

Linsheng Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177
papers

2,110
citations

24
h-index

39
g-index

290
ext. papers

2,791
ext. citations

2.7
avg, IF

5.18
L-index

#	Paper	IF	Citations
177	Conductive Bridging-Based Memristive RF Switches on a Silicon Substrate. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 70, 24-34	4.1	
176	Multiphysics Computation for Resistive Random Access Memories With Different Metal Oxides. <i>IEEE Transactions on Electron Devices</i> , 2022 , 69, 133-140	2.9	1
175	A Ku-Band Eight-Element Phased-Array Transmitter With Built-in Self-Test Capability in 180-nm CMOS Technology. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2022 , 1-12	2.6	
174	A Near-Field Motion Detection Technique Based on a Resonant Magnetic Probe 2022 , 6, 1-4		
173	Hexahedron-Based Control Volume Finite Element Method for Fully Coupled Nonlinear Drift-Diffusion Transport Equations in Semiconductor Devices. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	1
172	A Method of Introducing Coupling Null by Shorting Pins for Stacked Microstrip Patch Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	0
171	An Unequal Wilkinson Power Divider Based on Integrated Passive Device Technology and Parametric Model. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 1-4	2.6	
170	An Overview of Probe-Based Millimeter-Wave/Terahertz Far-Field Antenna Measurement Setups [Measurements Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2021 , 63, 63-118	1.7	6
169	Microstrip Grid and Patch-Based Dual-Band Shared-Aperture Differentially Fed Array Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1043-1047	3.8	3
168	A Wideband CMOS Frequency Quadrupler With Transformer-Based Tail Feedback Loop. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1153-1157	3.5	2
167	A Flat Passband Predistorted Bandpass Filter with Folded Substrate Integrated Waveguide. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	4
166	An Adaptive High-Order Transient Algorithm to Solve Large-Scale Anisotropic Maxwell's Equations. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	7
165	A Hybrid Streamline Upwind Finite Volume-Finite Element Method for Semiconductor Continuity Equations. <i>IEEE Transactions on Electron Devices</i> , 2021 , 1-9	2.9	1
164	A New Gysel Out-of-Phase Power Divider With Arbitrary Power Dividing Ratio Based on Analysis Method of Equivalence of N-Port Networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 1335-1343	4.1	0
163	EMI Analysis of Multiscale Transmission Line Network Using a Hybrid FDTD Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 63, 1202-1211	2	2
162	High-Speed Efficient On-Chip Electro-Optic Modulator Based on Midinfrared Hyperbolic Metamaterials. <i>Physical Review Applied</i> , 2021 , 16,	4.3	1
161	Lumped-Network FDTD Method for Simulating Transient Responses of RF Amplifiers Excited by Intentional Electromagnetic Interference Signals. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 1-10	2	0

160	Fourier Subspace-Based Deep Learning Method for Inverse Design of Frequency Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4
159	A Novel Design of Compact Out-of-Phase Power Divider With Arbitrary Ratio. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 5235-5243	4.1	2
158	Efficient Analytical Model for the Transfer Impedance and Admittance of Noncoaxial/Twinax Braided Shielded Cables. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020 , 62, 2725-2736	2	5
157	Magnetic Metamirrors as Spatial Frequency Filters. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5505-5511	4.9	2
156	Modeling and Simulation of Resistive Random Access Memory With Graphene Electrode. <i>IEEE Transactions on Electron Devices</i> , 2020 , 67, 915-921	2.9	4
155	Stochastic Analysis of Multitwisted Cables With Random Parameters Excited by Random Plane-Wave Fields. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020 , 62, 2084-2095	2	4
154	Differential Microwave Microfluidic Sensor Based on Microstrip Complementary Split-Ring Resonator (MCSRR) Structure. <i>IEEE Sensors Journal</i> , 2020 , 20, 5876-5884	4	28
153	Fully coupled electrothermal simulation of resistive random access memory (RRAM) array. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	1
152	A Hybrid Method Based on Leapfrog ADI-FDTD and FDTD for Solving Multiscale Transmission Line Network. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2020 , 5, 273-280	1.5	5
151	A New Compact Power Divider Based on Capacitor Central Loaded Coupled Microstrip Line. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4249-4256	4.1	6
150	Liquid crystal-based beam switchable three-element microstrip parasitic array. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1857-1861	1.6	
149	Mutual Coupling Analysis of High-Directivity Stacked Patch Array for 77 GHz MIMO Radar 2020 ,		1
148	Microstrip Memristive Switch and Its Applications to RF Devices 2020 ,		1
147	Memristive Switch for Intelligent RF Applications 2020 ,		1
146	Investigation on harmonic spur characteristics of hybrid integrated LDMOS and AlGaN/GaN power amplifiers at different temperatures. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22345	1.5	
145	Massively Parallel Electromagnetic-Thermal Cosimulation of Large Antenna Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1551-1555	3.8	3
144	A Novel Leaky Wave Endfire Filtering Antenna Based on Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 3061-3066	1.3	11
143	A 68.5~90 GHz High-Gain Power Amplifier With Capacitive Stability Enhancement Technique in 0.13 μm SiGe BiCMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 1-1	4.1	2

142	Dual-Band Differential Shifted-Feed Microstrip Grid Array Antenna With Two Parasitic Patches. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2434-2439	4.9	15
141	Modeling electromagnetic wave coupling and mode conversion effects in multitwisted bundle of twisted-wire pairs (MTB-TWP) above ground plane. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2539	1	1
140	A Wideband Microstrip-Fed Dielectric Resonator Antenna Array With Defected Ground Structure 2019 ,		1
139	Active Integrated Dielectric Resonator Antenna-in-Package Design. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2414-2418	3.8	3
138	An Improved MOD Discontinuous Galerkin Method for Solving Time-Domain Electric Field Integral Equation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 851-855	3.8	1
137	A Single-Ended-to-Balanced Impedance-Transforming Branch-Line Coupler With Arbitrary Power Division Ratio. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 949-956	4.1	10
136	Mini-Review: Modeling and Performance Analysis of Nanocarbon Interconnects. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2174	2.6	18
135	A General Method for Balanced-to-Unbalanced Filtering Out-of-Phase Power Divider Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 2693-2700	4.1	2
134	An improved multifilamentary conduction model for multiphysics analysis of reset process in resistive random access memory. <i>AIP Advances</i> , 2019 , 9, 045310	1.5	
133	Study on High-Density Integration Resistive Random Access Memory Array From Multiphysics Perspective by Parallel Computing. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 1747-1753	2.9	9
132	An Improved Algorithm for Drift Diffusion Transport and Its Application on Large Scale Parallel Simulation of Resistive Random Access Memory Arrays. <i>IEEE Access</i> , 2019 , 7, 31273-31285	3.5	4
131	Fully Coupled Electrothermal Simulation of Large RRAM Arrays in the "Thermal-House" <i>IEEE Access</i> , 2019 , 7, 3897-3908	3.5	5
130	Characterization of Electromagnetic Wave Coupling With a Twisted Bundle of Twisted Wire Pairs (TBTWPs) Above a Ground Plane. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 251-260	2	7
129	A Balanced-to-Balanced Rat-Race Coupling Network Based on Defected Slots. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 459-461	2.6	10
128	Terahertz frequency selective surface based on metal-graphene structure with independent frequency tuneability. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 911-916	1.6	1
127	Parallel Simulation of Fully Coupled Electrothermal Processes in Large-Scale Phase-Change Memory Arrays. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 5117-5125	2.9	4
126	28-GHz High-Selectivity Bandpass Filters With Dual-Behavior Resonators Using GaAs Technology. <i>IEEE Transactions on Plasma Science</i> , 2019 , 47, 5277-5282	1.3	13
125	Massively Parallel Simulation of Antenna Array Using Domain Decomposition Method and a High-Performance Computing Scheme 2019 ,		3

124	Cavity model analysis of differential dual-polarised annular-ring patch antenna. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1389-1393	1.6	1
123	Quantum Transport Study of Si Ultrathin-Body Double-Gate pMOSFETs: I_{DS} vs V_{GS} , I_{CS} vs V_{GS} , Energy Delay, and Parasitic Effects. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 655-663	2.9	5
122	All-Two-Dimensional-Material Hot Electron Transistor. <i>IEEE Electron Device Letters</i> , 2018 , 39, 634-637	4.4	14
121	Carrier Dynamics of Nanopillar Textured Ultrathin Si Film/PEDOT:PSS Heterojunction Solar Cell. <i>IEEE Journal of Photovoltaics</i> , 2018 , 8, 757-762	3.7	2
120	Ruggedness Characterization of Bonding Wire Arrays in LD MOSFET-Based Power Amplifiers. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018 , 8, 1032-1041	1.7	3
119	BALANCED POWER DIVIDERS/COMBINERS 2018 , 565-606		
118	An Absorptive Balanced-to-Balanced Power Divider. <i>IEEE Access</i> , 2018 , 6, 14613-14619	3.5	6
117	A Multilevel Method With Novel Correction Strategy for Parallel Finite-Element Analysis of Electromagnetic Problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3787-3791	4.9	1
116	Study on SAR Distribution of Human Body on the Vehicle Platform Using a Modified FDTD Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018 , 60, 840-848	2	4
115	45-Degree polarized microstrip grid arrays for millimeter-wave micro base station 2018 ,		2
114	Ultra-Wideband Filtering 180° Hybrid Coupler With Super Wide Upper Stopband Using Swap Phase Inverter and Electromagnetic Bandgap Structures on Double-Sided Parallel-Strip Line. <i>IEEE Access</i> , 2018 , 6, 41099-41106	3.5	6
113	High-Frequency Electrothermal Characterization of TSV-Based Power Delivery Network. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018 , 8, 2171-2179	1.7	4
112	A filter with equal-ripple negative group delay 2018 ,		1
111	Experiments and Comparisons of Power to Failure for SiGe-Based Low-Noise Amplifiers Under High-Power Microwave Pulses. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018 , 60, 1427-1435	2	5
110	Substrate Integrated Waveguide Filter With Flat Passband Based on Complex Couplings. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 494-496	2.6	11
109	Microstrip-Fed Differential Dielectric Resonator Antenna and Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1736-1739	3.8	17
108	A Compact Passive Equalizer Design for Differential Channels in TSV-Based 3-D ICs. <i>IEEE Access</i> , 2018 , 6, 75278-75292	3.5	4
107	Theoretical and Experimental Investigation of HMSIW-Based High-Speed Data Transmission System Using QPSK Scheme. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018 , 8, 1938-1947	1.7	2

106	183-GHz Frequency Selective Surface Using Aligned Eight-Layer Microstructure. <i>IEEE Electron Device Letters</i> , 2018 , 1-1	4.4	1
105	A Wideband Filtering Balanced-to-Unbalanced Out-of-Phase Power Divider. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 870-872	2.6	8
104	A 77GHz High-Directivity Antenna with Stacked Patches for Automotive Radar 2018 ,		1
103	A Low-Profile Broadband Bandpass Frequency Selective Surface With Two Rapid Band Edges for 5G Near-Field Applications. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 670-676	2	37
102	Characterization of Near-Field Coupling Effects From Complicated Three-Dimensional Structures in Rectangular Cavities Using Fast Integral Equation Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 639-645	2	6
101	Tuning of the Contact Properties for High-Efficiency Si/PEDOT:PSS Heterojunction Solar Cells. <i>ACS Energy Letters</i> , 2017 , 2, 556-562	20.1	64
100	Analysis and Design of Inductorless Wideband Low-Noise Amplifier With Noise Cancellation Technique. <i>IEEE Access</i> , 2017 , 5, 9389-9397	3.5	24
99	Hybrid FDTD Method for Studying Electromagnetic Coupling Effects of Transmission Line Networks. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 1650-1653	2	8
98	Characterization of tunable graphene metasurfaces over an ultrawide terahertz band using a 1-step leapfrog hybrid implicit-explicit FDTD method. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2017 , 30, e2250	1	1
97	Massively Parallel Simulation of Large-Scale Electromagnetic Problems Using One High-Performance Computing Scheme and Domain Decomposition Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 1523-1531	2	18
96	High-Frequency Analysis of Intercalated Multilayer Graphene (IMLG) and Implication for Tunable Terahertz Resonator Design. <i>IEEE Access</i> , 2017 , 5, 7532-7541	3.5	2
95	Absorptive Bandstop Filter With Prescribed Negative Group Delay and Bandwidth. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 639-641	2.6	44
94	A Wideband Millimeter-Wave Substrate Integrated Coaxial Line Array for High-Speed Data Transmission. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2789-2800	4.1	20
93	Improved Hybrid Leapfrog ADI-FDTD Method for Simulating Near-Field Coupling Effects Among Multiple Thin Wire Monopole Antennas on a Complex Platform. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 618-626	2	6
92	A Bandpass Graphene Frequency Selective Surface With Tunable Polarization Rotation for THz Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 662-672	4.9	44
91	Tunable THz Multiband Frequency-Selective Surface Based on Hybrid Metal Graphene Structures. <i>IEEE Nanotechnology Magazine</i> , 2017 , 16, 1132-1137	2.6	32
90	All-resonator based LTCC diplexer using substrate-integrated-waveguides. <i>Electronics Letters</i> , 2017 , 53, 1410-1412	1.1	8
89	LTCC based substrate integrated waveguide (SIW) bandpass filters with CPW transitions 2017 ,		1

88	Stacked patch array in LTCC for 28 GHz antenna-in-package applications 2017 ,		6
87	A negative group delay tuner with stable insertion loss 2017 ,		3
86	Fully Coupled Multiphysics Simulation of Crosstalk Effect in Bipolar Resistive Random Access Memory. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 3647-3653	2.9	19
85	Influence of channel length, thickness, and crystal orientation in ultra-scaled double-gate pMOSFETs 2017 ,		2
84	Modeling and simulation of Si/PEDOT:PSS planar heterojunction photovoltaics by finite element method 2017 ,		1
83	A Sinusoidally-Modulated Leaky-Wave Antenna With Gapped Graphene Ribbons. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 3000-3004	3.8	15
82	A balanced-to-balanced filtering gysel power divider with unequal power division 2017 ,		3
81	Lossy substrate integrated waveguide filter with flat passband 2016 ,		1
80	Electrothermal Characterization in 3-D Resistive Random Access Memory Arrays. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 4720-4728	2.9	17
79	Scaling Analysis of High Gain Monolayer MoS ₂ Photodetector for Its Performance Optimization. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 1608-1614	2.9	10
78	A Reconfigurable Graphene Reflectarray for Generation of Vortex THz Waves. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1537-1540	3.8	49
77	A Flat-Passband Microstrip Filter With Nonuniform- Q Dual-Mode Resonators. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 183-185	2.6	13
76	Investigating a Thermal Breakdown Model and Experiments on a Silicon-Based Low-Noise Amplifier Under High-Power Microwave Pulses. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2016 , 58, 487-493	2.9	11
75	Theory of Reflective Phase-Shifting Surface for Generating Vortex Radio Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4942-4948	4.9	3
74	Modeling and measurement of a novel shielding design in silicon interposer 2016 ,		1
73	Electrothermal Cosimulation of 3-D Carbon-Based Heterogeneous Interconnects. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016 , 6, 518-526	1.7	19
72	A planar filtering crossover for three intersecting channels 2016 ,		5
71	A transparent broadband absorber based on graphene 2016 ,		2

70	Electrothermal Effects on Hot-Carrier Reliability in SOI MOSFETs Versus Circuit-Speed Random Stress. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 3669-3676	2.9	13
69	Wideband Modeling of Graphene-Based Structures at Different Temperatures Using Hybrid FDTD Method. <i>IEEE Nanotechnology Magazine</i> , 2015 , 14, 250-258	2.6	20
68	The Conformal HIE-FDTD Method for Simulating Tunable Graphene-Based Couplers for THz Applications. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2015 , 5, 368-376	3.4	24
67	Electrothermal Investigation on Vertically Aligned Single-Walled Carbon Nanotube Contacted Phase-Change Memory Array for 3-D ICs. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 3258-3263	2.9	10
66	A Four-Way Microstrip Filtering Power Divider With Frequency-Dependent Couplings. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3494-3504	4.1	62
65	A New Wideband Elliptic Bandstop Filter With Cross Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 639-641	2.6	13
64	Implementation of CPML for One-Step Leapfrog WCS-FDTD Method. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 496-498	2.6	8
63	The Implementation of Convolutional Perfectly Matched Layer (CPML) for One-Step Leapfrog HIE-FDTD Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1694-1697	3.8	11
62	High-selectivity triband bandpass filter based on dual-plane microstrip/slotline structure. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2225-2228	1.2	1
61	Modeling of magnetically biased graphene patch frequency selective surface (FSS) 2015 ,		2
60	Generation of THz wave with orbital angular momentum by graphene patch reflectarray 2015 ,		10
59	Optimized Conformal FDTD (2, 4) Method for Calculating Reflected and Diffracted Electromagnetic Fields of Perfectly Conducting Wedges. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2014 , 56, 466-474	2	4
58	Steady-state electro-thermal analysis and optimization of multilayer boards and substrate-integrated waveguide filters. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2014 , 24, 594-604	1.5	2
57	A new quad-band Wilkinson power divider. <i>Journal of Electromagnetic Waves and Applications</i> , 2014 , 28, 1622-1634	1.3	5
56	A Compact Gysel Power Divider With Unequal Power-Dividing Ratio Using One Resistor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 1480-1486	4.1	31
55	A Novel Surface-Mounted Monoblock Dielectric Filter. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014 , 4, 1822-1827	1.7	9
54	High-Performance Resonator Based on Multiwalled Carbon Nanotube (MWCNT). <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 1240-1249	2.6	3
53	Efficient Solution of Time-Domain Surface-Wire Integral Equation for Predicting Electromagnetic Responses of Complex Structures. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1465-1468	3.8	3

52	A Balanced-to-Balanced Power Divider With Arbitrary Power Division. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 2831-2840	4.1	69
51	Collaborative Design of a New Dual-Bandpass 180° Hybrid Coupler. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 1053-1066	4.1	26
50	A Novel Compact Dual-Band Antenna Array With High Isolations Realized Using the Neutralization Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1956-1962	4.9	17
49	Experimental Investigation and Analysis of the LDMOS FET Breakdown Under HPM Pulses. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2013 , 55, 909-916	2	8
48	A New Balanced-to-Balanced Power Divider/Combiner. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 2791-2798	4.1	86
47	Design of compact dual-band quasi-elliptic filter with high selectivity and wide stopband rejection 2012 ,		2
46	Notched ultra-wideband (UWB) bandpass filter with wide upper stopband based on electromagnetic bandgap (EBG) structures 2012 ,		2
45	Design of a Beam Reconfigurable THz Antenna With Graphene-Based Switchable High-Impedance Surface. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 836-842	2.6	79
44	Compact quasi-elliptic bandpass filter based on folded ridge substrate integrated waveguide (FRSIW) 2012 ,		6
43	One-Step Leapfrog ADI-FDTD Method Including Lumped Elements and Its Stability Analysis. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1406-1409	3.8	6
42	Design of a Substrate Integrated Waveguide Balun Filter Based on Three-Port Coupled-Resonator Circuit Model. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 252-254	2.6	39
41	Modeling and Performance Characterization of Double-Walled Carbon Nanotube Array Field-Effect Transistors. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 17-25	2.9	3
40	Investigation on Self-Heating Effect in Carbon Nanotube Field-Effect Transistors. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 523-529	2.9	8
39	Performance enhancement research for printed circuit board manufacture in China 2011 ,		1
38	Design of a switchable high impedance surface based on single-layer doped graphene for THz application 2011 ,		3
37	High-Order Interface Treatment Techniques for Modeling Curved Dielectric Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 2946-2953	4.9	16
36	Study on multi-walled carbon nanotube resonator 2010 ,		2
35	A New Type of Periodically Loaded Half-Mode Substrate Integrated Waveguide and Its Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 882-893	4.1	42

34	N+1 transmission zeros in Nth-order cross-coupled filter with mixed source and load coupling (MSLC) 2009 ,		5
33	Shielding Characterization of Metallic Enclosures With Multiple Slots and a Thin-Wire Antenna Loaded: Multiple Oblique EMP Incidences With Arbitrary Polarizations. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 284-292	2	25
32	Accurate Characterization of Shielding Effectiveness of Metallic Enclosures With Thin Wires and Thin Slots. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 293-300	2	27
31	Time-Domain Investigation on Cable-Induced Transient Coupling Into Metallic Enclosures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 953-962	2	12
30	A novel multilayered cross-coupled substrate-integrated waveguide (SIW) circular cavity filter in LTCC. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 1686-1689	1.2	8
29	A novel LTCC multilayer SIW linear phase filter. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2357-2360	1.2	2
28	Design of multilayer triangular substrate integrated waveguide filter in LTCC. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2582-2585	1.2	5
27	A Novel Single-Cavity Dual Mode Substrate Integrated Waveguide Filter With Non-Resonating Node. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 368-370	2.6	65
26	Transient Electrothermal Analysis of Multilevel Interconnects in the Presence of ESD Pulses Using the Nonlinear Time-Domain Finite-Element Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 774-783	2	24
25	An Arbitrary-Order LOD-FDTD Method and its Stability and Numerical Dispersion. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2409-2417	4.9	43
24	Dynamic Power Model of CMOS Gates Driving Transmission Lines Based on Fourier Analysis. <i>IEEE Transactions on Electron Devices</i> , 2008 , 55, 594-600	2.9	25
23	Circuit Modeling and Performance Analysis of Multi-Walled Carbon Nanotube Interconnects. <i>IEEE Transactions on Electron Devices</i> , 2008 , 55, 1328-1337	2.9	261
22	Thermal Transient Response of GaAs FETs Under Intentional Electromagnetic Interference (IEMI). <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2008 , 50, 340-346	2	18
21	Wideband Pulse Responses of Metallic Rectangular Multistage Cascaded Enclosures Illuminated by an EMP. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2008 , 50, 928-939	2	11
20	Vertical Topologies of Miniature Multispiral Stacked Inductors. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 475-486	4.1	22
19	Improved circuit model for coplanar-waveguide to microstrip-line transition on silicon substrate. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 141-144	1.2	
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14	Characterization of on-chip miniature multi-layer spiral inductors for RFICs. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 2932-2936	1.2	1
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