Gaofeng Wang

List of Publications by Year
in descending order

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377 papers	4,551 citations	101384 36 h-index	197535 49 g-index
379 all docs	379 docs citations	379 times ranked	3927 citing authors

#	Article	IF	Citations
1	A New Training Approach for Parametric Modeling of Microwave Passive Components Using Combined Neural Networks and Transfer Functions. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2727-2742.	2.9	187
2	Dynamic Behavioral Modeling of Nonlinear Microwave Devices Using Real-Time Recurrent Neural Network. IEEE Transactions on Electron Devices, 2009, 56, 1020-1026.	1.6	83
3	A self-powered and high sensitivity acceleration sensor with V-Q-a model based on triboelectric nanogenerators (TENGs). Nano Energy, 2020, 67, 104228.	8.2	83
4	Modeling of Crosstalk Effects in Multiwall Carbon Nanotube Interconnects. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 133-139.	1.4	76
5	Differential Microwave Microfluidic Sensor Based on Microstrip Complementary Split-Ring Resonator (MCSRR) Structure. IEEE Sensors Journal, 2020, 20, 5876-5884.	2.4	74
6	Design and fabrication of PIN-PMN-PT single-crystal high-frequency ultrasound transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 2760-2763.	1.7	63
7	Slot Antenna for Metal-Rimmed Mobile Handsets. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1334-1337.	2.4	59
8	Solution of inverse problems in image processing by wavelet expansion. IEEE Transactions on Image Processing, 1995, 4, 579-593.	6.0	56
9	A hybrid wavelet expansion and boundary element analysis of electromagnetic scattering from conducting objects. IEEE Transactions on Antennas and Propagation, 1995, 43, 170-178.	3.1	56
10	A Novel Barrier Controlled Tunnel FET. IEEE Electron Device Letters, 2014, 35, 798-800.	2.2	56
11	Electrospun carbon nanofibers with in-situ encapsulated Ni nanoparticles as catalyst for enhanced hydrogen storage of MgH2. Journal of Alloys and Compounds, 2021, 851, 156874.	2.8	56
12	Effects of coil shapes on wireless power transfer via magnetic resonance coupling. Journal of Electromagnetic Waves and Applications, 2014, 28, 1316-1324.	1.0	54
13	A Compact Multiband Open-Ended Slot Antenna for Mobile Handsets. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 911-914.	2.4	53
14	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
15	Full wave analysis of microstrip floating line structures by wavelet expansion method. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 131-142.	2.9	52
16	A Bandwidth Enhanced Doherty Power Amplifier With a Compact Output Combiner. IEEE Microwave and Wireless Components Letters, 2016, 26, 434-436.	2.0	52
17	High Frequency PMN-PT 1-3 Composite Transducer for Ultrasonic Imaging Application. Ferroelectrics, 2010, 408, 120-128.	0.3	51
18	Analytical Modeling and Optimization of Small Solenoid Coils for Millimeter-Sized Biomedical Implants. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1024-1035.	2.9	51

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19	Reduced graphene oxide wrapped ZnMn2O4/carbon nanofibers for long-life lithium-ion batteries. Electrochimica Acta, 2018, 270, 417-425.	2.6	50
20	Harvesting Waterâ€Evaporationâ€Induced Electricity Based on Liquidâ€“Solid Triboelectric Nanogenerator. Advanced Science, 2022, 9, e2201586.	5.6	49
21	Estimation of Time Delay and Repeater Insertion in Multiwall Carbon Nanotube Interconnects. IEEE Transactions on Electron Devices, 2011, 58, 2712-2720.	1.6	48
22	A Hybrid Regularization Technique for Solving Highly Nonlinear Inverse Scattering Problems. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 11-21.	2.9	48
23	A â€œ4-cellâ€•modular passive DMFC (direct methanol fuel cell) stack forÂportable applications. Energy, 2015, 82, 229-235.	4.5	47
24	Wideband Impedance Model for Coaxial Through-Silicon Vias in 3-D Integration. IEEE Transactions on Electron Devices, 2013, 60, 2498-2504.	1.6	45
25	A high-temperature dielectric polymer poly(acrylonitrile butadiene styrene) with enhanced energy density and efficiency due to a cyano group. Journal of Materials Chemistry A, 2020, 8, 15122-15129.	5.2	43
26	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
27	A hybrid wavelet expansion and boundary element analysis for multiconductor transmission lines in multilayered dielectric media. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 664-675.	2.9	42
28	A Miniaturized Printed Slot Antenna for Six-Band Operation of Mobile Handsets. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 854-857.	2.4	41
29	Wideband Modeling and Characterization of Differential Through-Silicon Vias for 3-D ICs. IEEE Transactions on Electron Devices, 2016, 63, 1168-1175.	1.6	40
30	Enhanced energy storage performance of polymer nanocomposites using hybrid 2D ZnO@MoS2 semiconductive nano-fillers. Chemical Engineering Journal, 2022, 430, 132676.	6.6	40
31	A Wideband and Scalable Model of Spiral Inductors Using Space-Mapping Neural Network. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2473-2480.	2.9	39
32	Preparation and energy storage performance of transparent dielectric films with two-dimensional platelets. Composites Science and Technology, 2019, 182, 107759.	3.8	39
33	A bipolar passive DMFC stack for portable applications. Energy, 2018, 144, 587-593.	4.5	38
34	An Ultrahigh Sensitivity Microwave Sensor for Microfluidic Applications. IEEE Microwave and Wireless Components Letters, 2020, 30, 1201-1204.	2.0	38
35	Comparative studies on DNA-binding and in vitro antitumor activity of enantiomeric ruthenium(II) complexes. Journal of Inorganic Biochemistry, 2018, 180, 54-60.	1.5	37
36	Transverse photon spin of bulk electromagnetic waves in bianisotropic media. Nature Photonics, 2019, 13, 878-882.	15.6	37

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37	A Novel Wireless Power Transfer System with Double Intermediate Resonant Coils. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	36
38	Analysis of Cu-Graphene Interconnects. IEEE Access, 2018, 6, 53499-53508.	2.6	36
39	A supersensitive silicon nanowire array biosensor for quantitating tumor marker ctDNA. Biosensors and Bioelectronics, 2021, 181, 113147.	5.3	36
40	The Gas Leak Detection Based on a Wireless Monitoring System. IEEE Transactions on Industrial Informatics, 2019, 15, 6240-6251.	7.2	35
41	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
42	Simulation Study of 4H-SiC UMOSFET Structure With p⁺-polySi/SiC Shielded Region. IEEE Transactions on Electron Devices, 2017, 64, 3719-3724.	1.6	33
43	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
44	Quasi-BIC laser enabled by high-contrast grating resonator for gas detection. Nanophotonics, 2022, 11, 297-304.	2.9	33
45	Novel Microwave Sensors Based on Split Ring Resonators for Measuring Permittivity. IEEE Access, 2018, 6, 26111-26120.	2.6	32
46	Efficient circuit modelling of wireless power transfer to multiple devices. IET Power Electronics, 2014, 7, 3017-3022.	1.5	31
47	Physical Modeling of Activation Energy in Organic Semiconductor Devices based on Energy and Momentum Conservations. Scientific Reports, 2016, 6, 24777.	1.6	31
48	Investigation of Copperâ€“Carbon Nanotube Composites as Global VLSI Interconnects. IEEE Nanotechnology Magazine, 2017, 16, 891-900.	1.1	31
49	Harvesting ultralow frequency (< 1â€¯Hz) mechanical energy using triboelectric nanogenerator. Nano Energy, 2019, 65, 104011.	8.2	31
50	High-Frequency Analysis of Cu-Carbon Nanotube Composite Through-Silicon Vias. IEEE Nanotechnology Magazine, 2016, 15, 506-511.	1.1	30
51	A Method of Self-Adaptive Inertia Weight for PSO. , 2008, , .		29
52	Effects of vacancy defects on graphene nanoribbon field effect transistor. Micro and Nano Letters, 2013, 8, 816-821.	0.6	29
53	Vertical Graphene Nanoribbon Interconnects at the End of the Roadmap. IEEE Transactions on Electron Devices, 2018, 65, 2632-2637.	1.6	29
54	Fast Microwave Through Wall Imaging Method With Inhomogeneous Background Based on Levenbergâ€“Marquardt Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1138-1147.	2.9	28

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55	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
56	Low sintering temperature, large strain and reduced strain hysteresis of BiFeO3â€“BaTiO3 ceramics for piezoelectric multilayer actuator applications. Ceramics International, 2021, 47, 31349-31356.	2.3	28
57	A Novel High-Voltage ($>$ 600 V) LDMOSFET With Buried N-Layer in Partial SOI Technology. IEEE Transactions on Electron Devices, 2012, 59, 1131-1136.	1.6	27
58	Mini-Review: Modeling and Performance Analysis of Nanocarbon Interconnects. Applied Sciences (Switzerland), 2019, 9, 2174.	1.3	27
59	APPLICATION OF WAVELETS ON THE INTERVAL TO NUMERICAL ANALYSIS OF INTEGRAL EQUATIONS IN ELECTROMAGNETIC SCATTERING PROBLEMS. , 1997, 40, 1-13.		26
60	On-chip inductance modeling and RLC extraction of VLSI interconnects for circuit simulation. , 0, , .		26
61	Electrical Modeling of On-Chip Cu-Graphene Heterogeneous Interconnects. IEEE Electron Device Letters, 2015, 36, 74-76.	2.2	26
62	Adaptively Biased 60-GHz Doherty Power Amplifier in 65-nm CMOS. IEEE Microwave and Wireless Components Letters, 2017, 27, 296-298.	2.0	26
63	A Frequency Synthesizer Based Microwave Permittivity Sensor Using CMRC Structure. IEEE Access, 2018, 6, 8556-8563.	2.6	26
64	A CSRR-Loaded Planar Sensor for Simultaneously Measuring Permittivity and Permeability. IEEE Microwave and Wireless Components Letters, 2020, 30, 219-221.	2.0	26
65	Significantly enhanced energy storage performance of flexible composites using sodium bismuth titanate based lead-free fillers. Journal of Materials Chemistry C, 2020, 8, 14910-14918.	2.7	26
66	A Review of Biosensors for Detecting Tumor Markers in Breast Cancer. Life, 2022, 12, 342.	1.1	25
67	Transient Analysis of Through-Silicon Vias in Floating Silicon Substrate. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 207-216.	1.4	23
68	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
69	Application of wavelets on the interval to the analysis of thin-wire antennas and scatterers. IEEE Transactions on Antennas and Propagation, 1997, 45, 885-893.	3.1	22
70	A high-Q active substrate integrated waveguide based sensor for fully characterizing magneto-dielectric (MD) materials. Sensors and Actuators A: Physical, 2020, 301, 111778.	2.0	22
71	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
72	Modeling of Carbon Nanotube-Based Differential Through-Silicon Vias in 3-D ICs. IEEE Nanotechnology Magazine, 2020, 19, 492-499.	1.1	21

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73	Linear and ferroelectric effects of BaTiO3 particle size on the energy storage performance of composite films with different polymer matrices. Ceramics International, 2021, 47, 22155-22163.	2.3	21
74	The inertia weight self-adapting in PSO. , 2008, , .		20
75	Repeater insertion for carbon nanotube interconnects. Micro and Nano Letters, 2014, 9, 337-339.	0.6	20
76	Learning-Based Quantitative Microwave Imaging With a Hybrid Input Scheme. IEEE Sensors Journal, 2020, 20, 15007-15013.	2.4	20
77	Quasi-Omnidirectional Wireless Power Transfer for a Sensor System. IEEE Sensors Journal, 2020, 20, 6148-6159.	2.4	20
78	Swarm Intelligence Algorithm-Based Optimal Design of Microwave Microfluidic Sensors. IEEE Transactions on Industrial Electronics, 2022, 69, 2077-2087.	5.2	20
79	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
80	Device-level simulation of wave propagation along metal-insulator-semiconductor interconnects. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1127-1136.	2.9	19
81	Unconditionally stable FDTD formulation with UPML-ABC. IEEE Microwave and Wireless Components Letters, 2006, 16, 161-163.	2.0	19
82	Polypeptide-assisted hydrothermal synthesis of ZnO for room temperature NO2 gas sensor under UV illumination. Chemical Physics Letters, 2020, 754, 137745.	1.2	19
83	A Dual-Band Outphasing Power Amplifier Based on Noncommensurate Transmission Line Concept. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3079-3089.	2.9	19
84	Microwave Planar Sensors for Fully Characterizing Magneto-Dielectric Materials. IEEE Access, 2020, 8, 41985-41999.	2.6	19
85	A Temperature-Compensated Differential Microstrip Sensor for Microfluidic Applications. IEEE Sensors Journal, 2021, 21, 24075-24083.	2.4	19
86	A High-Voltage (>600 V) N-Island LDMOS With Step-Doped Drift Region in Partial SOI Technology. IEEE Transactions on Electron Devices, 2016, 63, 1969-1976.	1.6	18
87	Two-dimensional SrTiO3 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
88	Thickness-Dependent Strain Effect on the Deformation of the Graphene-Encapsulated Au Nanoparticles. Journal of Nanomaterials, 2014, 2014, 1-6.	1.5	17
89	Efficient Radiation by Electrically Small Antennas made of Coupled Split-ring Resonators. Scientific Reports, 2016, 6, 33501.	1.6	17
90	Dual-frequency piezoelectric micromachined ultrasonic transducers. Applied Physics Letters, 2019, 115, .	1.5	17

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91	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
92	Phenylalanine Dipeptide-Regulated Ag/In₂O₃ Nanocomposites for Enhanced NO₂ Gas Sensing at Room Temperature with UV Illumination. ACS Applied Nano Materials, 2021, 4, 13018-13026.	2.4	17
93	Multimode and Wideband Printed Loop Antenna Based on Degraded Split-Ring Resonators. IEEE Access, 2017, 5, 15561-15570.	2.6	16
94	Repeater Insertion to Reduce Delay and Power in Copper and Carbon Nanotube-Based Nanointerconnects. IEEE Access, 2019, 7, 13622-13633.	2.6	16
95	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
96	MoS2-doped spherical SnO2 for SO2 sensing under UV light at room temperature. Materials Science in Semiconductor Processing, 2021, 134, 105997.	1.9	16
97	A Dielectric Constant Measurement System for Liquid Based on SIW Resonator. IEEE Access, 2018, 6, 41163-41172.	2.6	15
98	Plasmon-enhanced exciton emissions and Raman scattering of CVD-grown monolayer WS2 on Ag nanoprism arrays. Applied Surface Science, 2020, 504, 144252.	3.1	15
99	High-Frequency Modeling of On-Chip Coupled Carbon Nanotube Interconnects for Millimeter-Wave Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 1226-1232.	1.4	14
100	Modeling and Characterization of Coaxial Through-Silicon Via With Electrically Floating Inner Silicon. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 936-943.	1.4	14
101	Mechanism of substrate-induced anisotropic growth of monolayer WS2 by kinetic Monte Carlo simulations. Npj 2D Materials and Applications, 2019, 3, .	3.9	14
102	Device level modeling of metal-insulator-semiconductor interconnects. IEEE Transactions on Electron Devices, 2001, 48, 1672-1682.	1.6	13
103	Efficient modeling of a biaxial micromirror with decoupled mechanism. Sensors and Actuators A: Physical, 2005, 120, 7-16.	2.0	13
104	Modelling of self-heating effects in multi-wall carbon nanotube interconnects. Micro and Nano Letters, 2011, 6, 52.	0.6	13
105	An Enhanced Gap Source Model. IEEE Transactions on Antennas and Propagation, 2013, 61, 1266-1272.	3.1	13
106	Performance and stability analysis of monolayer singleâ€walled carbon nanotube interconnects. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2015, 28, 456-464.	1.2	13
107	Uniplanar dualâ€band printed compound loop antenna for WLAN/WiMAX applications. Electronics Letters, 2017, 53, 1083-1084.	0.5	13
108	An Ultrawideband Low-Profile High-Efficiency Indoor Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 346-349.	2.4	13

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109	Sensitivity optimization of differential microwave sensors for microfluidic applications. Sensors and Actuators A: Physical, 2021, 330, 112866.	2.0	13
110	Low loss and high permittivity composites based on poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (fluoride-chlorotrifluo 2017, 43, 1504-1508.	2.3	12
111	Modeling and Performance Analysis of Shielded Differential Annular Through-Silicon Via (SD-ATSV) for 3-D ICs. IEEE Access, 2018, 6, 33238-33250.	2.6	12
112	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
113	A Characterization of the Performance of Gas Sensor Based on Heater in Different Gas Flow Rate Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 6281-6290.	7.2	12
114	Analysis of electromagnetic scattering from conducting bodies of revolution using orthogonal wavelet expansions. IEEE Transactions on Electromagnetic Compatibility, 1998, 40, 1-11.	1.4	11
115	Efficient Sigmoid Function for Neural Networks Based FPGA Design. Lecture Notes in Computer Science, 2006, , 672-677.	1.0	11
116	Design of a Novel Miniaturized Frequency Selective Surface Based on 2.5-Dimensional Jerusalem Cross for 5G Applications. Wireless Communications and Mobile Computing, 2018, 2018, 1-6.	0.8	11
117	A Reactance Compensated Three-Device Doherty Power Amplifier for Bandwidth and Back-Off Range Extension. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	0.8	11
118	A Passive Equalizer Design for Shielded Differential Through-Silicon Vias in 3-D IC. IEEE Microwave and Wireless Components Letters, 2018, 28, 768-770.	2.0	11
119	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
120	A Novel Reconfiguration CPW Leaky-Wave Antenna for Millimeter-Wave Application. Journal of Infrared, Millimeter and Terahertz Waves, 2002, 23, 1637-1648.	0.6	10
121	PLRC-WCS FDTD Method for Dispersive Media. IEEE Microwave and Wireless Components Letters, 2009, 19, 341-343.	2.0	10
122	Mur Absorbing Boundary Condition for Three-Step 3-D LOD-FDTD Method. IEEE Microwave and Wireless Components Letters, 2010, 20, 589-591.	2.0	10
123	A compact outphasing power amplifier with integrated reactive compensation. Microwave and Optical Technology Letters, 2020, 62, 137-141.	0.9	10
124	Modeling and Characterization of Differential Multibit Carbon-Nanotube Through-Silicon Vias. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 534-537.	1.4	10
125	Enhanced energy storage performance of PVDF composite films with a small content of BaTiO3. Journal of Materials Science: Materials in Electronics, 2021, 32, 24248-24257.	1.1	10
126	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

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127	A fast wavelet multigrid algorithm for solution of electromagnetic integral equations. , 2000, 24, 86-91.		9
128	Low numerical dispersion locally oneâ€dimensional FDTD method based on compact higherâ€order scheme. Microwave and Optical Technology Letters, 2008, 50, 2783-2787.	0.9	9
129	Parametric modeling of microwave passive components using combined neural networks and transfer functions in the time and frequency. International Journal of RF and Microwave Computer-Aided Engineering, 2013, 23, 20-33.	0.8	9
130	Local Lattice Distortion Effect on the Magnetic Ordering of the Heusler Alloy Co2FeAl0.5Si0.5 Film. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1861-1865.	0.8	9
131	A valley and spin filter based on gapped graphene. Journal of Physics Condensed Matter, 2016, 28, 285302.	0.7	9
132	Compact Doherty Power Amplifier Design for 2 2 Multiple-Input Multiple-Output System. IEEE Microwave and Wireless Components Letters, 2016, 26, 216-218.	2.0	9
133	Repeater Insertion for Multi-Walled Carbon Nanotube Interconnects. Applied Sciences (Switzerland), 2018, 8, 236.	1.3	9
134	Printed multiâ€band compound metaâ€loop antenna with hybridâ€coupled SRRs. IET Microwaves, Antennas and Propagation, 2018, 12, 1382-1388.	0.7	9
135	A wireless multifunctional monitoring system of tower body running state based on MEMS acceleration sensor. , 2018, , .		9
136	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
137	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
138	On the utilization of periodic wavelet expansions in the moment methods. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2495-2498.	2.9	8
139	A VLSI routing algorithm based on improved DPSO. , 2009, , .		8
140	Treatment of Singular Integrals on Generalized Curvilinear Parametric Quadrilaterals in Higher Order Method of Moments. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1310-1313.	2.4	8
141	Performance effects of pipeline architecture on an FPGA-based binary32 floating point multiplier. Microprocessors and Microsystems, 2013, 37, 1183-1191.	1.8	8
142	Modeling of TSV-based solenoid inductors for 3-D integration. , 2015, , .		8
143	Rendering wide impedance band of ESA made of SRRs. Electronics Letters, 2016, 52, 1582-1584.	0.5	8
144	Dimension Effect on Breakdown Voltage of Partial SOI LDMOS. IEEE Journal of the Electron Devices Society, 2017, 5, 157-163.	1.2	8

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145	Numerical Investigation of High-Voltage Partial Buried P/N-Layer SOI LDMOS. IEEE Transactions on Electron Devices, 2017, 64, 3725-3733.	1.6	8
146	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
147	Photon statistics and dynamics of nanolasers subject to intensity feedback. Physical Review A, 2020, 101, .	1.0	8
148	Analysis of Transmission Characteristics of Copper/Carbon Nanotube Composite Throughâ€Silicon Via Interconnects. Chinese Journal of Electronics, 2019, 28, 920-924.	0.7	8
149	UV-enhanced NO₂ gas sensors based on In₂O₃/ZnO composite material modified by polypeptides. Nanotechnology, 2022, 33, 155501.	1.3	8
150	Efficient Design of Directive Patch Antennas in Mobile Communications Using Metamaterials. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 639-649.	0.6	7
151	Sensor Deployment Strategy for Collaborative Target Detection with Guaranteed Accuracy. , 2008, , .		7
152	Analytic Model for Undoped Symmetric Double-Gate MOSFETs With Small Gate-Oxide-Thickness Asymmetry. IEEE Transactions on Electron Devices, 2009, 56, 2297-2301.	1.6	7
153	High-Order Element Effects of the Green's Function in Quantum Transport Simulation of Nanoscale Devices. IEEE Transactions on Electron Devices, 2009, 56, 3106-3114.	1.6	7
154	Using dual-band asymmetric transmission effect of 2D metamaterial to manipulate linear polarization state of electromagnetic waves. AIP Advances, 2014, 4, .	0.6	7
155	Closedâ€form impedance model for annular throughâ€silicon via pairs in threeâ€dimensional integration. IET Microwaves, Antennas and Propagation, 2015, 9, 808-813.	0.7	7
156	Synthesis of quasi-coreâ€“shell Co-doped ZnO/graphene nanoparticles. Materials Letters, 2015, 161, 286-288.	1.3	7
157	Multiple Trench Split-gate SOI LDMOS Integrated With Schottky Rectifier. IEEE Transactions on Electron Devices, 2017, 64, 3028-3031.	1.6	7
158	An optimal operating frequency selection scheme for maximizing inductive power link efficiency. Microwave and Optical Technology Letters, 2018, 60, 625-629.	0.9	7
159	A Compact Passive Equalizer Design for Differential Channels in TSV-Based 3-D ICs. IEEE Access, 2018, 6, 75278-75292.	2.6	7
160	Heterostructure Manipulation toward Ameliorating Electrodes for Better Lithium Storage Capability. ACS Sustainable Chemistry and Engineering, 2018, 6, 17267-17276.	3.2	7
161	Spin Momentumâ€“Locked Surface States in Metamaterials without Topological Transition. Laser and Photonics Reviews, 2018, 12, 1800002.	4.4	7
162	A novel direct matching network synthesis technique and its application to broadband<scp>classâ€J</scp>power amplifier. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22390.	0.8	7

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163	A high efficiency dualâ€band outphasing power amplifier design. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22515.	0.8	7
164	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
165	Methodological investigation into the noise influence on nanolasersâ€™ large signal modulation. Optics Express, 2021, 29, 5081.	1.7	7
166	Microfabrication and characterization of dual-frequency piezoelectric micromachined ultrasonic transducers. , 2021, , .		7
167	Modeling Radio-Frequency Devices Based on Deep Learning Technique. Electronics (Switzerland), 2021, 10, 1710.	1.8	7
168	Utilization of nitrogen self-doped biocarbon derived from soybean nodule in electrochemically sensing ascorbic acid and dopamine. Journal of Porous Materials, 2021, 28, 529-541.	1.3	7
169	Nanolasers with Feedback as Low-Coherence Illumination Sources for Speckle-Free Imaging: A Numerical Analysis of the Superthermal Emission Regime. Nanomaterials, 2021, 11, 3325.	1.9	7
170	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
171	A Split-Ring Resonator-Based Planar Microwave Sensor for Microfluidic Applications. , 2022, , .		7
172	Harmonic retrieval in complex noises based on wavelet transform. , 2008, 18, 534-542.		6
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