Jun-Fa Mao

List of Publications by Year
in descending order

359	4,184	147726	161767
papers	citations	31 h-index	54 g-index

360	360	360	2743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Circuit Modeling and Performance Analysis of Multi-Walled Carbon Nanotube Interconnects. IEEE Transactions on Electron Devices, 2008, 55, 1328-1337.	1.6	324
2	An Overview of the Development of Antenna-in-Package Technology for Highly Integrated Wireless Devices. Proceedings of the IEEE, 2019, 107, 2265-2280.	16.4	139
3	Global Interconnect Width and Spacing Optimization for Latency, Bandwidth and Power Dissipation. IEEE Transactions on Electron Devices, 2005, 52, 2272-2279.	1.6	135
4	Harmonic suppression with photonic bandgap and defected ground structure for a microstrip patch antenna. IEEE Microwave and Wireless Components Letters, 2005, 15, 55-56.	2.0	124
5	Design of a Beam Reconfigurable THz Antenna With Graphene-Based Switchable High-Impedance Surface. IEEE Nanotechnology Magazine, 2012, 11, 836-842.	1.1	108
6	An improved 1D periodic defected ground structure for microstrip line. IEEE Microwave and Wireless Components Letters, 2004, 14, 180-182.	2.0	106
7	A New Balanced-to-Balanced Power Divider/Combiner. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2791-2798.	2.9	102
8	Novel Substrate Integrated Waveguide Filters With Mixed Cross Coupling (MCC). IEEE Microwave and Wireless Components Letters, 2009, 19, 701-703.	2.0	96
9	A Four-Way Microstrip Filtering Power Divider With Frequency-Dependent Couplings. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3494-3504.	2.9	87
10	A Novel Single-Cavity Dual Mode Substrate Integrated Waveguide Filter With Non-Resonating Node. IEEE Microwave and Wireless Components Letters, 2009, 19, 368-370.	2.0	84
11	A Systematic Electromagnetic-Circuit Method for EMI Analysis of Coupled Interconnects on Dispersive Dielectrics. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1-13.	2.9	81
12	On-chip intercalated-graphene inductors for next-generation radio frequency electronics. Nature Electronics, 2018, 1, 46-51.	13.1	77
13	A Balanced-to-Balanced Power Divider With Arbitrary Power Division. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2831-2840.	2.9	76
14	Compact Lowpass Filters With Sharp and Expanded Stopband Using Stepped Impedance Hairpin Units. IEEE Microwave and Wireless Components Letters, 2010, 20, 310-312.	2.0	73
15	A Bandpass Graphene Frequency Selective Surface With Tunable Polarization Rotation for THz Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 662-672.	3.1	66
16	A New Type of Periodically Loaded Half-Mode Substrate Integrated Waveguide and Its Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 882-893.	2.9	57
17	A Half-Mode Substrate Integrated Waveguide Ring for Two-Way Power Division of Balanced Circuit. IEEE Microwave and Wireless Components Letters, 2012, 22, 333-335.	2.0	56
18	Dynamic Power Model of CMOS Gates Driving Transmission Lines Based on Fourier Analysis. IEEE Transactions on Electron Devices, 2008, 55, 594-600.	1.6	53

#	Article	IF	Citations
19	Transient Analysis of CMOS-Gate-Driven $RLGC$ Interconnects Based on FDTD. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2011, 30, 574-583.	1.9	51
20	Shielding Characterization of Metallic Enclosures With Multiple Slots and a Thin-Wire Antenna Loaded: Multiple Oblique EMP Incidences With Arbitrary Polarizations. IEEE Transactions on Electromagnetic Compatibility, 2009, 51, 284-292.	1.4	41
21	Transient Electrothermal Analysis of Multilevel Interconnects in the Presence of ESD Pulses Using the Nonlinear Time-Domain Finite-Element Method. IEEE Transactions on Electromagnetic Compatibility, 2009, 51, 774-783.	1.4	41
22	A Precise Time-Step Integration Method for Transient Analysis of Lossy Nonuniform Transmission Lines. IEEE Transactions on Electromagnetic Compatibility, 2008, 50, 166-174.	1.4	40
23	Accurate Characterization of Shielding Effectiveness of Metallic Enclosures With Thin Wires and Thin Slots. IEEE Transactions on Electromagnetic Compatibility, 2009, 51, 293-300.	1.4	39
24	Electro-Thermo-Mechanical Characterizations of Various Wire Bonding Interconnects Illuminated by an Electromagnetic Pulse. IEEE Transactions on Advanced Packaging, 2010, 33, 729-737.	1.7	39
25	A Wideband Millimeter-Wave Substrate Integrated Coaxial Line Array for High-Speed Data Transmission. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2789-2800.	2.9	39
26	Modeling and Fast Simulation of Multiwalled Carbon Nanotube Interconnects. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 232-240.	1.4	35
27	Analyzing Large-Scale Non-Periodic Arrays With Synthetic Basis Functions. IEEE Transactions on Antennas and Propagation, 2010, 58, 3576-3584.	3.1	34
28	Accurate Measurement of Human Vital Signs With Linear FMCW Radars Under Proximity Stationary Clutters. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 1393-1404.	2.7	34
29	Transient Thermal Analysis of GaN Heterojunction Transistors (HFETs) for High-Power Applications. IEEE Microwave and Wireless Components Letters, 2007, 17, 55-57.	2.0	33
30	Dualfunction Dielectric Resonator as Antenna and Phase-Delay-Line Load: Designs of Compact Circularly Polarized/Differential Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 414-419.	3.1	33
31	Collaborative Design of a New Dual-Bandpass 180^{circ} Hybrid Coupler. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1053-1066.	2.9	32
32	Carbon Nanotube Vias: Does Ballistic Electronâ€“Phonon Transport Imply Improved Performance and Reliability?. IEEE Transactions on Electron Devices, 2011, 58, 2689-2701.	1.6	31
33	Electrothermal Cosimulation of 3-D Carbon-Based Heterogeneous Interconnects. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 518-526.	1.4	30
34	Quintuple-Mode W-Band Packaged Filter Based on a Modified Quarter-Mode Substrate-Integrated Waveguide Cavity. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 2237-2247.	1.4	30
35	Electromagnetic-Thermal Characterization of on On-Chip Coupled (A)Symmetrical Interconnects. IEEE Transactions on Advanced Packaging, 2007, 30, 851-863.	1.7	29
36	Miniaturized Tapered EBG Structure With Wide Stopband and Flat Passband. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 314-317.	2.4	28

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37	Vertical Topologies of Miniature Multispiral Stacked Inductors. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 475-486.	2.9	27
38	A Novel Compact Dual-Band Antenna Array With High Isolations Realized Using the Neutralization Technique. IEEE Transactions on Antennas and Propagation, 2013, 61, 1956-1962.	3.1	26
39	Transient Thermal Analysis of 3-D Integrated Circuits Packages by the DGTD Method. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 862-871.	1.4	26
40	Heatsink Antenna Array for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 7664-7669.	3.1	26
41	Large Displacement Motion Interferometry With Modified Differentiate and Cross-Multiply Technique. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4879-4890.	2.9	26
42	Design of a Novel Quarter-Mode Substrate-Integrated Waveguide Filter With Multiple Transmission Zeros and Higher Mode Suppressions. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5573-5584.	2.9	25
43	Half-Mode Substrate Integrated Waveguide Dispersion Tailoring Using 2.5-D Spoof Surface Plasmon Polaritons Structure. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2539-2550.	2.9	25
44	Microstrip-Fed Differential Dielectric Resonator Antenna and Array. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1736-1739.	2.4	24
45	Integrated multi-scheme digital modulations of spoof surface plasmon polaritons. Science China Information Sciences, 2020, 63, 1.	2.7	24
46	Low-Profile Broadband Plasma Antenna for Naval Communications in VHF and UHF Bands. IEEE Transactions on Antennas and Propagation, 2020, 68, 4271-4282.	3.1	24
47	Multibranch Raoâ€“Wiltonâ€“Glisson Basis Functions for Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2021, 69, 6624-6634.	3.1	24
48	The enhancement of Q factor for patterned ground shield inductors at high temperatures. IEEE Transactions on Magnetics, 2006, 42, 1873-1875.	1.2	23
49	Miniaturization of Rat-Race Coupler With Dual-Band Arbitrary Power Divisions Based on Stepped-Impedance Double-Sided Parallel-Strip Line. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2012, 2, 2017-2030.	1.4	23
50	An Ultrawideband Magnetic Probe With High Electric Field Suppression Ratio. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	23
51	Thermal Transient Response of GaAs FETs Under Intentional Electromagnetic Interference (IEMI). IEEE Transactions on Electromagnetic Compatibility, 2008, 50, 340-346.	1.4	22
52	Transient analysis of lossy interconnects by modified method of characteristics. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 363-375.	0.1	21
53	A 24 GHz Microstrip Comb Array Antenna With High Sidelobe Suppression for Radar Sensor. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1220-1224.	2.4	21
54	Immunity Analysis and Experimental Investigation of a Low-Noise Amplifier Using a Transient Voltage Suppressor Diode Under Direct Current Injection of HPM Pulses. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 1715-1718.	1.4	19

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55	Transient Electromagnetic-Thermal Simulation of Dispersive Media Using DGTD Method. IEEE Transactions on Electromagnetic Compatibility, 2019, , 1-9.	1.4	19
56	An Overview of Probe-Based Millimeter-Wave/Terahertz Far-Field Antenna Measurement Setups [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2021, 63, 63-118.	1.2	19
57	Stacked patch array in LTCC for 28 GHz antenna-in-package applications. , 2017, , .		18
58	Substrate Integrated Waveguide Filter With Flat Passband Based on Complex Couplings. IEEE Microwave and Wireless Components Letters, 2018, 28, 494-496.	2.0	18
59	Noncontact High-Linear Motion Sensing Based on A Modified Differentiate and Cross-Multiply Algorithm. , 2020, , .		18
60	Vivaldi Antenna Array With Heat Dissipation Enhancement for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 288-295.	3.1	18
61	Miniaturization of Frequency-Reconfigurable Antenna Using Periodic Slow-Wave Structure. IEEE Transactions on Antennas and Propagation, 2021, 69, 7889-7894.	3.1	18
62	Low-Loss Heterogeneous Integrations With High Output Power Radar Applications at W-Band. IEEE Journal of Solid-State Circuits, 2022, 57, 1563-1577.	3.5	18
63	A wide band millimeter-wave substrate integrated coaxial line (SICL) for high speed data transmission. , 2015, , .		17
64	4-D Gesture Sensing Using Reconfigurable Virtual Array Based on a 60-GHz FMCW MIMO Radar Sensor. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3652-3665.	2.9	17
65	Time-Domain Investigation on Cable-Induced Transient Coupling Into Metallic Enclosures. IEEE Transactions on Electromagnetic Compatibility, 2009, 51, 953-962.	1.4	16
66	A 0.5â€“11 GHz CMOS Low Noise Amplifier Using Dual-Channel Shunt Technique. IEEE Microwave and Wireless Components Letters, 2010, 20, 280-282.	2.0	16
67	A new floating active inductor using resistive Feedback Technique. , 2010, , .		16
68	Pattern-Steerable Endfire Plasma Array Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 6994-6998.	3.1	16
69	Wideband Pulse Responses of Metallic Rectangular Multistage Cascaded Enclosures Illuminated by an EMP. IEEE Transactions on Electromagnetic Compatibility, 2008, 50, 928-939.	1.4	15
70	A Compact Single/Dual-Polarized Broadband Antenna With SUM and Difference Beam Capabilities. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 990-993.	2.4	15
71	A Flat-Passband Microstrip Filter With Nonuniform- Dual-Mode Resonators. IEEE Microwave and Wireless Components Letters, 2016, 26, 183-185.	2.0	15
72	A Wideband Filtering Balanced-to-Unbalanced Out-of-Phase Power Divider. IEEE Microwave and Wireless Components Letters, 2018, 28, 870-872.	2.0	15

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73	An Electrically Steerable Parasitic Array Radiator in Package Based on Liquid Crystal. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2365-2369.	2.4	15
74	Fast Analytic Electromigration Analysis for General Multisegment Interconnect Wires. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 421-432.	2.1	15
75	Crosstalk Noise Suppression Between Single and Differential Transmission Lines Using Spoof Surface Plasmon Polaritons. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1367-1374.	1.4	15
76	A Wideband Differentially Fed Dual-Polarized Laminated Resonator Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 4148-4153.	3.1	15
77	Miniaturized Half-Mode T-Septum SIW Bandpass Filter With an Ultrawide Stopband. IEEE Microwave and Wireless Components Letters, 2021, 31, 853-856.	2.0	15
78	Average power handling capability of finite-ground thin-film microstrip lines over ultra-wide frequency ranges. IEEE Microwave and Wireless Components Letters, 2005, 15, 715-717.	2.0	14
79	Efficient Transient Thermal Simulation of ICs and Packages With Laguerre-Based Finite-Element Method. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 203-211.	1.4	14
80	A Novel Automatically Designed EBG Structure by Improved GA for Ultrawideband SSN Mitigation of System in Package. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 123-133.	1.4	14
81	A Fast Semi-Analytic Approach for Combined Electromigration and Thermomigration Analysis for General Multisegment Interconnects. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2021, 40, 350-363.	1.9	14
82	Accurate Detection of Doppler Cardiograms With a Parameterized Respiratory Filter Technique Using a K-Band Radar Sensor. IEEE Transactions on Microwave Theory and Techniques, 2023, 71, 71-82.	2.9	14
83	A new compact 1D PBG microstrip structure with wider stopband based on semiconductor substrate. Microwave and Optical Technology Letters, 2003, 39, 150-152.	0.9	13
84	Threeâ€pole crossâ€coupled substrateâ€integrated waveguide bandpass filters based on PCB process and multilayer LTCC technology. Microwave and Optical Technology Letters, 2009, 51, 71-73.	0.9	13
85	Embedded Planar EBG and Shorting Via Arrays for SSN Suppression in Multilayer PCBs. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1430-1433.	2.4	13
86	Overlapped optics induced perfect coherent effects. Scientific Reports, 2013, 3, 3569.	1.6	13
87	Cavity Model Analysis of a Dual-Probe-Feed Circular Microstrip Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 44-47.	2.4	13
88	A Balanced-to-Balanced Rat-Race Coupling Network Based on Defected Slots. IEEE Microwave and Wireless Components Letters, 2019, 29, 459-461.	2.0	13
89	A Slow Wave Ridged Half-Mode Substrate Integrated Waveguide With Spoof Surface Plasmon Polaritons. IEEE Transactions on Plasma Science, 2021, 49, 1818-1825.	0.6	13
90	A novel photonic band-gap microstrip structures for low-pass filters of wide stop-band. Microwave and Optical Technology Letters, 2003, 37, 470-472.	0.9	12

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91	Compact Tunable Bandpass Filter With a Fixed Out-of-Band Rejection Based on Hilbert Fractals. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 391-400.	1.4	12
92	Equivalent Surface Impedance-Based Mixed Potential Integral Equation Accelerated by Optimized $cal {H}$ -Matrix for 3-D Interconnects. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 22-34.	2.9	12
93	Experiments and Comparisons of Power to Failure for SiGe-Based Low-Noise Amplifiers Under High-Power Microwave Pulses. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1427-1435.	1.4	12
94	A Single-Ended-to-Balanced Impedance-Transforming Branch-Line Coupler With Arbitrary Power Division Ratio. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 949-956.	2.9	12
95	Mushroom-Type Ground Plane Structure for Wideband SSN Suppression in High-Speed Circuits. IEEE Microwave and Wireless Components Letters, 2011, 21, 646-648.	2.0	11
96	A New Compact Power Divider Based on Capacitor Central Loaded Coupled Microstrip Line. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4249-4256.	2.9	11
97	Implementation of New CMOS Differential Stacked Spiral Inductor for VCO Design. IEEE Microwave and Wireless Components Letters, 2007, 17, 727-729.	2.0	10
98	Diagnosis and tuning of filtering antenna based on extracted coupling matrix. , 2016, , .		10
99	Fast Nested Cross Approximation Algorithm for Solving Large-Scale Electromagnetic Problems. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3271-3283.	2.9	10
100	Modified FSIW Filter With N Transmission Zeros Using BCB-Based MEMS Technology. IEEE Microwave and Wireless Components Letters, 2019, 29, 520-522.	2.0	10
101	A Flat-Passband Predistorted Bandpass Filter With Folded Substrate Integrated Waveguide. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 324-328.	2.2	10
102	A Portable 5.8 GHz Dual Circularly Polarized Interferometric Radar Sensor for Short-Range Motion Sensing. IEEE Transactions on Antennas and Propagation, 2022, 70, 5849-5859.	3.1	10
103	Characteristic analysis of coupled HTS interconnects with two-dimensional FDTD. IEEE Microwave and Wireless Components Letters, 2001, 11, 33-35.	2.0	9
104	Parameters extraction and modeling for planar spiral inductor on Si-SiO/sub 2/ substrates by DDM for conformal modules. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 1763-1766.	2.9	9
105	Fast transient thermal simulation of 2.5-D packages on through silicon via interposer. , 2016, , .		9
106	A Compact 2-D WLP-FDTD Method for Superconducting Microstrip Lines. , 2018, , .		9
107	Dualâ€sleeve wideband monopole antenna for shipborne systems in VHF band. Electronics Letters, 2018, 54, 1102-1104.	0.5	9
108	Analysis on a 77 GHz MIMO Radar for Touchless Gesture Sensing. , 2020, , 1-1.		9

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109	Compact Fractional-Order Model of On-Chip Inductors With BCB on High Resistivity Silicon. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 878-886.	1.4	9
110	Optimization of global interconnects in high performance VLSI circuits. , 2006, , .		8
111	Modeling of carbon nanotube interconnects and comparative analysis with Cu interconnects. , 2006, , .		8
112	A New Power-Ground Plane Modeling Method With Rectangle and Triangle Segmentation. IEEE Transactions on Advanced Packaging, 2010, 33, 639-646.	1.7	8
113	Finite-Difference Analysis of Interconnects With Frequency-Dependent Parameters Based on Equivalent Circuit Models. IEEE Transactions on Advanced Packaging, 2010, 33, 457-467.	1.7	8
114	Compact quasi-elliptic bandpass filter based on folded ridge substrate integrated waveguide (FRSIW). , 2012, , .		8
115	Time-Domain Analysis of Noise Coupling Between Package and PCB Power/Ground Planes Based on WLP-FDTD. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 269-275.	1.4	8
116	High-Speed Interconnect System Using QPSK Scheme Based on Substrate Integrated Waveguide. Journal of Circuits, Systems and Computers, 2018, 27, 1850014.	1.0	8
117	Mitigation of Leakage and Stationary Clutters in Short-Range FMCW Radar With Hybrid Analog and Digital Compensation Technique. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 62-73.	2.9	8
118	Time-domain modeling of high-speed interconnects by modified method of characteristics. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 323-327.	2.9	7
119	Analysis of interconnects with frequency-dependent parameters by differential quadrature method. IEEE Microwave and Wireless Components Letters, 2005, 15, 877-879.	2.0	7
120	A Note on the Construction of Synthetic Basis Functions for Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2012, 60, 3509-3512.	3.1	7
121	A Generalized Transition Matrix Model for Open-Ended Cavity With Complex Internal Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 3920-3930.	3.1	7
122	Novel Surface Impedance Modeling for Broadband Parameter Extraction of 3-D Interconnects. IEEE Microwave and Wireless Components Letters, 2017, 27, 7-9.	2.0	7
123	Integration of S /Ka/D -Band Antennas in LTCC With a Cylindrical Radome for Triband Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 5781-5789.	3.1	7
124	Suppressing Coupling and Stationary Clutters in FMCW Radars with Temporal Filtering. , 2020, , .		7
125	Analytical Thermal Model for AlGaN/GaN HEMTs Using Conformal Mapping Method. IEEE Transactions on Electron Devices, 2022, 69, 2313-2318.	1.6	7
126	A PEEC with a new capacitance model for circuit simulation of interconnects and packaging structures. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 281-287.	2.9	6

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127	Numerical Dispersion Characteristics of the Three-dimensional Precise Integration Time-Domain Method. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	6
128	Design a PIFA with foldâ€type ground plane for dual frequency mobile phone. Microwave and Optical Technology Letters, 2008, 50, 2258-2262.	0.9	6
129	N+1 transmission zeros in Nth-order cross-coupled filter with mixed source and load coupling (MSLC). , 2009, , .		6
130	New Power Distribution Network Design Method for Digital Systems Using Time-Domain Transient Impedance. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 1399-1408.	1.4	6
131	A new quad-band Wilkinson power divider. Journal of Electromagnetic Waves and Applications, 2014, 28, 1622-1634.	1.0	6
132	Fast transient electro-thermal simulation of on-chip interconnects in the presence of ESD pulses. , 2015, , .		6
133	Active Integrated Dielectric Resonator Antenna-in-Package Design. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2414-2418.	2.4	6
134	A Compact 2-D Stochastic FDTD Method for Uncertainty Analysis in Superconducting Transmission Lines. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-7.	1.1	6
135	High Performance V2X Antennas Designed in Integrated Shark-fin Environment. , 2020, , .		6
136	Loop-Star Functions Including Multibranch Rao-Wilton-Glisson Basis Functions. IEEE Transactions on Antennas and Propagation, 2022, 70, 3910-3915.	3.1	6
137	DC IR-Drop Analysis of Power Distribution Networks by a Robin Transmission Condition-Enhanced Discontinuous Galerkin Method. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 89-99.	1.4	6
138	Average Power Handling Capability of Microstrip Lines Considering Heat Convection and Self-Heating Effects With Temperature-Dependent Resistivity. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 760-768.	1.4	6
139	An Interconnect Power Model Based on Parseval’s Relation for Fourier Series. , 0, , .		5
140	Design of multilayer triangular substrate integrated waveguide filter in LTCC. Microwave and Optical Technology Letters, 2009, 51, 2582-2585.	0.9	5
141	A New Systematic Method for the Modeling, Analysis, and Design of High-Speed Power-Delivery Networks by Using Distributed Port. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2940-2951.	2.9	5
142	Analysis and Optimization of Thermal-Driven Global Interconnects in Nanometer Design. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2011, 1, 1564-1572.	1.4	5
143	Signal-Integrity Optimization for Complicated Multiple-Input Multiple-Output Networks Based on Data Mining of S-Parameters. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 1184-1192.	1.4	5
144	High-Frequency Analysis of Intercalated Multilayer Graphene (IMLG) and Implication for Tunable Terahertz Resonator Design. IEEE Access, 2017, 5, 7532-7541.	2.6	5

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145	Hybrid cross approximation for electric field integral equation based scattering analysis. , 2017, , .		5
146	Ruggedness Characterization of Bonding Wire Arrays in LDMOSFET-Based Power Amplifiers. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1032-1041.	1.4	5
147	Mixed-Mode Property of Defected Ground Structure and Its Application in Balanced Network Design With Harmonic Suppression. IEEE Microwave and Wireless Components Letters, 2018, 28, 188-190.	2.0	5
148	A Broadband Transition from Substrate Integrated Coaxial Line to BGA. , 2018, , .		5
149	Theoretical and Experimental Investigation of HMSIW-Based High-Speed Data Transmission System Using QPSK Scheme. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1938-1947.	1.4	5
150	An Analytical Gradient Model for the Characterization of Conductor Surface Roughness Effects. , 2018, , .		5
151	High-Frequency Electrothermal Characterization of TSV-Based Power Delivery Network. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 2171-2179.	1.4	5
152	A General Method for Balanced-to-Unbalanced Filtering Out-of-Phase Power Divider Design. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2693-2700.	2.9	5
153	Ridged Substrate Integrated Coaxial Line for Wideband Millimeter-Wave Transmission. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2981-2988.	2.9	5
154	A Broadband 90Â° Balun With Low-Phase-Imbalance Performance Based on Periodic Slow Wave Structure. IEEE Transactions on Antennas and Propagation, 2021, 69, 4681-4687.	3.1	5
155	A 4D Gesture Sensing Technique based on Spatiotemporal Detection with a 60 GHz FMCW MIMO Radar. , 2021, , .		5
156	An Unconditionally Stable 2-D Stochastic WLP-FDTD Method for Geometric Uncertainty in Superconducting Transmission Lines. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-9.	1.1	5
157	PhysioChair: A Dual-Frequency Radar System for Noninvasive and Continuous Detection of Physiological Signatures. IEEE Sensors Journal, 2022, 22, 8224-8233.	2.4	5
158	Interferometric Motion Sensing With a Single-Channel Radar Sensor Based on a Novel Calibration-Free Phase Demodulation Technique. IEEE Microwave and Wireless Components Letters, 2022, 32, 807-810.	2.0	5
159	Parameter extraction for on-chip interconnects by double-image Green's function method combined with hierarchical algorithm. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 2416-2423.	2.9	4
160	Analytical delay models for RLC interconnects under ramp input. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2007, 2, 88-91.	0.6	4
161	A differential quadrature method for the transient analysis of multiconductor transmission lines. , 2008, , .		4
162	Equivalence Principle for Analyzing Steady-State Heat Conduction Problems. Numerical Heat Transfer, Part B: Fundamentals, 2011, 59, 226-244.	0.6	4

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