Er-Ping Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4792445/publications.pdf

Version: 2024-02-01

225 papers	4,244 citations	172207 29 h-index	133063 59 g-index
229 all docs	229 docs citations	229 times ranked	4556 citing authors

#	Article	IF	Citations
1	Contacts between Two- and Three-Dimensional Materials: Ohmic, Schottky, and pâ€“n Heterojunctions. ACS Nano, 2016, 10, 4895-4919.	7.3	308
2	Deep-learning-enabled self-adaptive microwave cloak without human intervention. Nature Photonics, 2020, 14, 383-390.	15.6	289
3	Fullâ€Polarization 3D Metasurface Cloak with Preserved Amplitude and Phase. Advanced Materials, 2016, 28, 6866-6871.	11.1	259
4	Performing optical logic operations by a diffractive neural network. Light: Science and Applications, 2020, 9, 59.	7.7	171
5	Ab initio study of electronic and optical behavior of two-dimensional silicon carbide. Journal of Materials Chemistry C, 2013, 1, 2131.	2.7	148
6	Adaptive Passivity-Based Control of dcâ€“dc Buck Power Converter With Constant Power Load in DC Microgrid Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2029-2040.	3.7	121
7	Development of the Three-Dimensional Unconditionally Stable LOD-FDTD Method. IEEE Transactions on Antennas and Propagation, 2008, 56, 3596-3600.	3.1	120
8	Investigation of SAR Reduction Using Flexible Antenna With Metamaterial Structure in Wireless Body Area Network. IEEE Transactions on Antennas and Propagation, 2018, 66, 3076-3086.	3.1	119
9	A 2.5-D Angularly Stable Frequency Selective Surface Using Via-Based Structure for 5G EMI Shielding. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 768-775.	1.4	118
10	A Broadband Fluorographene Photodetector. Advanced Materials, 2017, 29, 1700463.	11.1	110
11	Hyperbolic spoof plasmonic metasurfaces. NPG Asia Materials, 2017, 9, e428-e428.	3.8	97
12	Gradient Chiral Metamirrors for Spinâ€Selective Anomalous Reflection. Laser and Photonics Reviews, 2017, 11, 1700115.	4.4	89
13	Experimental Observation of Superscattering. Physical Review Letters, 2019, 122, 063901.	2.9	88
14	Realizing transmitted metasurface cloak by a tandem neural network. Photonics Research, 2021, 9, B229.	3.4	71
15	Dual-Band Dual Circularly Polarized Microstrip Antenna With Two Eccentric Rings and an Arc-Shaped Conducting Strip. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 834-837.	2.4	70
16	Ultrawideband chromatic aberration-free meta-mirrors. Advanced Photonics, 2020, 3, .	6.2	63
17	A Low-Profile Broadband Bandpass Frequency Selective Surface With Two Rapid Band Edges for 5G Near-Field Applications. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 670-676.	1.4	61
18	Valley Kink States and Topological Channel Intersections in Substrateâ€Integrated Photonic Circuitry. Laser and Photonics Reviews, 2019, 13, 1900159.	4.4	57

#	Article	IF	Citations
19	Designing an Efficient Multimode Environmental Sensor Based on Grapheneâ€“Silicon Heterojunction. Advanced Materials Technologies, 2017, 2, 1600262.	3.0	55
20	A circuit method to integrate metamaterial and graphene in absorber design. Optics Communications, 2014, 329, 76-80.	1.0	54
21	High-performance photodetectors based on two-dimensional tin(<scp>ii</scp>) sulfide (SnS) nanoflakes. Journal of Materials Chemistry C, 2018, 6, 10036-10041.	2.7	54
22	Concealing arbitrary objects remotely with multi-folded transformation optics. Light: Science and Applications, 2016, 5, e16177-e16177.	7.7	52
23	Highly efficient graphene-on-gap modulator by employing the hybrid plasmonic effect. Optics Letters, 2017, 42, 1736.	1.7	44
24	The study of few-layer graphene based Machâ^'Zehnder modulator. Optics Communications, 2014, 323, 49-53.	1.0	41
25	Tunable THz Multiband Frequency-Selective Surface Based on Hybrid Metalâ€“Graphene Structures. IEEE Nanotechnology Magazine, 2017, 16, 1132-1137.	1.1	41
26	A Novel Miniaturized Strong-Coupled FSS Structure With Excellent Angular Stability. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 38-45.	1.4	37
27	Dynamic recognition and mirage using neuro-metamaterials. Nature Communications, 2022, 13, 2694.	5.8	37
28	Design of Wideband Implantable Antenna for Wireless Capsule Endoscope System. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2706-2710.	2.4	34
29	Improved Slow Light Capacity In Graphene-based Waveguide. Scientific Reports, 2015, 5, 15335.	1.6	31
30	In Situ Customized Illusion Enabled by Global Metasurface Reconstruction. Advanced Functional Materials, 2022, 32, .	7.8	31
31	Largeâ€Scale Farâ€Infrared Invisibility Cloak Hiding Object from Thermal Detection. Advanced Optical Materials, 2015, 3, 1738-1742.	3.6	28
32	A Particle Swarm Optimization-Based Approach for Predicting Maximum Radiated Emission From PCBs With Dominant Radiators. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1197-1205.	1.4	28
33	Iteration-Free-Phase Retrieval for Directive Radiators Using Field Amplitudes on Two Closely Separated Observation Planes. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 607-610.	1.4	27
34	Toroidal Localized Spoof Plasmons on Compact Metadisks. Advanced Science, 2018, 5, 1700487.	5.6	27
35	Efficient Isolation of an MIMO Antenna Using Defected Ground Structure. Electronics (Switzerland), 2020, 9, 1265.	1.8	27
36	A Wideband Circular Polarization Implantable Antenna for Health Monitor Microsystem. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 848-852.	2.4	27

#	Article	IF	Citations
37	Hydrothermal synthesis and fast photoresponsive characterization of SnS2 hexagonal nanoflakes. Journal of Materials Science, 2019, 54, 2059-2065.	1.7	26
38	Support Vector Regression-Based Active Subspace (SVR-AS) Modeling of High-Speed Links for Fast and Accurate Sensitivity Analysis. IEEE Access, 2020, 8, 74339-74348.	2.6	26
39	Spurious-Free Dual-Band Bandpass Frequency-Selective Surfaces With Large Band Ratio. IEEE Transactions on Antennas and Propagation, 2019, 67, 1065-1072.	3.1	25
40	Miniaturized Polarization Insensitive Metamaterial Absorber Applied on EMI Suppression. IEEE Access, 2020, 8, 6583-6590.	2.6	25
41	A Graphene-Enhanced Fiber-Optic Phase Modulator With Large Linear Dynamic Range. IEEE Photonics Technology Letters, 2014, 26, 1867-1870.	1.3	24
42	Electrothermal Effects on Hot-Carrier Reliability in SOI MOSFETsâ€”AC Versus Circuit-Speed Random Stress. IEEE Transactions on Electron Devices, 2016, 63, 3669-3676.	1.6	24
43	A Novel Tunable Absorber Based on Vertical Graphene Strips. IEEE Microwave and Wireless Components Letters, 2016, 26, 10-12.	2.0	24
44	Type-I hyperbolic metasurfaces for highly-squeezed designer polaritons with negative group velocity. Nature Communications, 2019, 10, 2002.	5.8	24
45	Enhanced Photodetection Performance of Photodetectors Based on Indium-Doped Tin Disulfide Few Layers. ACS Applied Materials & Interfaces, 2021, 13, 35889-35896.	4.0	24
46	Design of Ultracompact Graphene-Based Superscatterers. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 130-137.	1.9	23
47	Diodelike Spin-Orbit Interactions of Light in Chiral Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 7148-7155.	3.1	23
48	Enhanced Photoresponse of Indium-Doped Tin Disulfide Nanosheets. ACS Applied Materials & Interfaces, 2020, 12, 2607-2614.	4.0	23
49	A Novel Package Lid Using Mushroom-Type EBG Structures for Unintentional Radiation Mitigation. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1882-1888.	1.4	21
50	Acetone Sensing Properties and Mechanism of Rh-Loaded WO3 Nanosheets. Frontiers in Chemistry, 2018, 6, 385.	1.8	21
51	Direct current remote cloak for arbitrary objects. Light: Science and Applications, 2019, 8, 30.	7.7	19
52	Visible Phototransistors Based on Vertical Nanolayered Heterostructures of SnS/SnS₂ pâ€“n and SnSe₂/SnS₂ nâ€“n Nanoflakes. ACS Applied Nano Materials, 2020, 3, 6847-6854.	2.4	19
53	Heterogeneous Transferâ€Learningâ€Enabled Diverse Metasurface Design. Advanced Optical Materials, 2022, 10, .	3.6	19
54	Circuit Modeling for RRAM-Based Neuromorphic Chip Crossbar Array With and Without Write-Verify Scheme. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1906-1916.	3.5	18

#	Article	IF	Citations
55	Broadband Janus Scattering from Tilted Dipolar Metagratings. Laser and Photonics Reviews, 2022, 16, .	4.4	18
56	Recent developments in graphene-based optical modulators. Frontiers of Optoelectronics, 2014, 7, 277-292.	1.9	17
57	A Compact Meander Line-Resonator Hybrid Structure for Wideband Common-Mode Suppression. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1255-1261.	1.4	17
58	PCB PDN Prelayout Library for Top-Layer Inductance and the Equivalent Model for Decoupling Capacitors. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1898-1906.	1.4	17
59	Comparative Study of Surrogate Modeling Methods for Signal Integrity and Microwave Circuit Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 1369-1379.	1.4	17
60	Hierarchical Attention-Based Machine Learning Model for Radiation Prediction of WB-BGA Package. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1972-1980.	1.4	16
61	Demonstration of Spiderâ€Eyesâ€Like Intelligent Antennas for Dynamically Perceiving Incoming Waves. Advanced Intelligent Systems, 2021, 3, 2100066.	3.3	16
62	Experimental Realization of an Extreme-Parameter Omnidirectional Cloak. Research, 2019, 2019, 8282641.	2.8	16
63	Electrothermal Investigation on Vertically Aligned Single-Walled Carbon Nanotube Contacted Phase-Change Memory Array for 3-D ICs. IEEE Transactions on Electron Devices, 2015, 62, 3258-3263.	1.6	15
64	Implementation of ultraâ€miniaturised frequencyâ€selective structures based on 2.5D convoluted segments. Electronics Letters, 2018, 54, 476-478.	0.5	14
65	Comparison of Machine Learning Techniques for Predictive Modeling of High-Speed Links. , 2019, , .		14
66	A novel heatsink with mushroom-type EBG structure for EMI radiation suppression. , 2018, , .		13
67	Angle-Insensitive Toroidal Metasurface for High-Efficiency Sensing. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1511-1517.	2.9	13
68	Low-Dispersion Leapfrog WCS-FDTD With Artificial Anisotropy Parameters and Simulation of Hollow Dielectric Resonator Antenna Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 5801-5811.	3.1	13
69	Design of Conformal Spiral Dual-Band Antenna for Wireless Capsule System. IEEE Access, 2021, 9, 117349-117357.	2.6	13
70	Cross-Diabolo Nanoantenna for Localizing and Enhancing Magnetic Field With Arbitrary Polarization. Journal of Lightwave Technology, 2012, 30, 829-833.	2.7	12
71	Scaling Analysis of High Gain Monolayer MoS₂Photodetector for Its Performance Optimization. IEEE Transactions on Electron Devices, 2016, 63, 1608-1614.	1.6	12
72	Machine learning for complex EMI prediction, optimization and localization. , 2017, , .		12

#	Article	IF	Citations
73	Dynamic Thermal Management for 3-D ICs With Time-Dependent Power Map Using Microchannel Cooling and Machine Learning. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1244-1252.	1.4	12
74	Electricalâ€“Thermal Cosimulation of Coaxial TSVs With Temperature-Dependent MOS Effect Using Equivalent Circuit Models. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2247-2256.	1.4	12
75	A Novel Miniaturized Multiband Strong Coupled-FSS Structure Insensitive to Almost All Angles and All Polarizations. IEEE Transactions on Antennas and Propagation, 2021, 69, 8470-8478.	3.1	12
76	Electromagnetic and Thermal Characteristics of Graphite for Radiation Suppression in Wire-Bonded Package Heat Sink. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1445-1453.	1.4	11
77	EMI Radiation Prediction and Structure Optimization of Packages by Deep Learning. IEEE Access, 2019, 7, 93772-93780.	2.6	11
78	Investigation of Leaky-Wave Antenna With Stable Wide Beam-Scanning Characteristic. IEEE Transactions on Antennas and Propagation, 2022, 70, 240-249.	3.1	11
79	Experimental Characterization of Radio Channel in Ruins Environment. IEEE Antennas and Wireless Propagation Letters, 2015, , 1-1.	2.4	10
80	Three-dimensional tunable frequency selective surface based on vertical graphene micro-ribbons. Journal of Electromagnetic Waves and Applications, 2015, 29, 2130-2138.	1.0	10
81	A Shielding Structure for Crosstalk Reduction in Silicon Interposer. IEEE Microwave and Wireless Components Letters, 2016, 26, 246-248.	2.0	10
82	Non-contact radio frequency shielding and wave guiding by multi-folded transformation optics method. Scientific Reports, 2016, 6, 36846.	1.6	10
83	Miniaturised FSS structure with excellent angular stability based on strong coupling for millimetreâ€wave communication. Electronics Letters, 2018, 54, 511-513.	0.5	10
84	High-Speed Link Design Optimization Using Machine Learning SVR-AS Method. , 2020, , .		10
85	Analysis of Multilayer Structure Near- and Far-Field Radiation by the Coupled PP-PEEC and Field-Equivalence Principle Method. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 495-503.	1.4	9
86	Deep Learning Method for Prediction of Planar Radiating Sources from Near-Field Intensity Data. , 2019, , .		9
87	Conformal Subgridding and Application to One-Eighth Spherical Shell Dielectric Resonator Antenna Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 4459-4468.	3.1	9
88	A Full-Parameter, Broadband, Homogeneous, and Compact Waveguide Coupler Designed With Transformation Optics. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 634-637.	2.4	8
89	Improved Hybrid Leapfrog ADI-FDTD Method for Simulating Near-Field Coupling Effects Among Multiple Thin Wire Monopole Antennas on a Complex Platform. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 618-626.	1.4	8
90	An Active Absorber Based on Nonvolatile Floating-Gate Graphene Structure. IEEE Nanotechnology Magazine, 2017, 16, 189-195.	1.1	8

#	Article	IF	Citations
91	Independent Bifocal Metalens Design Based on Deep Learning Algebra. IEEE Photonics Technology Letters, 2021, 33, 403-406.	1.3	8
92	A Novel Miniaturized Ultra-Wideband Frequency Selective Surface With Rapid Band Edge. IEEE Access, 2021, 9, 161854-161861.	2.6	8
93	Design and Analysis of a Novel Compact Metamaterial Absorber Based on Double-Layer ITO Resistive Film for Improving Signal Integrity. IEEE Access, 2022, 10, 24067-24079.	2.6	8
94	PDN Impedance Modeling for Multiple Through Vias Array in Doped Silicon. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 1202-1209.	1.4	7
95	Prediction of PCB radiated emission in shielding cavity using equivalent dipole modeling. , 2015, , .		7
96	Implementation of convolutional perfectly matched layer for threeâ€dimensional hybrid implicitâ€explicit finiteâ€difference timeâ€domain method. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21741.	0.8	7
97	Spoof Surface Plasmonic Graphene for Controlling the Transports and Emissions of Electromagnetic Waves. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 50-56.	2.9	7
98	Applications of anisotropic oneâ€step leapfrog HIEâ€FDTD method in microwave circuit and antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22151.	0.8	7
99	Low-Profile Metasurface-Based Diaphragm for Compartment Shielding of Microwave Cavities. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2048-2059.	2.9	7
100	Modeling and Signal Integrity Analysis of RRAM-Based Neuromorphic Chip Crossbar Array Using Partial Equivalent Element Circuit (PEEC) Method. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3490-3500.	3.5	7
101	Reconfigurable Parallel Plasmonic Transmission Lines With Nanometer Light Localization and Long Propagation Distance. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 4601809-4601809.	1.9	6
102	Radio frequency propagation characteristics in disaster scenarios. , 2014, , .		6
103	A novel semi-analytical solution of impedance of grid-type power distribution network. , 2015, , .		6
104	Wide-Band Modeling On-Chip Spiral Inductors Using Frequency-Dependent Conformal ADI-FDTD Method. IEEE Access, 2019, 7, 184940-184949.	2.6	6
105	Magnetic Metamirrors as Spatial Frequency Filters. IEEE Transactions on Antennas and Propagation, 2020, 68, 5505-5511.	3.1	6
106	A novel continuous control set model predictive control to guarantee stability and robustness for buck power converter in DC microgrids. Energy Reports, 2021, 7, 1400-1415.	2.5	6
107	Analysis of signal transmission along graphene-based interconnect structures. , 2013, , .		5
108	Ultra-compact graphene-embedded optical phase modulators. , 2014, , .		5

#	Article	IF	Citations
109	Electrical-thermal co-analysis of through silicon via with equivalent circuit model. , 2017, , .		5
110	Large modulation capacity in graphene-based slot modulators by enhanced hybrid plasmonic effects. Scientific Reports, 2018, 8, 16830.	1.6	5
111	Equivalent Inductance Analysis and Quantification for PCB PDN Design. , 2019, , .		5
112	Diffusion Barrier Prediction of Graphene and Boron Nitride for Copper Interconnects by Deep Learning. IEEE Access, 2020, 8, 210542-210549.	2.6	5
113	Design of One-Eighth Spherical Dielectric Resonator Antenna for 5G Applications. IEEE Access, 2020, 8, 9480-9487.	2.6	5
114	Improved Leapfrog LOD-FDTD Method With Controlling Parameters. IEEE Microwave and Wireless Components Letters, 2022, 32, 269-272.	2.0	5
115	An Artificial Neural Network Model for Electro-Thermal Effect Affected Hot Carrier Injection Reliability in 14-nm FinFETs. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 4827-4834.	2.9	5
116	Dispersion-tunable photonic topological waveguides. Applied Physics Letters, 2022, 121, .	1.5	5
117	A Novel Hybrid Analytical Method for Impedance Calculation of Power and Ground Planes. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 949-955.	1.4	4
118	Intelligent Traffic Guidance System Based on Dynamic Toll Collection Policy. , 2014, , .		4
119	Near-Field Radiation Estimation and Its Reduction Using a Novel EBG for PCB. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 329-335.	1.4	4
120	Lumped 3-D Equivalent Thermal Circuit Model for Transient Thermal Analysis of TSV Array. , 2019, , .		4
121	Optimization of Graphene-Based Slot Waveguides for Efficient Modulation. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-5.	1.9	4
122	Efficient Nonlinear Behavior Modeling Method for Voltage-Variable Capacitors. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 462-470.	1.4	4
123	Design of resistor-loaded coding metasurface for independent amplitude and phase control. Journal of Electromagnetic Waves and Applications, 2021, 35, 1575-1586.	1.0	4
124	Electromagnetic Radiation in the Range of GHz of Integrated Circuit Package with Heat Sink. , 2021, , .		4
125	Investigation of Axial Mode Dielectric Helical Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 3806-3811.	3.1	4
126	Ultrathin, Electrically Small Noise Suppression Sheet for Microwave Cavities of 3-D Integrated Circuits: Design Methodology and Realization. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1157-1168.	2.9	4

#	Article	IF	Citations
127	Au/SnS₂/Al Schottky Structure for High Detectivity and Low Dark Current Visible Light Detector. IEEE Electron Device Letters, 2022, 43, 76-79.	2.2	4
128	A robust passivity based model predictive control for buck converter suppling constant power load. Energy Reports, 2021, 7, 792-813.	2.5	4
129	A novel imaging method for the impedance calculation of power and ground planes. , 2011, , .		3
130	Modeling and characterization of Joule heating in metal core of TSV. , 2014, , .		3
131	Investigation of the attenuation characteristics of radio signal in ruins. , 2015, , .		3
132	Frequency-Response-Oriented Design and Optimization of N+ Diffusion Guard Ring in Lightly Doped CMOS Substrate. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 481-487.	1.4	3
133	Quantification of EMI for power-ground plane and novel EBG structure for SSN suppression. , 2018, , .		3
134	First principles calculation of effect of graphene coating on transmission coefficient of Cu thin film with low surface roughness. Journal of Applied Physics, 2019, 125, .	1.1	3
135	Investigation of Localizing Precise Human Abdomen Models for Wireless Capsule Endoscopy Antenna Design. IEEE Transactions on Antennas and Propagation, 2022, 70, 1367-1379.	3.1	3
136	Fast Prediction for Electromagnetic Shielding Effectiveness of Ground-Via Distribution of SiP by Convolutional Neural Network. , 2021, , .		3
137	Impact of multiple radiation leak paths on shielding effectiveness of ground vias in conformal-shielded SiP. , 2020, , .		3
138	Fast Calculation of PCB Electromagnetic Radiation Using 1D Boundary Integration. , 2021, , .		3
139	Improved convolutional perfectly matched layer with auxiliary differential equation for the weakly conditionally stable finiteâ€difference timeâ€domain method. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	0.8	3
140	An efficient dipole array model for the accurate prediction of antennas radiation pattern. , 2012, , .		2
141	Full RLGC model extraction of Through Silicon Via (TSV) with charge distribution effects. Journal of Electromagnetic Waves and Applications, 2014, 28, 1596-1609.	1.0	2
142	Optimization for cooperative spectrum sensing with energy detection in disaster environment. , 2015, , .		2
143	The investigation of frequency modulation in voltage-controlled oscillator due to low frequency interference from supply voltage. , 2015, , .		2
144	Improved hybrid leapfrog ADI-FDTD method for simulating complex electromagnetic environment effects (E3) on a warship with multi-wire antennas. , 2016, , .		2

#	Article	IF	Citations
145	Modeling and measurement of a novel shielding design in silicon interposer. , 2016, , .		2
146	A transparent broadband absorber based on graphene. , 2016, , .		2
147	On signal-strength-of-arrival based localization with unknown transmit power. , 2017, , .		2
148	Mitigation of unintentional radiation from the package lid using PMC packaging. , 2017, , .		2
149	Design of a novel 2.5-dimensional wideband frequency selective surface with stable perfomance for fifth generation communications. , 2017, , .		2
150	A circular-shaped perfectly matched layer strategy for rectangular FDTD grids. , 2017, , .		2
151	Sliding Mode Control of Parallel-Connected DC-DC Buck Power Converters in DC Microgrid Systems. , 2018, , .		2
152	Modeling and Analysis for MOS Capacitance of TSV Considering Temperature Dependence. , 2019, , .		2
153	A novel electromagnetic bandgap design applied for suppression of printed circuit board electromagnetic radiation. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e21990.	0.8	2
154	Expedient Prediction of Eye Opening of High-Speed Links with Input Design Space Dimensionality Reduction. , 2020, , .		2
155	Electromagnetic Shielding Analysis of Different Grounded Bump Distribution in SiP. , 2021, , .		2
156	First-principles investigation of copper diffusion barrier performance in defective 2D layered materials*. Nanotechnology, 2022, 33, 165201.	1.3	2
157	A Neuro-Space Mapping Method for Harmonic Interference Prediction of SOIFET Radio Frequency Switches. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1117-1123.	1.4	2
158	Dual-band bandpass filter using centrally coupled resonators (CCRs). Journal of Electromagnetic Waves and Applications, 2013, 27, 1059-1067.	1.0	1
159	An efficient hybrid hot-spotting and optimization method for radiated emission compliance check. , 2015, , .		1
160	A tunable wideband absorber based on periodic resistive patterned graphene. , 2015, , .		1
161	P-minus substrate guard ring modeling for the purpose of noise isolation in CMOS substrates. , 2015, , .		1
162	A hybrid domain decomposition and optimization method for predicting electromagnetic emissions from printed circuit boards. Journal of Electromagnetic Waves and Applications, 2015, 29, 1082-1092.	1.0	1

#	Article	IF	Citations
163	Investigation of shorting vias for suppressing common-mode radiation in different frequency range. , 2016, , .		1
164	Plasmonic transmission lines with zero crosstalk. , 2016, , .		1
165	2.5D methodologies for electronic package and PCB modeling: Review and latest development. , 2016, , .		1
166	Signal transmission along Cu-graphene heterogeneous interconnects. , 2016, , .		1
167	Modeling and Optimization of Substrate Electromagnetic Coupling and Isolation in Modern Lightly Doped CMOS Substrate. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 662-669.	1.4	1
168	Photodetectors: A Broadband Fluorographene Photodetector (Adv. Mater. 22/2017). Advanced Materials, 2017, 29, .	11.1	1
169	Application of resistive graphene lid for suppressing radiation emission in WB-BGA package. , 2017, , .		1
170	A Novel FSS Structure with Great Insensitivity to Incident Angles for High Performance Millimeter Wave Communication Radome. , 2018, , .		1
171	Machine Learning for 3D-IC Electric-Thermal Simulation and Management. , 2018, , .		1
172	Multiphysics Modeling and Simulation of Carrier Dynamics and Thermal Transport in Monolayer MoS2/WSe2 Heterojunction. IEEE Transactions on Electron Devices, 2018, 65, 4542-4547.	1.6	1
173	A Coplanar Waveguide Fed Tri-Band Antenna Based on Circular Ring Structure. , 2018, , .		1
174	A Wideband Millimeter Wave Antenna Based on SIW for 5G. , 2019, , .		1
175	A Dual-Band Antenna Array with High Gain and Miniaturized Structure. , 2019, , .		1
176	The Method of Locating Electromagnetic Radiation Source in Wire Bonded Ball Grid Array Package. , 2019, , .		1
177	Investigation of Multilayer Print Circuit Board Probe With Temperature Compensation for Ultra-Wideband Near-Field Measurement. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 840-847.	1.4	1
178	Cubic latticeâ€based spherical uniaxial perfectly matched layer for the FDTD method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2621.	1.2	1
179	Terahertz Metasurface Design with Arbitrary Hexagon Patterns Based on Deep Learning. , 2021, , .		1
180	Metantenna design with <scp>oneâ€dimensional</scp> holographic concept. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, mmce22536.	0.8	1

#	Article	IF	Citations
181	Frequency optimization of permeability metamaterial for enhanced resolution. Applied Optics, 2019, 58, 3200.	0.9	1
182	Analysis of a Novel Resistive Film Absorber for Suppression of Electromagnetic Radiation in System-in-Packages. International Journal of Antennas and Propagation, 2022, 2022, 1-15.	0.7	1
183	A Circuit Model for Electromagnetic Suppressing Spurious Noise of Synchronous DC-DC Buck Convertor. , 2021, , .		1
184	Decision Feedback Equalizer (DFE) Taps Estimation with Machine Learning Methods. , 2021, , .		1
185	Wideband Compartment Shielding Technique for Miniaturized Packages Based on Electrically Small Single-Negative Meta-Diaphragm. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3498-3510.	2.9	1
186	A novel method for low impedance design of power and ground planes. , 2011, , .		0
187	Integral Equation Technique for the Simulation of Signal Integrity and Power Integrity. Frequenz, 2011, 65, .	0.6	0
188	Electrical characteristics of graphene for nano-sized coplanar waveguide. , 2011, , .		0
189	Nanomaterial in microwave and millimeterwave engineering research in China. , 2014, , .		0
190	An iterative source reconstruction based method for radiated emissions prediction from PCBs. , 2015, , .		0
191	A novel three dimensional tunable frequency selective surface based on graphene micro-ribbons. , 2015, , .		0
192	Terahertz modulator based on graphene-embedded waveguide. , 2016, , .		0
193	The investigation of the substrates noise suppression using guard rings in CMOS technology. , 2016, , .		0
194	Conformal FDTD method for simulating the interaction of an EMP with multiple PEC/dielectric wedge structures. , 2016, , .		0
195	Noise analysis in injection locked frequency divider using frequency modulation. , 2016, , .		0
196	A tunable antenna based on loaded graphene sheets for GHz applications. , 2016, , .		0
197	Large slow light capacity in graphene-based grating waveguide. , 2016, , .		0
198	Investigation of electrical discontinuity in flip-chip package. , 2017, , .		0

#	Article	IF	Citations
199	A TE/TM independent polarizer based on graphene interferometer. , 2017, , .		0
200	A graphene-on-gap modulator with high modulation efficiency. , 2017, , .		0
201	Multiphysics modeling and simulation of ultra-thin channel Germanium on insulator (GeOI) MOSFETs. , 2017, , .		0
202	A broadband and tunable absorber with non-volatile floating-gate graphene structure. , 2017, , .		0
203	A compact microstrip antenna with four operating frequency points. , 2017, , .		0
204	A miniaturized quad-band printed antenna. , 2017, , .		0
205	Design of Dual Frequency Antenna Fed by Coplanar Waveguide. , 2018, , .		0
206	A Compact Tri - Band Printed Antenna Design. , 2018, , .		0
207	An Investigation of Electric Resistance of Graphene-Coated Copper Thin Film from First Principles. , 2018, , .		0
208	EMI prediction of packages by deep neural network. , 2018, , .		0
209	An integrated UHF/UWB tag antenna with radome for indoor positioning system. , 2018, , .		0
210	An offset surface to reduce radar cross section for airborne antenna outâ€band. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21924.	0.8	0
211	Electron Transport in Graphene-Versus Al/Pd-Coated Thin Cu Films With Low-Surface Roughness: A First Principles Study. IEEE Access, 2019, 7, 84858-84865.	2.6	0
212	High Performance 5G Antenna Radome Based on Absorptive Meta-surface. , 2019, , .		0
213	Efficient Implementation of the CPML in 3-D Hybrid Implicit-Explicit FDTD Method. , 2019, , .		0
214	Stop band blocking window modeling with energy absorber in 5G midâ€band cellular communications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22533.	0.8	0
215	Design of the Addressable Test Structure for ${S}$ -Parameter-Based RF Device Characterization. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2122-2131.	2.9	0
216	A Compact Ultra-Wideband Polarization-Insensitive Metamaterial Absorber at 5G Millimeter Wave Band. , 2020, , .		0

#	Article	IF	Citations
217	An Efficient Nonlinear Capacitance Model for SOIFET Used as A Switch. , 2021, , .		0
218	Nonlinear Modeling of RF Switch Based on COMSOL Parameter Extraction. , 2021, , .		0
219	Ultra Sharp Curved Waveguide Design based on Topology Optimization. , 2021, , .		0
220	Ultra Sharp Curved Waveguide Design based on Topology Optimization. , 2021, , .		0
221	A Miniaturized Ultra-wideband Resistive Film Absorber for Radiation Suppression. , 2021, , .		0
222	Electromagentic Impact of Parasitic Effects on the STDP Characteristics in Neuromorphic Memristor Crossbar Arrays. , 2021, , .		0
223	Electromagnetic Impact of Interconnect Resistance on STDP Characteristics in Neuromorphic Crossbar Array. , 2022, , .		0
224	Electromagnetic Coupling between Power Distribution Network and On-chip Inductors in Package. , 2022, , .		0
225	Symmetry Enhanced Network Architecture Search for Complex Metasurface Design. IEEE Access, 2022, 10, 73533-73547.	2.6	0