-fillers. Chemical Engineering Journal, 2022, 430, 132676.	6.6	40
3	Two-dimensional SrTiO ₃ platelets induced the improvement of energy storage performance in polymer composite films at low electric fields. Ceramics International, 2022, 48, 7145-7152.	2.3	18
4	Quasi-BIC laser enabled by high-contrast grating resonator for gas detection. Nanophotonics, 2022, 11, 297-304.	2.9	33
5	UV-enhanced NO ₂ gas sensors based on In ₂ O ₃ /ZnO composite material modified by polypeptides. Nanotechnology, 2022, 33, 155501.	1.3	8
6	Flexible Neural Probes with Optical Artifact-Suppressing Modification and Biofriendly Polypeptide Coating. Micromachines, 2022, 13, 199.	1.4	3
7	Design of H-shaped planar displacement microwave sensors with wide dynamic range. Sensors and Actuators A: Physical, 2022, 333, 113311.	2.0	5
8	High-temperature dielectric polymer composite films of all-organic PVDF/ABS with excellent energy storage performance and stability. Journal of Materials Chemistry C, 2022, 10, 3480-3488.	2.7	20
9	O ₃ -chip miniaturized bandpass filter using gallium arsenide-based integrated passive device technology. Microwave and Optical Technology Letters, 2022, 64, 688-693.	0.9	5
10	A Novel Design of a Compact Frequency-Selective Surface With High Selectivity and Angular Stability. IEEE Microwave and Wireless Components Letters, 2022, 32, 931-934.	2.0	11
11	Platform-Tolerant Nested-Slot RFID Tag Antenna Based on Jigsaw-Shaped Metasurface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 943-947.	2.4	3
12	A Review of Biosensors for Detecting Tumor Markers in Breast Cancer. Life, 2022, 12, 342.	1.1	25
13	A highly parallel DTT/MB-DNA/Au electrochemical biosensor for trace Hg monitoring by using configuration occupation approach and SECM. Ecotoxicology and Environmental Safety, 2022, 234, 113391.	2.9	3
14	A flexible micro direct methanol fuel cells array based on FPCB. Energy Conversion and Management, 2022, 258, 115469.	4.4	6
15	Harvesting Water-Evaporation-Induced Electricity Based on Liquid-Solid Triboelectric Nanogenerator. Advanced Science, 2022, 9, e2201586.	5.6	49
16	An electrochemical biosensor based on few-layer MoS ₂ nanosheets for highly sensitive detection of tumor marker ctDNA. Analytical Methods, 2022, 14, 1956-1962.	1.3	5
17	Isolation enhancement for four-element MIMO antenna by using novel meandering technique. Microwave and Optical Technology Letters, 2022, 64, 1434-1441.	0.9	3
18	A highly sensitive silicon nanowire array sensor for joint detection of tumor markers CEA and AFP. Biomaterials Science, 2022, 10, 3823-3830.	2.6	7

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19	Interplanted Patch-Monopole Array With Enhanced Isolation. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1664-1668.	2.4	4
20	A Split-Ring Resonator-Based Planar Microwave Sensor for Microfluidic Applications. , 2022, , .		7
21	An active microfluidic sensor based on slow-wave substrate integrated waveguide for measuring complex permittivity of liquids. Sensors and Actuators A: Physical, 2022, 344, 113699.	2.0	2
22	Wideband decoupling technique for two-element antenna array by using pixel neutralization line. Microwave and Optical Technology Letters, 2022, 64, 1785-1792.	0.9	2
23	Multiplicatively Regularized Iterative Updated Background Inversion Method for Inverse Scattering Problems. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 999-1003.	1.4	2
24	An Improved Subspace-Regularized DBIM-MLGFIM Method for Three-Dimensional Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2021, 69, 2798-2809.	3.1	9
25	Backward-to-Forward Wide-Angle Fast Beam-Scanning Leaky-Wave Antenna With Consistent Gain. IEEE Transactions on Antennas and Propagation, 2021, 69, 2987-2992.	3.1	33
26	Theoretical investigation and experimental verification of the self-powered acceleration sensor based on triboelectric nanogenerators (TENGs). Extreme Mechanics Letters, 2021, 42, 101021.	2.0	28
27	Electrical modeling of carbon nanotube-based shielded through-silicon vias for three-dimensional integrated circuits. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2842.	1.2	3
28	A high efficiency dual-band outphasing power amplifier design. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22515.	0.8	7
29	Electrospun carbon nanofibers with in-situ encapsulated Ni nanoparticles as catalyst for enhanced hydrogen storage of MgH ₂ . Journal of Alloys and Compounds, 2021, 851, 156874.	2.8	56
30	Composites of SnSb Nanoparticles Embedded in Porous Carbon Nanofibers Wrapped with Reduced Graphene Oxide for Sodium Storage. ACS Applied Nano Materials, 2021, 4, 826-833.	2.4	4
31	High-Q Plasmonic Crystal Laser for Ultra-Sensitive Biomolecule Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-7.	1.9	4
32	Spatial Selected Spin Filtering Effect in Z-Shaped MoS ₂ Nanoribbon. IEEE Access, 2021, 9, 106784-106789.	2.6	2
33	An RFID-Based Wireless Multistate Controller With Quasi-Isotropic Radiation Pattern for Remote Control Applications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2023-2027.	2.4	7
34	A Temperature-Compensated Differential Microstrip Sensor for Microfluidic Applications. IEEE Sensors Journal, 2021, 21, 24075-24083.	2.4	19
35	A Hybrid Streamline Upwind Finite Volume-Finite Element Method for Semiconductor Continuity Equations. IEEE Transactions on Electron Devices, 2021, 68, 5421-5429.	1.6	4
36	Micro Direct Methanol Fuel Cell Based on Reduced Graphene Oxide Composite Electrode. Micromachines, 2021, 12, 72.	1.4	3

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37	Methodological investigation into the noise influence on nanolasersâ€™ large signal modulation. Optics Express, 2021, 29, 5081.	1.7	7
38	Controlled Electrodeposition of Graphene Oxide Doped Conductive Polymer on Microelectrodes for Low-Noise Optogenetics. IEEE Electron Device Letters, 2021, 42, 418-421.	2.2	5
39	Porous sulfurized poly(acrylonitrile) nanofiber as a long-life and high-capacity cathode for lithiumâ€“sulfur batteries. Journal of Alloys and Compounds, 2021, 860, 158445.	2.8	17
40	<scp>Highâ€precision dielectric sensor system based on balanced CSRRâ€SIW resonators</scp>. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22696.	0.8	1
41	Linear and ferroelectric effects of BaTiO ₃ particle size on the energy storage performance of composite films with different polymer matrices. Ceramics International, 2021, 47, 22155-22163.	2.3	21
42	Microfabrication and characterization of dual-frequency piezoelectric micromachined ultrasonic transducers. , 2021, , .		7
43	A supersensitive silicon nanowire array biosensor for quantitating tumor marker ctDNA. Biosensors and Bioelectronics, 2021, 181, 113147.	5.3	36
44	An omnidirectional WPT platform for distributed fully implanted neural recording systems. International Journal of Applied Electromagnetics and Mechanics, 2021, 66, 339-357.	0.3	0
45	A Miniaturized High-Gain Flexible Antenna for UAV Applications. International Journal of Antennas and Propagation, 2021, 2021, 1-7.	0.7	6
46	Modeling Radio-Frequency Devices Based on Deep Learning Technique. Electronics (Switzerland), 2021, 10, 1710.	1.8	7
47	High-Q Active Microwave Sensor Based on Microstrip Complementary Split-Ring Resonator (MCSRR) Structure for Dielectric Characterization. Applied Computational Electromagnetics Society Journal, 2021, 36, 922-927.	0.4	5
48	Temperature Compensated Wide-Range Micro Pressure Sensor with Polyimide Anticorrosive Coating for Harsh Environment Applications. Applied Sciences (Switzerland), 2021, 11, 9012.	1.3	4
49	Analytical layout optimization of printed planar coil with variable trace width for inductive wireless power transfer. International Journal of Applied Electromagnetics and Mechanics, 2021, 67, 113-129.	0.3	0
50	A Proposal of Vertical MOSFET and Electrothermal Analysis for Monolithic 3-D ICs. Electronics (Switzerland), 2021, 10, 2241.	1.8	2
51	Second-Order Correlation Function Supported Optical Sensing for Particle Detection. IEEE Sensors Journal, 2021, 21, 19948-19958.	2.4	6
52	Enhanced energy storage performance of PVDF composite films with a small content of BaTiO ₃ . Journal of Materials Science: Materials in Electronics, 2021, 32, 24248-24257.	1.1	10
53	Ultrahigh-Sensitivity Microwave Microfluidic Sensors Based on Modified Complementary Electric-LC and Split-Ring Resonator Structures. IEEE Sensors Journal, 2021, 21, 18756-18763.	2.4	43
54	Sensitivity optimization of differential microwave sensors for microfluidic applications. Sensors and Actuators A: Physical, 2021, 330, 112866.	2.0	13

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55	Low sintering temperature, large strain and reduced strain hysteresis of BiFeO ₃ ∕BaTiO ₃ ceramics for piezoelectric multilayer actuator applications. <i>Ceramics International</i> , 2021, 47, 31349-31356.	2.3	28
56	MoS ₂ -doped spherical SnO ₂ for SO ₂ sensing under UV light at room temperature. <i>Materials Science in Semiconductor Processing</i> , 2021, 134, 105997.	1.9	16
57	Utilization of nitrogen self-doped biocarbon derived from soybean nodule in electrochemically sensing ascorbic acid and dopamine. <i>Journal of Porous Materials</i> , 2021, 28, 529-541.	1.3	7
58	Flexible Neural Probes with Electrochemical Modified Microelectrodes for Artifact-Free Optogenetic Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11528.	1.8	5
59	On the applicability of two-bit carbon nanotube through-silicon via for power distribution networks in 3D integrated circuits. <i>IET Circuits, Devices and Systems</i> , 2021, 15, 20-26.	0.9	2
60	Phenylalanine Dipeptide-Regulated Ag/In ₂ O ₃ Nanocomposites for Enhanced NO ₂ Gas Sensing at Room Temperature with UV Illumination. <i>ACS Applied Nano Materials</i> , 2021, 4, 13018-13026.	2.4	17
61	A Bandwidth Enhanced Outphasing Power Amplifier. , 2021, , .		4
62	Improving the Energy Density and Efficiency of the Linear Polymer PMMA with a Double-Bond Fluoropolymer at Elevated Temperatures. <i>ACS Omega</i> , 2021, 6, 35014-35022.	1.6	6
63	Nanolasers with Feedback as Low-Coherence Illumination Sources for Speckle-Free Imaging: A Numerical Analysis of the Superthermal Emission Regime. <i>Nanomaterials</i> , 2021, 11, 3325.	1.9	7
64	Plasmon-enhanced exciton emissions and Raman scattering of CVD-grown monolayer WS ₂ on Ag nanoprism arrays. <i>Applied Surface Science</i> , 2020, 504, 144252.	3.1	15
65	A compact outphasing power amplifier with integrated reactive compensation. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 137-141.	0.9	10
66	A self-powered and high sensitivity acceleration sensor with V-Q-a model based on triboelectric nanogenerators (TENGs). <i>Nano Energy</i> , 2020, 67, 104228.	8.2	83
67	An Ultrawideband Low-Profile High-Efficiency Indoor Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 346-349.	2.4	13
68	A high-Q active substrate integrated waveguide based sensor for fully characterizing magneto-dielectric (MD) materials. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111778.	2.0	22
69	A CSRR-Loaded Planar Sensor for Simultaneously Measuring Permittivity and Permeability. <i>IEEE Microwave and Wireless Components Letters</i> , 2020, 30, 219-221.	2.0	26
70	Significantly enhanced energy storage performance of flexible composites using sodium bismuth titanate based lead-free fillers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14910-14918.	2.7	26
71	A Portable Microwave Interferometry Sensor for Permittivity Detection Based on CCMRC. <i>IEEE Access</i> , 2020, 8, 140323-140332.	2.6	4
72	A high-temperature dielectric polymer poly(acrylonitrile butadiene styrene) with enhanced energy density and efficiency due to a cyano group. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15122-15129.	5.2	43

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73	Polypeptide-assisted hydrothermal synthesis of ZnO for room temperature NO ₂ gas sensor under UV illumination. <i>Chemical Physics Letters</i> , 2020, 754, 137745.	1.2	19
74	Ultra-compact organic vertical-cavity laser with high-contrast grating feedback for gas detection. <i>IEEE Sensors Journal</i> , 2020, , 1-1.	2.4	2
75	Learning-Based Quantitative Microwave Imaging With a Hybrid Input Scheme. <i>IEEE Sensors Journal</i> , 2020, 20, 15007-15013.	2.4	20
76	Rapid evaluation method for anisotropic growth of WS ₂ monolayers by combining machine learning algorithms and kinetic Monte Carlo simulation data. <i>Computational Materials Science</i> , 2020, 184, 109922.	1.4	1
77	A novel direct matching network synthesis technique and its application to broadband power amplifier. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22390.	0.8	7
78	An Ultrahigh Sensitivity Microwave Sensor for Microfluidic Applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2020, 30, 1201-1204.	2.0	38
79	Molecular collapse in graphene: Sublattice symmetry effect. <i>Physical Review B</i> , 2020, 102, .	1.1	2
80	A water droplet motion energy harvester with wafer-level fabrication method. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 065006.	1.5	3
81	Optimal repeater insertion for nano-interconnects in current-mode signalling scheme. <i>Micro and Nano Letters</i> , 2020, 15, 308-312.	0.6	4
82	A Dual-Band Outphasing Power Amplifier Based on Noncommensurate Transmission Line Concept. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 3079-3089.	2.9	19
83	Quasi-Omnidirectional Wireless Power Transfer for a Sensor System. <i>IEEE Sensors Journal</i> , 2020, 20, 6148-6159.	2.4	20
84	Microwave Planar Sensors for Fully Characterizing Magneto-Dielectric Materials. <i>IEEE Access</i> , 2020, 8, 41985-41999.	2.6	19
85	Modeling of Carbon Nanotube-Based Differential Through-Silicon Vias in 3-D ICs. <i>IEEE Nanotechnology Magazine</i> , 2020, 19, 492-499.	1.1	21
86	Differential Microwave Microfluidic Sensor Based on Microstrip Complementary Split-Ring Resonator (MCSRR) Structure. <i>IEEE Sensors Journal</i> , 2020, 20, 5876-5884.	2.4	74
87	Optimal repeater insertion for horizontal and vertical graphene nanoribbon interconnects. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020, 33, e2696.	1.2	6
88	Photon statistics and dynamics of nanolasers subject to intensity feedback. <i>Physical Review A</i> , 2020, 101, .	1.0	8
89	Modeling and Characterization of Differential Multibit Carbon-Nanotube Through-Silicon Vias. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 534-537.	1.4	10
90	A Characterization of the Performance of Gas Sensor Based on Heater in Different Gas Flow Rate Environments. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6281-6290.	7.2	12

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91	Enhanced dielectric and energy-storage performance of nanocomposites using interface-modified anti-ferroelectric fillers. Journal of Alloys and Compounds, 2020, 831, 154770.	2.8	23
92	Layout Optimization of Printed Planar Coil with Variable Trace Width and Spacing. , 2020, , .		4
93	Circuit Modeling of Shielded Differential Carbon Nanotube Bundle Filled Through-Silicon Vias. , 2020, , .		1
94	An Improved Differential CSRR-Based Sensor for Characterizing the Magneto-Dielectric Materials. , 2020, , .		2
95	An improved Frequency Sweeping Method for Wide-Band Electromagnetic Analysis. , 2020, , .		1
96	Electromagnetic Modeling of shielded differential annular Through-Silicon Via Using Artificial Intelligence Technique. , 2020, , .		0
97	Capacitive MEMS microphone with low-stress ultra-thin vibrating membrane. , 2020, , .		1
98	A New Base Station Deployment Method for WRSN Based on Greedy Algorithm. , 2020, , .		2
99	Biaxially strained germanium micro-dot array by hydrogen ion implantation. Surface and Coatings Technology, 2019, 365, 248-252.	2.2	1
100	Dual-frequency piezoelectric micromachined ultrasonic transducers. Applied Physics Letters, 2019, 115, .	1.5	17
101	Orthogonal Projection With Optimized Reserved Subcarriers Mapping for Sidelobe Suppression in OFDM Systems. IEEE Access, 2019, 7, 29662-29671.	2.6	2
102	An algorithm to optimize deployment of charging base stations for WRSN. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	6
103	Preparation and energy storage performance of transparent dielectric films with two-dimensional platelets. Composites Science and Technology, 2019, 182, 107759.	3.8	39
104	Novel electromagnetic bandgap structure for wideband suppression of simultaneous switching noise. Electronics Letters, 2019, 55, 1243-1245.	0.5	3
105	The Gas Leak Detection Based on a Wireless Monitoring System. IEEE Transactions on Industrial Informatics, 2019, 15, 6240-6251.	7.2	35
106	A Dual-band Outphasing Power Amplifier. , 2019, , .		6
107	Numerical investigation on L-shaped vertical field plate in high-voltage LDMOS. Results in Physics, 2019, 15, 102547.	2.0	4
108	Low Remanent Polarization for High Energy Density by Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (fluoride-co-chlorotrri Materials, 2019, 48, 8172-8180.	1.0	4

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109	Harvesting ultralow frequency ($1\ \mu\text{Hz}$) mechanical energy using triboelectric nanogenerator. Nano Energy, 2019, 65, 104011.	8.2	31
110	Analytical Modeling of Small, Solenoidal, and Implantable Coils With Ferrite Tube Core. IEEE Microwave and Wireless Components Letters, 2019, 29, 237-239.	2.0	12
111	Repeater Insertion to Reduce Delay and Power in Copper and Carbon Nanotube-Based Nanointerconnects. IEEE Access, 2019, 7, 13622-13633.	2.6	16
112	Mechanism of substrate-induced anisotropic growth of monolayer WS ₂ by kinetic Monte Carlo simulations. Npj 2D Materials and Applications, 2019, 3, .	3.9	14
113	Mini-Review: Modeling and Performance Analysis of Nanocarbon Interconnects. Applied Sciences (Switzerland), 2019, 9, 2174.	1.3	27
114	Dynamics of a Micro-VCSEL Operated in the Threshold Region Under Low-Level Optical Feedback. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	1.9	9
115	Screen-printed flexible temperature sensor based on FG/CNT/PDMS composite with constant TCR. Journal of Materials Science: Materials in Electronics, 2019, 30, 9593-9601.	1.1	53
116	Modelling and delay analysis of on-chip differential carbon nanotube interconnects. Micro and Nano Letters, 2019, 14, 505-510.	0.6	5
117	Dual-band and enhanced isolation MIMO antenna with L-shaped meta-rim extended ground stubs for 5G mobile handsets. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21776.	0.8	6
118	Sensitivity analysis of L-type impedance matching circuits for inductively coupled wireless power transfer. International Journal of Applied Electromagnetics and Mechanics, 2019, 61, 1-11.	0.3	2
119	Potential Applicability of Single-Walled Carbon Nanotube Through-Silicon Vias for Differential Signal Transmission. , 2019, , .		0
120	An Ultracompact Butterworth Low-Pass Filter Based on Vertical Spiral TSV Inductor. , 2019, , .		2
121	Modelling of crosstalk in differential through silicon vias for three-dimensional integrated circuits. IET Microwaves, Antennas and Propagation, 2019, 13, 1529-1535.	0.7	0
122	Parameter Extraction for Equivalent Circuit Model of RF Devices Based on a Hybrid Optimization Method. Electronics (Switzerland), 2019, 8, 1133.	1.8	3
123	Using Metallic Coil to Optimize the Heating Efficiency for Tumor Hyperthermia. , 2019, , .		2
124	A New Scheme of Applying Multilevel Green's Functions Interpolation Method for the Analysis of Metasurface Antennas. , 2019, , .		0
125	Design of dual-frequency piezoelectric micromachined ultrasonic transducers. , 2019, , .		1
126	A Passive Equalizer Design for On-Interposer Differential Interconnects in 2.5D/3D ICs. , 2019, , .		0

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127	Improving Power Delivery of CPT for Biomedical Implants by Using Conjugate Impedance Matching. , 2019, , .		1
128	A Repeater Optimization Methodology for Global Multi-Walled Carbon Nanotube Interconnects. , 2019, , .		3
129	Transverse photon spin of bulk electromagnetic waves in bianisotropic media. Nature Photonics, 2019, 13, 878-882.	15.6	37
130	A Direct Matching Network Synthesization Technique Designed for Class-J Power Amplifier. , 2019, , .		2
131	Fast Microwave Through Wall Imaging Method With Inhomogeneous Background Based on Levenberg-Marquardt Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1138-1147.	2.9	28
132	SnSb alloy nanoparticles embedded in N-doped porous carbon nanofibers as a high-capacity anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 777, 775-783.	2.8	35
133	Effect of BaTiO ₃ particles with different shape on electrical properties of (Bi _{0.5} Na _{0.5})TiO ₃ piezoceramics. Ceramics International, 2019, 45, 1960-1968.	2.3	4
134	NO ₂ gas sensor based on graphene decorated with Ge quantum dots. Nanotechnology, 2019, 30, 074004.	1.3	6
135	High polarization and low remnant polarization for high energy storage performance in PLZST/P(VDF-CTFE) composites. Ceramics International, 2019, 45, 264-270.	2.3	16
136	Analysis of Transmission Characteristics of Copper/Carbon Nanotube Composite Through Silicon Via Interconnects. Chinese Journal of Electronics, 2019, 28, 920-924.	0.7	8
137	Exploration of VCSEL ultra-low biasing scheme for pulse generation. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 799.	0.9	10
138	An optimal operating frequency selection scheme for maximizing inductive power link efficiency. Microwave and Optical Technology Letters, 2018, 60, 625-629.	0.9	7
139	Avoiding blister defects in low-stress hydrogenated amorphous silicon films for MEMS sensors. Sensors and Actuators A: Physical, 2018, 276, 11-16.	2.0	8
140	Giant Asymmetric Radiation from an Ultrathin Bianisotropic Metamaterial. Advanced Science, 2018, 5, 1700922.	5.6	6
141	A bipolar passive DMFC stack for portable applications. Energy, 2018, 144, 587-593.	4.5	38
142	Reduced graphene oxide wrapped ZnMn ₂ O ₄ /carbon nanofibers for long-life lithium-ion batteries. Electrochimica Acta, 2018, 270, 417-425.	2.6	50
143	A Frequency Synthesizer Based Microwave Permittivity Sensor Using CMRC Structure. IEEE Access, 2018, 6, 8556-8563.	2.6	26
144	The WSN Monitoring System for Large Outdoor Advertising Boards Based on ZigBee and MEMS Sensor. IEEE Sensors Journal, 2018, 18, 1314-1323.	2.4	21

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145	Comparative studies on DNA-binding and in vitro antitumor activity of enantiomeric ruthenium(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 54-60.	1.5	37
146	A Hybrid Regularization Technique for Solving Highly Nonlinear Inverse Scattering Problems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018, 66, 11-21.	2.9	48
147	A Wideband And High-Isolation Mimo Antenna With Hybrid Magnetic-Electric Coupling Loop. , 2018, , .		0
148	A Novel Microwave Imaging Algorithm for Solving the Inverse Scattering Problems with Inhomogeneous Background. , 2018, , .		0
149	Design of a Broadband Microstrip Reflectarray Antenna Using Phoenix Element. , 2018, , .		6
150	A Microwave Sensor Based on Split Ring Resonators for Differential Measuring Permittivity. , 2018, , .		0
151	A Compact Passive Equalizer Design for Differential Channels in TSV-Based 3-D ICs. <i>IEEE Access</i> , 2018, 6, 75278-75292.	2.6	7
152	A Dual-Frequency Circularly Polarized Rectenna for 2.45 and 5.8 GHz Wireless Power Transmission. , 2018, , .		1
153	Experimental study of wireless power transfer with metamaterials and resonators. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2018, 58, 27-39.	0.3	2
154	Wideband Radiation From an Offset-Fed Split Ring Resonator With Multi-Order Resonances. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 2198-2202.	2.4	4
155	Heterostructure Manipulation toward Ameliorating Electrodes for Better Lithium Storage Capability. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17267-17276.	3.2	7
156	Analysis of Cu-Graphene Interconnects. <i>IEEE Access</i> , 2018, 6, 53499-53508.	2.6	36
157	The effect of copper pretreatment on graphene synthesis by ion implantation into Ni/Cu substrate. <i>Semiconductor Science and Technology</i> , 2018, 33, 074001.	1.0	0
158	Design of a Novel Miniaturized Frequency Selective Surface Based on 2.5-Dimensional Jerusalem Cross for 5G Applications. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-6.	0.8	11
159	Weak localization behavior observed in graphene grown on germanium substrate. <i>AIP Advances</i> , 2018, 8, .	0.6	4
160	Modeling and Performance Analysis of Shielded Differential Annular Through-Silicon Via (SD-ATSV) for 3-D ICs. <i>IEEE Access</i> , 2018, 6, 33238-33250.	2.6	12
161	A Reactance Compensated Three-Device Doherty Power Amplifier for Bandwidth and Back-Off Range Extension. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-10.	0.8	11
162	A Passive Equalizer Design for Shielded Differential Through-Silicon Vias in 3-D IC. <i>IEEE Microwave and Wireless Components Letters</i> , 2018, 28, 768-770.	2.0	11

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163	A Dielectric Constant Measurement System for Liquid Based on SIW Resonator. IEEE Access, 2018, 6, 41163-41172.	2.6	15
164	Repeater Insertion for Multi-Walled Carbon Nanotube Interconnects. Applied Sciences (Switzerland), 2018, 8, 236.	1.3	9
165	Vibration-Induced Errors in MEMS Tuning Fork Gyroscopes with Imbalance. Sensors, 2018, 18, 1755.	2.1	3
166	Recent progress of nano-electromagnetic compatibility (nano-EMC) in the emerging carbon nanoelectronics. IEEE Electromagnetic Compatibility Magazine, 2018, 7, 71-81.	0.1	3
167	Metamaterials: Giant Asymmetric Radiation from an Ultrathin Bianisotropic Metamaterial (Adv. Sci.) Tj ETQq1 1 0.784314 rgBT /Overlaid	5.6	3
168	Vertical Graphene Nanoribbon Interconnects at the End of the Roadmap. IEEE Transactions on Electron Devices, 2018, 65, 2632-2637.	1.6	29
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