

Li Jun Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9601717/publications.pdf>

Version: 2024-02-01

256
papers

4,118
citations

117453

34
h-index

168136

53
g-index

260
all docs

260
docs citations

260
times ranked

2873
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Data-Driven Modeling Method for the Spatial-Temporal Correlated Complex Sea Clutter. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	5
2	Decoupling and Matching Network for Dual-Band MIMO Antennas. IEEE Transactions on Antennas and Propagation, 2022, 70, 1764-1775.	3.1	24
3	Novel CMA Scheme to Design Self-Decoupled MIMO Dipole Pair for Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 2480-2489.	3.1	10
4	Improvement for MIMO Systems by Increasing Antenna Isolation and Shaping Radiation Pattern Using Hybrid Network. IEEE Transactions on Industrial Electronics, 2022, 69, 13891-13901.	5.2	8
5	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
6	An Explicit Time-Domain Finite-Element Boundary Integral Method for Analysis of Electromagnetic Scattering. IEEE Transactions on Antennas and Propagation, 2022, 70, 6089-6094.	3.1	5
7	Design of Wideband Decoupling Networks for MIMO Antennas Based on an N -Ary Optimization Algorithm. IEEE Transactions on Vehicular Technology, 2022, 71, 5246-5258.	3.9	4
8	Graphene Based Tunable Terahertz Holographic Antennas. IEEE Open Journal of Antennas and Propagation, 2022, 3, 324-332.	2.5	8
9	Optimization of High-Speed Channel for Signal Integrity With Deep Genetic Algorithm. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1270-1274.	1.4	12
10	Novel Data-Driven Spatial-Spectral Correlated Scheme for Dimensionality Reduction of Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3877-3890.	2.3	2
11	Parallel Higher Order DGT and FETD for Transient Electromagnetic-Circuit-Thermal Co-Simulation. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2935-2947.	2.9	14
12	Improved A-EFIE System for Electromagnetic Simulation in Low Frequency Regime. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1752-1756.	2.4	0
13	A Novel Dipole Configuration With Improved Out-of-Band Rejection and its Applications in Low-Profile Dual-Band Dual-Polarized Stacked Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 3517-3522.	3.1	20
14	Modeling and analysis of microstrip annular ring antenna with capacitive coupling matching network. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22507.	0.8	2
15	Hybrid Beamforming With Deep Learning for Large-Scale Antenna Arrays. IEEE Access, 2021, 9, 54690-54699.	2.6	3
16	DATA-DRIVEN IDENTIFICATION OF GOVERNING PARTIAL DIFFERENTIAL EQUATIONS FOR THE TRANSMISSION LINE SYSTEMS. Progress in Electromagnetics Research C, 2021, 108, 23-36.	0.6	0
17	A Cascaded Power Dividing Decoupling Network for Antennas with Distinct Frequency Bands. , 2021, , .		0
18	A Novel Demultiplexing Scheme for Vortex Beams in Radio Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 7243-7248.	3.9	9

#	ARTICLE	IF	CITATIONS
19	Joint Inversion of Audio-Magnetotelluric and Seismic Travel Time Data With Deep Learning Constraint. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7982-7995.	2.7	34
20	A novel reduced-order method for analysis of hyperspectral images. IOP Conference Series: Earth and Environmental Science, 2021, 865, 012027.	0.2	0
21	Approaching the Fundamental Limit of Orbital-Angular-Momentum Multiplexing Through a Hologram Metasurface. Physical Review Applied, 2021, 16, .	1.5	15
22	Multi-polarization phase retrieval in near field far-field transformation. , 2021, , .		0
23	Design of Dual-band Decoupling Network for Two Antennas. , 2021, , .		1
24	A Miniaturized Dual-Band Dual-Polarized Band-Notched Slot Antenna Array With High Isolation for Base Station Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 795-804.	3.1	46
25	A Novel Subdomain 2D/Q-2D Finite Element Method for Power/Ground Plate-Pair Analysis. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2217-2226.	1.4	1
26	Machine-Learning-Based Hybrid Method for the Multilevel Fast Multipole Algorithm. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2177-2181.	2.4	13
27	Second-harmonic generation of structured light by transition-metal dichalcogenide metasurfaces. Physical Review A, 2020, 102, .	1.0	4
28	A General and Systematic Method to Design Neutralization Lines for Isolation Enhancement in MIMO Antenna Arrays. IEEE Transactions on Vehicular Technology, 2020, 69, 6242-6253.	3.9	57
29	A Novel Data-Driven Scheme for the Ship Wake Identification on the 2-D Dynamic Sea Surface. IEEE Access, 2020, 8, 69593-69600.	2.6	11
30	DC IR-Drop Analysis of Multilayered Power Distribution Network by Discontinuous Galerkin Method With Thermal Effects Incorporated. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1035-1042.	1.4	10
31	A Novel Calculation Method to Design Parasitic Decoupling Technique for Two Antennas. IEEE Access, 2020, 8, 116041-116051.	2.6	5
32	A Novel Wideband Decoupling Network for Two Antennas Based on the Wilkinson Power Divider. IEEE Transactions on Antennas and Propagation, 2020, 68, 5082-5094.	3.1	51
33	A Novel Data-Driven Analysis Method for Electromagnetic Radiations Based on Dynamic Mode Decomposition. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1443-1450.	1.4	12
34	Enhanced PML Based on the Long Short Term Memory Network for the FDTD Method. IEEE Access, 2020, 8, 21028-21035.	2.6	19
35	Numerical simulation of a coupled system of Maxwell equations and a gas dynamic model. Journal of Computational Physics, 2020, 409, 109354.	1.9	3
36	Numerical Methods for Electromagnetic Modeling of Graphene: A Review. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 44-58.	1.4	17

#	ARTICLE	IF	CITATIONS
37	Coexistence of pseudospin- and valley-Hall-like edge states in a photonic crystal with C_3 symmetry. Physical Review Research, 2020, 2, .	3.3	36
38	Enhanced Deep Learning Approach Based on the Deep Convolutional Encoder-Decoder Architecture for Electromagnetic Inverse Scattering Problems. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1211-1215.	2.4	48
39	A Novel Dual-Band Decoupling Technique. IEEE Transactions on Antennas and Propagation, 2020, 68, 6923-6934.	3.1	20
40	ELECTROMAGNETIC-CIRCUITAL-THERMAL MULTIPHYSICS SIMULATION METHOD: A REVIEW (INVITED). Progress in Electromagnetics Research, 2020, 169, 87-101.	1.6	17
41	Local orbital-angular-momentum dependent surface states with topological protection. Optics Express, 2020, 28, 14428.	1.7	10
42	A Compact Dual-Frequency Base-Station Dipole Array with AMC Reflector. , 2019, , .		0
43	Compact Endfire Coupled-Mode Patch Antenna With Vertical Polarization. IEEE Transactions on Antennas and Propagation, 2019, 67, 5885-5891.	3.1	17
44	Two-Step Enhanced Deep Learning Approach for Electromagnetic Inverse Scattering Problems. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2254-2258.	2.4	83
45	A Novel Data-Driven Analysis Method For Nonlinear Electromagnetic Radiations Based On Dynamic Mode Decomposition. , 2019, , .		3
46	Generation of Orbital Angular Momentum in 3D Photonic Crystals. , 2019, , .		0
47	The Decoupling Methods for Increasing the Isolation between Two Antennas. , 2019, , .		1
48	Quasi-Continuous Metasurfaces for Orbital Angular Momentum Generation. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 477-481.	2.4	37
49	A COMPACT SINGLE-ELEMENT PATTERN RECONFIGURABLE ANTENNA WITH WIDE-ANGLE SCANNING TUNED BY A SINGLE VARACTOR. Progress in Electromagnetics Research C, 2019, 92, 137-150.	0.6	10
50	Applying Deep Learning Approach to the Far-Field Subwavelength Imaging Based on Near-Field Resonant Metalens at Microwave Frequencies. IEEE Access, 2019, 7, 63801-63808.	2.6	23
51	Novel and Efficient Parasitic Decoupling Network for Closely Coupled Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 3574-3585.	3.1	92
52	Prism-Based DGTD With a Simplified Periodic Boundary Condition to Analyze FSS With D_{2n} Symmetry in a Rectangular Array Under Normal Incidence. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 771-775.	2.4	28
53	Analysis of Sea Clutter Using Dynamic Mode Decomposition. , 2019, , .		1
54	Machine-Learning-Based PML for the FDTD Method. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 192-196.	2.4	51

#	ARTICLE	IF	CITATIONS
55	Analysis of electromagnetic vortex beams using modified dynamic mode decomposition in spatial angular domain. Optics Express, 2019, 27, 27702.	1.7	14
56	A Straightforward Updating Criterion for 2-D/3-D Hybrid Discontinuous Galerkin Time-Domain Method Controlling Comparative Error. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1713-1722.	2.9	11
57	Electrically tunable polarizer based on graphene-loaded plasmonic cross antenna. Journal of Physics Condensed Matter, 2018, 30, 144007.	0.7	8
58	Detection of Orbital Angular Momentum With Metasurface at Microwave Band. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 110-113.	2.4	51
59	Beam Scanning Realized by Coupled Modes in a Single-Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1077-1080.	2.4	26
60	Half-Mode Cavity-Based Planar Filtering Antenna With Controllable Transmission Zeroes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 833-836.	2.4	56
61	Fast Direct Equivalence Principle Algorithm for Multi-scale Electromagnetic Problems. , 2018, , .		0
62	Machine Learning Based Neural Network Solving Methods for the FDTD Method. , 2018, , .		23
63	APPLYING CONVOLUTIONAL NEURAL NETWORKS FOR THE SOURCE RECONSTRUCTION. Progress in Electromagnetics Research M, 2018, 76, 91-99.	0.5	15
64	Machine Learning Based Multilevel Fast Multipole Algorithm. , 2018, , .		1
65	Dual-Band Filtering Antenna With Novel Transmission Zero Characteristics. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2469-2473.	2.4	29
66	Model Order Reduction Schemes in Solving Multi-Scale Electromagnetic Problems. , 2018, , .		0
67	Theory of Potential-Based Integral-Form $A\vec{\Gamma}$ Formulation in Electromagnetic Applications. , 2018, , .		0
68	Orbital Angular Momentum Generation Using Composite Quasi-Continuous Metasurfaces with Perfect Efficiency. , 2018, , .		0
69	Blazed Metasurface Grating with Handedness Preservation for Circularly Polarized Incident Wave. , 2018, , .		2
70	A Wideband 2-D Fast Multipole Algorithm With a Novel Diagonalization Form. IEEE Transactions on Antennas and Propagation, 2018, 66, 7477-7482.	3.1	1
71	On-Demand Band-Rejected Wideband Antenna Based on Peelable Resonator Membrane. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2339-2343.	2.4	1
72	Analysis of nonlinear graphene plasmonics using surface integral equations. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
73	Generation of Orbital Angular Momentum by a Point Defect in Photonic Crystals. Physical Review Applied, 2018, 10, .	1.5	24
74	Discontinuous Galerkin Time-Domain Modeling of Graphene Nanoribbon Incorporating the Spatial Dispersion Effects. IEEE Transactions on Antennas and Propagation, 2018, 66, 3590-3598.	3.1	18
75	Orbital Angular Momentum Generation and Detection by Geometric-Phase Based Metasurfaces. Applied Sciences (Switzerland), 2018, 8, 362.	1.3	73
76	An Efficient Mode-Based Domain Decomposition Hybrid 2-D/Q-2D Finite-Element Time-Domain Method for Power/Ground Plane-Pair Analysis. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4357-4366.	2.9	10
77	Low-Profile Diplexing Filter/Antenna Based on Common Radiating Cavity With Quasi-Elliptic Response. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1783-1787.	2.4	34
78	Circuitry design and magnetic susceptibility evaluation of 7T fMRI implantable RF coil. , 2018, , .		1
79	Transient Heterogeneous Electromagnetic Simulation With DGTD and Behavioral Macromodel. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1152-1160.	1.4	33
80	Multiphysics simulation of the material removal process in pulse electrochemical machining (PECM). International Journal of Advanced Manufacturing Technology, 2017, 91, 2455-2464.	1.5	24
81	The Error Control of Mixed-Form Fast Multipole Algorithm Based on the High-Order Multipole Rotation. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1655-1658.	2.4	6
82	A unified Hamiltonian solution to Maxwell's Schrödinger equations for modeling electromagnetic field-particle interaction. Computer Physics Communications, 2017, 215, 63-70.	3.0	23
83	Volterra Series-Based Time-Domain Macromodeling of Nonlinear Circuits. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 39-49.	1.4	13
84	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
85	A Collimated Surface-Wave-Excited High-Impedance Surface Leaky-Wave Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2082-2085.	2.4	11
86	Discontinuous Galerkin Time-Domain Analysis of Power-Ground Planes Taking Into Account Decoupling Capacitors. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1476-1485.	1.4	8
87	Surface waves extraction and their effect on effective material parameters of metamaterials. , 2017, , .		0
88	Novel complementary metasurfaces for the orbital angular momentum generation. , 2017, , .		1
89	Inductance Extraction for PCB Prelayout Power Integrity Using PMSR Method. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1339-1346.	1.4	21
90	Quantifying EMI: A Methodology for Determining and Quantifying Radiation for Practical Design Guidelines. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1424-1432.	1.4	30

#	ARTICLE	IF	CITATIONS
91	The Derived Equivalent Circuit Model for Magnetized Anisotropic Graphene. IEEE Transactions on Antennas and Propagation, 2017, 65, 948-953.	3.1	20
92	Machine learning based method of moments (ML-MoM). , 2017, , .		23
93	Fast monostatic scattering analysis based on Bayesian compressive sensing. , 2017, , .		0
94	Mixing of spin and orbital angular momenta via second-harmonic generation in plasmonic and dielectric chiral nanostructures. Physical Review B, 2017, 95, .	1.1	25
95	Ultrathin Complementary Metasurface for Orbital Angular Momentum Generation at Microwave Frequencies. IEEE Transactions on Antennas and Propagation, 2017, 65, 396-400.	3.1	145
96	Transient Analysis of Dispersive Power-Ground Plate Pairs With Arbitrarily Shaped Antipads by the DGTd Method With Wave Port Excitation. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 172-183.	1.4	36
97	Orbital angular momentum generation from a defect in photonic crystals. , 2017, , .		1
98	Electrically tunable behavior of graphene on high-resistivity silicon substrate. , 2017, , .		1
99	Electromagnetic-circuit cosimulation based on hybrid explicit-implicit DGTd and SBF macromodel. , 2017, , .		0
100	An analysis of scattering from snow with relaxed hierarchical equivalent source algorithm. , 2017, , .		1
101	Numerical modeling of PCB power/ground plate-pairs by DGTd method taking into account decoupling capacitors. , 2017, , .		0
102	LOW FREQUENCY BEHAVIOR OF CVD GRAPHENE FROM DC TO 40 GHZ. Progress in Electromagnetics Research C, 2017, 71, 1-7.	0.6	6
103	Generalized Debye Sources-Based EFIE Solver on Subdivision Surfaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 5376-5386.	3.1	14
104	Discontinuous Galerkin time-domain analysis of power/ground plate pairs with wave port excitation. , 2017, , .		0
105	AN EFFICIENT NUMERICAL CONTOUR DEFORMATION METHOD FOR CALCULATING ELECTROMAGNETIC SCATTERED FIELDS FROM 3-D CONVEX SCATTERERS. Progress in Electromagnetics Research, 2017, 158, 109-119.	1.6	1
106	A high impedance surface based leaky-wave antenna excited by collimated surface-wave. , 2017, , .		0
107	Sum-frequency and second-harmonic generation from plasmonic nonlinear nanoantennas. URSI Radio Science Bulletin, 2017, 2017, 43-49.	0.2	2
108	Compact Nonlinear Yagi-Uda Nanoantennas. Scientific Reports, 2016, 6, 18872.	1.6	33

#	ARTICLE	IF	CITATIONS
109	Machine learning based MoM (ML-MoM) for parasitic capacitance extractions. , 2016, , .		7
110	The numerical contour deformation method for calculating high frequency scattered fields from the 3-D convex scatters. , 2016, , .		0
111	Microstrip diplexer with low channel-frequency ratio. , 2016, , .		2
112	Embedding the Behavior Macromodel Into TDIE for Transient Field-Circuit Simulations. IEEE Transactions on Antennas and Propagation, 2016, 64, 3233-3238.	3.1	26
113	Transient Analysis of Lumped Circuit Networks-Loaded Thin Wires By DGTD Method. IEEE Transactions on Antennas and Propagation, 2016, 64, 2358-2369.	3.1	8
114	The derived equivalent circuit model for non-magnetized and magnetized graphene. , 2016, , .		1
115	Coupling DGTD and behavioral macromodel for transient heterogeneous electromagnetic simulations. , 2016, , .		1
116	A novel beam-steering nonlinear nanoantenna with surface plasmon resonance. , 2016, , .		1
117	Polarization Control by Using Anisotropic 3-D Chiral Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 4687-4694.	3.1	27
118	Characteristic analysis for optical antennas: A generalized equivalent circuit model for nanoparticles. , 2016, , .		0
119	The equivalent circuit model for electrostatic and magnetostatic biased tunable graphene as the absorption material. , 2016, , .		0
120	A novel data pattern dependent electromagnetic emission modeling for high speed multi-channel interconnects. , 2016, , .		1
121	A novel coordinate transformation based self-coupling computation approach for the method of moments. , 2016, , .		0
122	A Novel Supercell-Based Dielectric Grating Dual-Beam Leaky-Wave Antenna for 60-GHz Applications. IEEE Transactions on Antennas and Propagation, 2016, 64, 5521-5526.	3.1	39
123	Finite-difference time-domain simulation of the Maxwell-Schrödinger system. , 2016, , .		2
124	Stochastic Galerkin methods for transient Maxwell's equations with random geometries. , 2016, , .		1
125	A highly tunable sub-wavelength chiral structure for circular polarizer. , 2016, , .		1
126	A Novel Efficient Numerical Solution of Poisson's Equation for Arbitrary Shapes in Two Dimensions. Communications in Computational Physics, 2016, 20, 1381-1404.	0.7	1

#	ARTICLE	IF	CITATIONS
127	The derived equivalent circuit model for non-magnetized and magnetized graphene. , 2016, , .		0
128	An Equivalent Circuit Model for Graphene-Based Terahertz Antenna Using the PEEC Method. IEEE Transactions on Antennas and Propagation, 2016, 64, 1385-1393.	3.1	63
129	A Frequency-Independent Method for Computing the Physical Optics-Based Electromagnetic Fields Scattered From a Hyperbolic Surface. IEEE Transactions on Antennas and Propagation, 2016, 64, 1546-1552.	3.1	6
130	A DGTD Scheme for Modeling the Radiated Emission From DUTs in Shielding Enclosures Using Near Electric Field Only. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 457-467.	1.4	11
131	Performance Enhancement of Equivalence Principle Algorithm. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 480-483.	2.4	4
132	STAVES: Speedy tensor-aided Volterra-based electronic simulator. , 2015, , .		1
133	The fast solver for calculating the high frequency scattered field from the Fock current on the surface of the 3-D convex scatterer. , 2015, , .		0
134	Fast data pattern based electromagnetic interference evaluation for IC packaging. , 2015, , .		1
135	Accuracy enhancement of the equivalence principle algorithm based on the meshless spherical surface. , 2015, , .		0
136	Calculating the scattered fields from the Fock currents of the 3-D convex scatterers by the incremental length diffraction technique. , 2015, , .		0
137	The fast contour deformation method for calculating the high frequency scattered field from the Fock current on the convex scatterer. , 2015, , .		0
138	Novel time domain integral equation method hybridized with the macromodels of circuits. , 2015, , .		4
139	DGTD Analysis of Electromagnetic Scattering From Penetrable Conductive Objects With IBC. IEEE Transactions on Antennas and Propagation, 2015, 63, 5686-5697.	3.1	36
140	Nonlinearity of digital I/Os and its behaviour modeling. , 2015, , .		1
141	A new multilevel method for electrostatic problems through hierarchical loop basis. Computer Physics Communications, 2015, 189, 99-105.	3.0	2
142	Distributive Radiation and Transfer Characterization Based on the PEEC Method. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 734-742.	1.4	47
143	The Contour Deformation Method for Calculating the High-Frequency Scattered Field by the Fock Current on the Surface of the 3-D Convex Cylinder. IEEE Transactions on Antennas and Propagation, 2015, 63, 2180-2190.	3.1	12
144	Physical interpretation of radiation and transfer characterization based on the PEEC method. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
145	Graphene plasmonics for tuning photon decay rate near metallic split-ring resonator in a multilayered substrate. <i>Optics Express</i> , 2015, 23, 2798.	1.7	16
146	A Resistive Boundary Condition Enhanced DGTD Scheme for the Transient Analysis of Graphene. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 3065-3076.	3.1	38
147	Generalized Coupled-Line All-Pass Phasers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015, 63, 1007-1018.	2.9	26
148	Modeling of Magnetized Graphene From Microwave to THz Range by DGTD With a Scalar RBC and an ADE. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 4458-4467.	3.1	37
149	Uncertainty Quantification for Electromagnetic Systems Using ASGC and DGTD Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015, 57, 754-763.	1.4	20
150	Electromagnetic characterization for graphene by the PEEC method. , 2015, , .		0
151	Efficient Calculation of Large Finite Periodic Structures Based on Surface Wave Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 69-80.	3.1	11
152	One-Dimensional Triple Periodic Dual-Beam Microstrip Leaky-Wave Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 390-393.	2.4	43
153	Dispersion Characteristics Analysis of One Dimensional Multiple Periodic Structures and Their Applications to Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 113-121.	3.1	19
154	CASIMIR FORCE FOR COMPLEX OBJECTS USING DOMAIN DECOMPOSITION TECHNIQUES. <i>Progress in Electromagnetics Research</i> , 2014, 149, 275-280.	1.6	1
155	Noncontact operation-state monitoring technology based on magnetic-field sensing for overhead high-voltage transmission lines. , 2014, , .		4
156	Simulation of multiscale structures using equivalence principle algorithm with grid-robust higher order vector basis. <i>Journal of Electromagnetic Waves and Applications</i> , 2014, 28, 1333-1346.	1.0	6
157	Helmholtz decomposition based on integral equation method for electromagnetic analysis. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 1838-1843.	0.9	0
158	Beam-switchable Magneto-Electric antenna array based on composite right/left-handed (CRLH) structures. , 2014, , .		0
159	An adaptive hierarchical sparse grid collocation method for stochastic scattering systems analysis. , 2014, , .		0
160	A new approach for efficient analysis of large finite periodic structures. , 2014, , .		0
161	Differential forms inspired finite element discretization for waveguide eigenvalue problems. , 2014, , .		0
162	Model Order Reduction for Quantum Transport Simulation of Band-To-Band Tunneling Devices. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 561-568.	1.6	10

#	ARTICLE	IF	CITATIONS
163	Distributive radiation characterization based on the PEEC method. , 2014, , .		3
164	Linearly polarized near field focused slot-array waveguide. , 2014, , .		0
165	Second-harmonic generation in metal nanoparticles modeling by surface integral equation. , 2014, , .		3
166	An IBC enhanced DGTD scheme for transient analysis of EM interactions with graphene. , 2014, , .		2
167	Logâ€periodic dipole array antenna as chipless RFID tag. Electronics Letters, 2014, 50, 339-341.	0.5	15
168	Unveiling Magnetic Dipole Radiation in Phase-Reversal Leaky-Wave Antennas. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 786-789.	2.4	2
169	A CalderÃ³n Preconditioner for the Electric Field Integral Equation With Layered Medium Green's Function. IEEE Transactions on Antennas and Propagation, 2014, 62, 2022-2030.	3.1	17
170	A Hybrid Time-Domain Discontinuous Galerkin-Boundary Integral Method for Electromagnetic Scattering Analysis. IEEE Transactions on Antennas and Propagation, 2014, 62, 2841-2846.	3.1	165
171	Reduced-permittivity meandered single-beam full-space scanning phase-reversal leaky-wave antenna. , 2014, , .		3
172	A Rigorous Approach for the Radiated Emission Characterization Based on the Spherical Magnetic Field Scanning. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 683-690.	1.4	11
173	Distributive radiation characterization based on the PEEC method. , 2014, , .		0
174	Electromagnetic Cell With Three-Dimensional Polarization Dynamic Control. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 15-22.	1.4	0
175	Generalized Modal Expansion and Reduced Modal Representation of 3-D Electromagnetic Fields. IEEE Transactions on Antennas and Propagation, 2014, 62, 783-793.	3.1	24
176	Differential-Forms-Motivated Discretizations of Electromagnetic Differential and Integral Equations. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1223-1226.	2.4	14
177	A discontinuous galerkin time domain-boundary integral method for analyzing transient electromagnetic scattering. , 2014, , .		2
178	Magnetolectric Dipole Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 3613-3622.	3.1	10
179	Injection Locking of Spin-Torque Nano-Oscillators. IEEE Transactions on Magnetics, 2014, 50, 1-3.	1.2	3
180	Magnetics in Smart Grid. IEEE Transactions on Magnetics, 2014, 50, 1-7.	1.2	32

#	ARTICLE	IF	CITATIONS
181	Cosimulation of Electromagnetics-Circuit Systems Exploiting DGTD and MNA. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 1052-1061.	1.4	28
182	Blackbox macro-modeling of the nonlinearity based on Volterra series representation of X-parameters. , 2014, , .		4
183	Finite-Width Feed and Load Models. IEEE Transactions on Antennas and Propagation, 2013, 61, 281-289.	3.1	18
184	Integration of Arbitrary Lumped Multiport Circuit Networks Into the Discontinuous Galerkin Time-Domain Analysis. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2525-2534.	2.9	166
185	Loop-Free Free Augmented Equivalence Principle Algorithm for Low-Frequency Problems. Microwave and Optical Technology Letters, 2013, 55, 2475-2479.	0.9	8
186	Simulation of Electromagnetic Waves in the Magnetized Cold Plasma by a DGFETD Method. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1244-1247.	2.4	25
187	Chipless RFID tags based on multiple band-rejected planar log-periodic antennas. , 2013, , .		1
188	Noncontact Operation-State Monitoring Technology Based on Magnetic-Field Sensing for Overhead High-Voltage Transmission Lines. IEEE Transactions on Power Delivery, 2013, 28, 2145-2153.	2.9	71
189	The Numerical Steepest Descent Path Method for Calculating Physical Optics Integrals on Smooth Conducting Quadratic Surfaces. IEEE Transactions on Antennas and Propagation, 2013, 61, 4183-4193.	3.1	59
190	Operation-State Monitoring and Energization-Status Identification for Underground Power Cables by Magnetic Field Sensing. IEEE Sensors Journal, 2013, 13, 4527-4533.	2.4	24
191	A Numerically Efficient Formulation for Time-Domain Electromagnetic-Semiconductor Cosimulation for Fast-Transient Systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2013, 32, 802-806.	1.9	4
192	Enhanced A-EFIE with Calder's multiplicative preconditioner. , 2013, , .		4
193	Pulsed Line Source Response of a Thin Sheet With High-Contrast Dielectric and Conductive Properties—A Time-Domain Analysis. IEEE Transactions on Antennas and Propagation, 2013, 61, 5649-5657.	3.1	12
194	An enhanced mixed-form fast multipole algorithm using rotation methods. , 2013, , .		0
195	Modeling Radiated Emissions Through Shielding Boxes Based on the Tangential Electrical Field Samplings Over Openings. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 1140-1146.	1.4	14
196	Full-quantum simulation of p-type junctionless transistors with multi-band k & p model. , 2013, , .		0
197	Overview of Large-Scale Computing: The Past, the Present, and the Future. Proceedings of the IEEE, 2013, 101, 227-241.	16.4	23
198	Skin-Effect Loss Models for Time- and Frequency-Domain PEEC Solver. Proceedings of the IEEE, 2013, 101, 451-472.	16.4	33

#	ARTICLE	IF	CITATIONS
199	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
200	Computing highly oscillatory physical optics integral on the polygonal domain by an efficient numerical steepest descent path method. Journal of Computational Physics, 2013, 236, 408-425.	1.9	26
201	A Hybrid Electromagnetics-Circuit Simulation Method Exploiting Discontinuous Galerkin Finite Element Time Domain Method. IEEE Microwave and Wireless Components Letters, 2013, 23, 113-115.	2.0	140
202	Model Order Reduction for Multiband Quantum Transport Simulations and its Application to p-Type Junctionless Transistors. IEEE Transactions on Electron Devices, 2013, 60, 2111-2119.	1.6	26
203	Magnetic flux concentration at micrometer scale. Microelectronic Engineering, 2013, 111, 77-81.	1.1	34
204	A compact HF/UHF dual band RFID tag antenna. , 2013, , .		4
205	An Efficiently Preconditioned Eigenanalysis of Inhomogeneously Loaded Rectangular Cavities. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 58-61.	2.4	6
206	Surface waves in three-dimensional electromagnetic composites and their effect on homogenization. Optics Express, 2013, 21, 10412.	1.7	11
207	Reducing computational workload of electromagnetic scattered fields from electrically large quadratic surface at high frequency. , 2013, , .		3
208	Source Reconstruction Method-Based Radiated Emission Characterization for PCBs. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 933-940.	1.4	39
209	Co-simulation of distributive and lumped systems using the discontinuous Galerkin time domain finite element method. , 2013, , .		1
210	Recent development of surface integral equation solvers for multiscale interconnects and circuits. , 2013, , .		0
211	One dimensional multiple periodic composite right/left handed (CRLH) structures. , 2013, , .		1
212	A Wide-Band Equivalent Source Reconstruction Method Exploiting the Stoer-Bulirsch Algorithm With the Adaptive Frequency Sampling. IEEE Transactions on Antennas and Propagation, 2013, 61, 5338-5343.	3.1	72
213	An efficient preconditioning scheme for eigenanalysis of inhomogeneously loaded rectangular cavities. , 2013, , .		0
214	A new Coulomb gauge based electric field integral equation method. , 2013, , .		0
215	A novel broadband equivalent source reconstruction method for broadband radiators. , 2013, , .		1
216	Fast and efficient low-frequency algorithms for multiscale structure modeling. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
217	AN ITERATIVE SOURCE RECONSTRUCTION METHOD EXPLOITING PHASELESS ELECTRIC FIELD DATA. Progress in Electromagnetics Research, 2013, 134, 419-435.	1.6	10
218	A NEW EFIE METHOD BASED ON COULOMB GAUGE FOR THE LOW-FREQUENCY ELECTROMAGNETIC ANALYSIS. Progress in Electromagnetics Research, 2013, 140, 613-631.	1.6	4
219	DIFFERENTIAL FORMS INSPIRED DISCRETIZATION FOR FINITE ELEMENT ANALYSIS OF INHOMOGENEOUS WAVEGUIDES. Progress in Electromagnetics Research, 2013, 143, 745-760.	1.6	9
220	THE SERIAL RESONANT ANTENNA FOR THE LARGE FIELD OF VIEW MAGNETIC RESONANCE IMAGING. Progress in Electromagnetics Research, 2013, 136, 635-646.	1.6	3
221	Integral equation method for analyzing purcell effect in plasmonic system. , 2012, , .		0
222	Characterization of wave physics using the rigorous Helmholtz decomposition based on the surface integral equation. , 2012, , .		1
223	The far field transformation using the iterative SRM based on the phaseless data. , 2012, , .		0
224	Efficient variation-aware EM-semiconductor coupled solver for the TSV structures in 3D IC. , 2012, , .		0
225	Study on spontaneous emission in complex multilayered plasmonic system via surface integral equation approach with layered medium Green's function. Optics Express, 2012, 20, 20210.	1.7	43
226	Alternative AEFIE-EFIE method for broadband CEM modeling. , 2012, , .		0
227	Electromagnetic emissions from the IC packaging. , 2012, , .		9
228	Generalized Modal Expansion of Electromagnetic Field in 2-D Bounded and Unbounded Media. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1052-1055.	2.4	14
229	Fundamental components of the IC packaging electromagnetic interference (EMI) analysis. , 2012, , .		16
230	Skin-effect model for round wires in PEEC. , 2012, , .		13
231	A New Green's Function Formulation for Modeling Homogeneous Objects in Layered Medium. IEEE Transactions on Antennas and Propagation, 2012, 60, 4766-4776.	3.1	84
232	A Single-Layer Compact HF-UHF Dual-Band RFID Tag Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1257-1260.	2.4	38
233	An efficient method for highly oscillatory physical optics integrals. , 2012, , .		6
234	Methods for fast evaluation of self-energy matrices in tight-binding modeling of electron transport systems. Journal of Applied Physics, 2012, 112, .	1.1	10

#	ARTICLE	IF	CITATIONS
235	A circular polarization hybrid-integrated rectangular ring antenna for RFID reader. , 2012, , .		6
236	THE FAR FIELD TRANSFORMATION FOR THE ANTENNA MODELING BASED ON SPHERICAL ELECTRIC FIELD MEASUREMENTS. Progress in Electromagnetics Research, 2012, 123, 243-261.	1.6	19
237	AN EFFICIENT METHOD FOR COMPUTING HIGHLY OSCILLATORY PHYSICAL OPTICS INTEGRAL. Progress in Electromagnetics Research, 2012, 127, 211-257.	1.6	52
238	Alternative AEFIE–EFIE method for broadband CEM simulations. Microwave and Optical Technology Letters, 2012, 54, 1737-1740.	0.9	3
239	Low-Profile Microstrip Antenna with Bandwidth Enhancement for Radio Frequency Identification Applications. Electromagnetics, 2012, 32, 244-253.	0.3	10
240	A memory saving fast A-EFIE solver for modeling low-frequency large-scale problems. Applied Numerical Mathematics, 2012, 62, 682-698.	1.2	3
241	A novel characterization method of the radiation emission for electromagnetic compatibility. , 2011, , .		4
242	Mixed integral-differential skin-effect models for PEEC electromagnetic solver. , 2011, , .		0
243	Compact Metallic RFID Tag Antennas With a Loop-Fed Method. IEEE Transactions on Antennas and Propagation, 2011, 59, 4454-4462.	3.1	82
244	Finite-width gap excitation and impedance models. , 2011, , .		7
245	A Novel Implementation of Discrete Complex Image Method for Layered Medium Green's Function. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 419-422.	2.4	16
246	Simulations of pulse signals with X-parameters. , 2011, , .		2
247	A new closed-form evaluation of layered medium Green'S function. , 2011, , .		1
248	Reflection and transmission of line-source excited pulsed EM fields at a thin, high-contrast layer with dielectric and conductive properties. , 2011, , .		4
249	Finite element based generalized impedance boundary condition for complicated EM calculation. , 2011, , .		0
250	Process-variation-aware electromagnetic-semiconductor coupled simulation. , 2011, , .		1
251	Modeling electrically small structures in layered medium with augmented EFIE method. , 2011, , .		0
252	An Augmented Electric Field Integral Equation for Layered Medium Green's Function. IEEE Transactions on Antennas and Propagation, 2011, 59, 960-968.	3.1	35

#	ARTICLE	IF	CITATIONS
253	A memory saving vector fast multipole algorithm for solving the augmented EFIE. , 2010, , .		0
254	Electrical modelling of temperature distributions in on-chip interconnects, packaging, and 3D integration. , 2010, , .		0
255	Augmented EPA with augmented EFIE method for packaging analysis. , 2010, , .		2
256	A COMPLETE VARIATIONAL METHOD FOR CAPACITANCE EXTRACTIONS. Progress in Electromagnetics Research, 2006, 56, 19-32.	1.6	6