

Ru Shan Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Arbitrary High-Order DGTD Method With Local Time-Stepping for Nonlinear Field-Circuit Cosimulation. IEEE Transactions on Antennas and Propagation, 2022, 70, 526-535.	5.1	10
2	Simulation of Electromagnetic Wave Propagation in Plasma Under High-Power Microwave Illumination. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 144-148.	4.0	6
3	Numerical modeling of EM scattering from plasma sheath: A review. Engineering Analysis With Boundary Elements, 2022, 135, 73-92.	3.7	6
4	An Effective Method for the Synthesis of Wideband and Wide-Scanning Sparse Planar Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 3064-3069.	5.1	3
5	3-D-Printed Wideband High-Efficiency Dual-Frequency Antenna for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 3457-3469.	6.3	16
6	Secure UAV Relay Communication via Power Allocation and Trajectory Planning. IEEE Systems Journal, 2022, 16, 6243-6252.	4.6	3
7	Design of In-Phase and Quadrature Two Paths Space-Time-Modulated Metasurfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 5563-5573.	5.1	25
8	Convergence Acceleration of Characteristic Mode-Based Basis Function Method for Connected Array Structures. IEEE Transactions on Antennas and Propagation, 2022, 70, 7322-7327.	5.1	0
9	Numerical Simulation of Streamer Discharge Modeled by Drift-Diffusion Equations Based on SETD Method. IEEE Transactions on Plasma Science, 2022, 50, 525-533.	1.3	3
10	Wideband Millimeter-Wave Substrate-Integrated Waveguide-Fed Metasurface Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 5335-5344.	5.1	8
11	Generalized Periodic Boundary Conditions for DGTD Analysis of Arbitrary Skewed Periodic Structures. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2989-2998.	4.6	6
12	A Novel Detection Scheme for the Discrete Body of Revolution With Fractional Orbital Angular Momentum Beams. IEEE Transactions on Antennas and Propagation, 2022, 70, 9971-9976.	5.1	1
13	Port and Radiation Pattern Decoupling of Dielectric Resonator Antennas. IEEE Transactions on Antennas and Propagation, 2022, 70, 7713-7726.	5.1	12
14	Artificial Doppler and Micro-Doppler Effect Induced by Time-modulated Metasurface. , 2022, , .		0
15	Fast solver for uncertainty EM scattering problems by the perturbed-based MLFMA. Engineering Analysis With Boundary Elements, 2021, 122, 168-175.	3.7	5
16	EM Analysis of Geometrical Uncertainty for Metallic/Dielectric Bodies of Revolution Targets. IEEE Transactions on Antennas and Propagation, 2021, 69, 8551-8561.	5.1	1
17	Low-Rank Matrix Factorization Method for Multiscale Simulations: A Review. IEEE Open Journal of Antennas and Propagation, 2021, 2, 286-301.	3.7	13
18	A Space-Mapping-Based Optimal EM Design of RCS Reduction for Electrically Large Targets. IEEE Transactions on Antennas and Propagation, 2021, 69, 6702-6711.	5.1	4

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19	Design of Wide Scanning Sparse Planar Array Using Both Matrix-Pencil and Space-Mapping Methods. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 140-144.	4.0	18
20	Numerical Studies of Light Brightness Emitted by Microwave Nitrogen Breakdown in Circular Waveguide. , 2021, , .		0
21	Simulation of high-power microwaves gas breakdown with a modified multi-physical model. Physics of Plasmas, 2021, 28, 083504.	1.9	1
22	A High-Order Solver of EM Scattering From Uncertain Geometrical Targets. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1542-1546.	4.0	4
23	Application of Parallel CM-MLFMA Method to the Analysis of Array Structures. IEEE Transactions on Antennas and Propagation, 2021, 69, 6116-6121.	5.1	14
24	Numerical simulation of multi-carrier microwave breakdown in air-SF6 mixtures. Physics of Plasmas, 2021, 28, 093512.	1.9	1
25	Interior Penalty DGTD Method for Solving Wave Equation in Dispersive Media Described With GDM Model. IEEE Transactions on Antennas and Propagation, 2021, 69, 6105-6110.	5.1	5
26	An Electrically Controlled Pattern- and Polarization-Reconfigurable Cylindrical Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2309-2313.	4.0	12
27	Local Time-Stepping Scheme for Arbitrary High-Order DGTD Method. , 2021, , .		0
28	Gas Heating Analysis in High-Power Microwave Breakdown Process Based on SETD Method. , 2021, , .		0
29	Fast Parameter Estimation by Using Matrix Pencil Method. , 2021, , .		0
30	Extended Unitary Matrix Pencil method for Sparse Wideband Planar Array Pattern Synthesis. , 2021, , .		0
31	Multi-radar Data Fusion Imaging Based on Multidimensional Alternating Direction Method of Multipliers. , 2021, , .		0
32	Wave Propagation Analysis by Using the Three-dimensional ADD-based Two-Way Parabolic Equation Method. , 2021, , .		0
33	Low-profile ultra-wideband array design based on dielectric layer loading. , 2021, , .		0
34	A Fast Analysis Method for Dynamic Array structures. , 2021, , .		0
35	Characteristic Mode Method for Multi-Scale Quasi-Periodic Structures. , 2021, , .		0
36	Two-dimensional Wide-angle Scanning of End-fire Linear Array Based on Reconfigurable AMC. , 2021, , .		0

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37	Design of tightly coupled array antenna based on ultra-wideband dipole. , 2021, , .		0
38	Simulation of Radio Communication Blackout Mitigation with DGTD Method. , 2021, , .		1
39	Optimization of Low Electromagnetic Scattering Using TRASM and HOA. , 2021, , .		0
40	Accuracy Improvement of TDS-MFIE by Using mixed-type discretizations. , 2021, , .		0
41	Fast 3D-ISAR Image based on Shooting and Bouncing Ray Technique. , 2021, , .		0
42	Design of Ka / Ku Band Common Aperture Antenna Array. , 2021, , .		2
43	High Gain Optimization with Equal Amplitude Excitation for Sparse Planar Array. , 2021, , .		0
44	EM Pulse Propagation Modeling for Tunnels by Three-Dimensional ADI-TDPE Method. IEEE Access, 2020, 8, 85027-85037.	4.2	6
45	Influence of Geometry of Metallic Nanoparticles on Absorption of Thin-Film Organic Solar Cells: A Critical Examination. IEEE Access, 2020, 8, 145950-145959.	4.2	9
46	Broadband metasurface for polarization conversion and asymmetric transmission at X-band. , 2020, , .		6
47	Electromagnetic Modeling of Moving Mixed Conductive and Dielectric BoRs With an Effective Domain Decomposition Method. IEEE Transactions on Antennas and Propagation, 2020, 68, 7978-7985.	5.1	7
48	Electro-Thermal Analysis of Microwave Limiter Based on the Time-Domain Impulse Response Method Combined With Physical-Model-Based Semiconductor Solver. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2579-2589.	4.6	11
49	Uncertainty RCS Computation for Multiple and Multilayer Thin Medium-Coated Conductors by an Improved TDS Approximation. IEEE Transactions on Antennas and Propagation, 2020, 68, 8053-8061.	5.1	14
50	Transient Analysis of High-Power Microwave Air Breakdown under External DC Magnetic Field. IEEE Transactions on Antennas and Propagation, 2020, 68, 4894-4903.	5.1	19
51	Tunable Electronic Properties and Potential Applications of 2D GeP/Graphene van der Waals Heterostructure. Advanced Electronic Materials, 2020, 6, 1901024.	5.1	42
52	Transient analysis of light brightness emitted from high power microwave nitrogen breakdown under external dc magnetic field. Physics of Plasmas, 2020, 27, .	1.9	9
53	Dual-layer achromatic metalens design with an effective Abbe number. Optics Express, 2020, 28, 26041.	3.4	47
54	Numerical Studies of High Power Microwave Argon breakdown based on SETD method. , 2020, , .		1

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55	Multistatic Radar Fusion imaging based on Beidou navigation signal. , 2020, , .		0
56	A High-Order Solution for 3-D Scattering from Objects with Uncertain Shapes. , 2020, , .		1
57	Application of Several Preconditions in Characteristic Modes Method. , 2020, , .		0
58	An Efficient Optimization Algorithm Based on Characteristic Mode Method and Genetic Algorithm for Tightly Coupled Antenna Array. , 2020, , .		1
59	Nested Equivalent Source Approximation for the Simulation of Surface Enhanced Raman Scattering. , 2020, , .		1
60	Simulation Analysis of High Power Microwave Propagation properties in a simplified plasma limiter. , 2020, , .		1
61	Efficient Analysis for Solar Cell Based on Characteristic Basis Function Method. , 2019, , .		0
62	High Resolution 2-D Electromagnetic Vortex Imaging Using Uniform Circular Arrays. IEEE Access, 2019, 7, 132430-132437.	4.2	18
63	An Integral Equation Analysis of the Metal Object with Multiple Thin Dielectric Sheets. , 2019, , .		0
64	A Matrix Pencil Method to Realize Random and Sparse Metalens. , 2019, , .		0
65	An Universal Impedance Boundary Condition Approach to Analyze Electrically Large Partially-Coated Targets. , 2019, , .		0
66	An Efficient Volumetric SBR Method for Electromagnetic Scattering From In-Homogeneous Plasma Sheath. IEEE Access, 2019, 7, 90162-90170.	4.2	13
67	FDTD-GSTC for Simulation of Realistic Free-form Metasurface. , 2019, , .		1
68	An Efficient Approach for the Synthesis of Large Sparse Planar Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 7320-7330.	5.1	35
69	Statistical Modeling of Dielectric metamaterial with Fabrication Imperfection Tolerance. , 2019, , .		1
70	Fast Computation of Electromagnetic Scattering From a Metal-Dielectric Composite and Randomly Distributed BoRs Cluster. IEEE Transactions on Antennas and Propagation, 2019, 67, 7655-7660.	5.1	7
71	Uncertainty Scattering Analysis of 3-D Objects With Varying Shape Based on Method of Moments. IEEE Transactions on Antennas and Propagation, 2019, 67, 2835-2840.	5.1	18
72	RF MEMS In-Line Type Phase Detector With Large Dynamic Range. IEEE Electron Device Letters, 2019, 40, 792-795.	3.9	8

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73	High-order DGTD for Solving EM Scattering from Hypersonic Aircraft with Plasma Sheath. , 2019, , .		1
74	Scattering of the Electrically Large Target Based on the Electromagnetic Vortex. , 2019, , .		0
75	EM Pulse Propagation Modeling of Tunnels with Three-dimensional TDPE Method. , 2019, , .		0
76	Ground Moving Target Imaging of Synthetic Aperture Radar Based on Improved Range History Fitting Method. , 2019, , .		0
77	Nested Equivalence Source Approximation for Realistic Multiscale Simulations: From Low to Mixed-form Frequency. , 2019, , .		0
78	An Anisotropic Thin Dielectric Sheet Method for Analysis of Magnetized Graphene. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 279-282.	4.0	4
79	A Numerical Simulation of C3N Nanoribbon-Based Field-Effect Transistors. IEEE Transactions on Electron Devices, 2019, 66, 1087-1091.	3.0	11
80	Efficient Characteristic Mode Analysis for Radiation Problems of Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 199-206.	5.1	30
81	Alambert-Schrödinger hybrid simulation for laser-induced multiquantum state transitions in a three-dimensional artificial atom. Optics Letters, 2019, 44, 4399.	3.3	2
82	Multi-radar fusion technique for high-resolution ISAR imaging in sea-cluttered environment. Journal of Engineering, 2019, 2019, 6898-6901.	1.1	2
83	Parabolic Equation Method Solving Wave Propagation in Tunnels in Complex Meteorological Environments. , 2019, , .		0
84	Full polarisation ISAR imaging based on joint sparse Bayesian compressive sensing. Journal of Engineering, 2019, 2019, 6947-6950.	1.1	0
85	Multi-radar target parameter estimation and fusion based on attribute scattering centre model. Journal of Engineering, 2019, 2019, 6894-6897.	1.1	1
86	Mixed Signals Separation of Multiple Targets Based on SOBI Algorithm. , 2019, , .		0
87	Two-Way Propagation Modeling of Expressway With Vehicles by Using the 3-D ADI-PE Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 2156-2160.	5.1	16
88	Monolayered Silicon and Germanium Monopnictide Semiconductors: Excellent Stability, High Absorbance, and Strain Engineering of Electronic Properties. ACS Applied Materials & Interfaces, 2018, 10, 5133-5139.	8.0	89
89	A Time-Domain Thin Dielectric Sheet (TD-TDS) Integral Equation Method for Scattering Characteristics of Tunable Graphene. IEEE Transactions on Antennas and Propagation, 2018, 66, 1366-1373.	5.1	17
90	Tuning electronic and optical properties of arsenene/C ₃ N van der Waals heterostructure by vertical strain and external electric field. Nanotechnology, 2018, 29, 075201.	2.6	89

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91	Volume integral equation equivalence principle algorithm domain decomposition with body of revolution equivalence surface. IET Microwaves, Antennas and Propagation, 2018, 12, 375-379.	1.4	7
92	Design of Shaped Multibeam Reflector Antenna Based on Cognitive Behavior Optimization Algorithm. , 2018, , .		2
93	Target Recognition Based on Attributed Scattering Center Models. , 2018, , .		3
94	An Effective Stochastic Method for Uncertainty Scattering Analysis of 3-D Objects with Varying Shape. , 2018, , .		0
95	Analysis of Electromagnetic Scattering from Graphene with Volume Surface Integral Equation Method. , 2018, , .		1
96	Shape Optimization Design of Multi-beam Reflector Antenna based on Multi-objective Particle Swarm Optimization. , 2018, , .		1
97	Simulation of Infinite Nano-Array using the Periodic Volume Integral Equation Method. , 2018, , .		0
98	Multi Radar Imaging Based on Variational Bayesian Block Sparse Method. , 2018, , .		2
99	Simulation of All-dielectric Metasurfaces with Finite Thickness Based on FDTD-GSTC. , 2018, , .		1
100	Efficient unitary matrix pencil method for synthesising wideband frequency patterns of sparse linear arrays. IET Microwaves, Antennas and Propagation, 2018, 12, 1871-1876.	1.4	15
101	Wave Propagation Modeling of Tunnels in Complex Meteorological Environments With Parabolic Equation. IEEE Transactions on Antennas and Propagation, 2018, 66, 6629-6634.	5.1	14
102	A Novel Band-Notched UWB Conformal Antenna Combined with the Method of Circuitry. , 2018, , .		0
103	Ultrathin Metasurface-Based Electromagnetic Illusion. , 2018, , .		0
104	Study on Electromagnetic Scattering Characteristic of Hypervelocity Model with SBR Method. , 2018, , .		0
105	Study on Efficient High Frequency Method of Electromagnetic Scattering of Electrically Large Target. , 2018, , .		0
106	Synthesis of Nonuniformly Spaced Wideband Linear Arrays with MSM-FOCUSS Algorithm. , 2018, , .		1
107	DOA Estimation based on Sparse Representation of Covariance Matrix for 4- D Antenna Arrays. , 2018, , .		0
108	Time-dependent QM/EM Simulation Method Applied to Carbon Nanotube. , 2018, , .		0

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109	Adaptive Beamforming with Low Sidelobe in Fundamental Component of 4- D Antenna Arrays. , 2018, , .		0
110	Mixed-Form Nested Approximation for Wideband Multiscale Simulations. IEEE Transactions on Antennas and Propagation, 2018, 66, 6128-6136.	5.1	16
111	Transport Properties of C3N Nanoribbon-Based Nanoscale Transistors. , 2018, , .		0
112	Terahertz Scattering of Electrically Large and Complex Target. , 2018, , .		1
113	Full-Quantum Numerical Scheme of Finite Difference Time Domain Method for High-Order Harmonic Generation. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2018, 3, 74-79.	2.2	2
114	Mixed Inner-Outer Iteration Technique-Based Surface Integral Equations for Fast Solving EM Scattering From Penetrable Objects. IEEE Transactions on Antennas and Propagation, 2018, 66, 4752-4758.	5.1	4
115	A Surrogate Modeling Technique for Electromagnetic Scattering Analysis of 3-D Objects With Varying Shape. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1524-1527.	4.0	23
116	Time-Domain Impulse Response With the TD-VSIE Field-Circuit Coupling Algorithm for Nonlinear Analysis of Microwave Amplifier. IEEE Microwave and Wireless Components Letters, 2018, 28, 431-433.	3.2	13
117	Polarization-Controlled Shared-Aperture Metasurface for Generating a Vortex Beam With Different Modes. IEEE Transactions on Antennas and Propagation, 2018, 66, 7455-7459.	5.1	32
118	Transient Analysis for Electrothermal Properties in Nanoscale Transistors. IEEE Transactions on Electron Devices, 2018, 65, 3930-3935.	3.0	26
119	Efficient volumetric method of moments for modeling plasmonic thin-film solar cells with periodic structures. Optics Express, 2018, 26, 25037.	3.4	23
120	Synthesis of Uniformly Excited Sparse Planar Array Based on Matrix Mapping and Genetic Algorithm. , 2018, , .		0
121	A Periodic Thin Dielectric Sheet Integral Method for Scattering Characteristics of Tunable Graphene. , 2018, , .		0
122	Analysis of transmission zeros for coaxial filter with capacitive cross coupling. International Journal of Electronics Letters, 2017, 5, 1-12.	1.2	2
123	An Efficient Domain Decomposition Parallel Scheme for Leapfrog ADI-FDTD Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 1490-1494.	5.1	30
124	Nested Equivalent Source Approximation for the Modeling of Penetrable Bodies. IEEE Transactions on Antennas and Propagation, 2017, 65, 954-959.	5.1	13
125	Analysis of Transient Electromagnetic Scattering From Composite Conducting-Dielectric Targets With the Time-Domain Fast Dipole Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 3800-3805.	5.1	6
126	A Hybrid Spectral-Element Finite-Difference Time-Domain Method for Electromagnetic Simulation. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2244-2248.	4.0	15

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127	Design of Compact Bandpass Filters Using Quarter-Mode and Eighth-Mode SIW Cavities. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 956-963.	2.5	91
128	Compact Dual-Band Balanced SIW Bandpass Filter With Improved Common-Mode Suppression. IEEE Microwave and Wireless Components Letters, 2017, 27, 347-349.	3.2	75
129	A Higher Order Nyström TD-VIE Method for Scattering From Magnetized Plasma Objects. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 408-411.	4.0	8
130	A 3-D Continuous-Discontinuous Galerkin Finite-Element Time-Domain Method for Maxwell's Equations. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 908-911.	4.0	14
131	An Efficient High-Order Marching-on-in-Degree Solver for Conducting and Dielectric Bodies of Revolution. IEEE Transactions on Antennas and Propagation, 2017, 65, 4374-4378.	5.1	4
132	Frequency-domain and time-domain solvers of parabolic equation for rotationally symmetric geometries. Computer Physics Communications, 2017, 220, 181-187.	7.5	3
133	A Fast Marching-on-in-Degree Solution for Analysis of Conductors Coated With Thin Dispersive Dielectric. IEEE Transactions on Antennas and Propagation, 2017, 65, 4751-4758.	5.1	2
134	A parallelizable direct solution of integral equation methods for electromagnetic analysis. Engineering Analysis With Boundary Elements, 2017, 85, 158-164.	3.7	8
135	Nonlinear Analysis of Microwave Limiter Using Field-Circuit Coupling Algorithm Based on Time-Domain Volume-Surface Integral Method. IEEE Microwave and Wireless Components Letters, 2017, 27, 864-866.	3.2	15
136	A Novel TD-VIE Based on MOT Scheme for Analysis of Dispersive Objects. IEEE Transactions on Antennas and Propagation, 2017, 65, 5387-5395.	5.1	3
137	An Efficient Fast Algorithm for Accelerating the Time-Domain Integral Equation Discontinuous Galerkin Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 4919-4924.	5.1	8
138	A Hybrid Volume-Surface Integral Spectral-Element Time-Domain Method for Nonlinear Analysis of Microwave Circuit. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3034-3037.	4.0	9
139	A Low-Frequency EFIE-MLFMA Solver Based on Approximate Diagonalization of Green's Function. IEEE Transactions on Antennas and Propagation, 2017, 65, 7150-7156.	5.1	13
140	Space mapping optimisation of 2D array elements arrangement to reduce the radar cross-section scattering. IET Microwaves, Antennas and Propagation, 2017, 11, 1578-1582.	1.4	24
141	EMI analysis of field-line-circuit coupling model based on time domain integral equation method. , 2017, , .		0
142	Efficient method for evaluation of second-harmonic generation by surface integral equation. Optics Express, 2017, 25, 28010.	3.4	12
143	Scattering analysis of magnetized plasma objects with spectral-element time-domain method. , 2016, , .		1
144	A marching-on-in-degree solution with volume surface integral equation for the scattering of composite bodies of revolution. , 2016, , .		0

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145	Fast Analysis of Transient Electromagnetic Scattering Using the Taylor Series Expansion-Enhanced Time-Domain Integral Equation Solver. IEEE Transactions on Antennas and Propagation, 2016, 64, 3943-3952.	5.1	10
146	Method of moments wideband simulations of the microstrip circuits with second-order Arnoldi reduced model. Electronics Letters, 2016, 52, 841-842.	1.0	2
147	Adaptive multilevel fast multipole algorithm with AEFIE for multiscale problems. , 2016, , .		0
148	The application to optimize antennas by combining the MOM with space mapping. , 2016, , .		0
149	Efficient analysis of microstrip antenna arrays through using characteristic modes. , 2016, , .		0
150	An Efficient Marching-on-in-Degree Solution of Transient Multiscale EM Scattering Problems. IEEE Transactions on Antennas and Propagation, 2016, 64, 3039-3046.	5.1	10
151	An Effective MoM Solution With Nested Complex Source Beam Method for Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2016, 64, 2546-2551.	5.1	6
152	A Discontinuous Galerkin Time-Domain Integral Equation Method for Electromagnetic Scattering From PEC Objects. IEEE Transactions on Antennas and Propagation, 2016, 64, 2410-2417.	5.1	30
153	Optimisation of SIW bandpass filter with wide and sharp stopband using space mapping. International Journal of Electronics, 2016, 103, 2042-2051.	1.4	3
154	Domain decomposition scheme with equivalence spheres for the analysis of aircraft arrays in a large-scale range. Engineering Analysis With Boundary Elements, 2016, 73, 42-49.	3.7	15
155	Parallel implementation of unconditionally stable discontinuous Galerkin finite element time-domain method. , 2016, , .		1
156	A Novel Marching-on-in-Degree Solver of Time Domain Parabolic Equation for Transient EM Scattering Analysis. IEEE Transactions on Antennas and Propagation, 2016, 64, 4905-4910.	5.1	6
157	A Novel Parallel Parabolic Equation Method for Electromagnetic Scatterings. IEEE Transactions on Antennas and Propagation, 2016, 64, 4777-4784.	5.1	12
158	Simulation of a submicron ballistic diode with spectral-element time-domain method. , 2016, , .		0
159	Analysis of the electromagnetic propagation problems for irregular terrain by SSFT algorithm. , 2016, , .		0
160	A hybrid explicit-implicit discontinuous Galerkin spectral-element time-domain algorithm for multi-scale computation. , 2016, , .		0
161	A new efficient flexible GMRES for solving surface integral equation of PMCHWT. , 2016, , .		1
162	Analysis of dielectric resonator antennas using characteristic modes. , 2016, , .		2

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163	A hierarchical fast direct solver for the method of moment. , 2016, , .		0
164	Spectral element method-based parabolic equation for EM-scattering problems. Waves in Random and Complex Media, 2016, 26, 80-88.	2.7	1
165	Fast analysis of wide-band scattering from electrically large targets with time-domain parabolic equation method. Computer Physics Communications, 2016, 200, 139-146.	7.5	9
166	Analysis of Transient EM Scattering From Penetrable Objects by Time Domain Nonconformal VIE. IEEE Transactions on Antennas and Propagation, 2016, 64, 360-365.	5.1	7
167	An Efficient Marching-on-in-Degree Solver of Surface Integral Equation for Multilayer Thin Medium-Coated Conductors. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1458-1461.	4.0	10
168	Efficient Analysis of EM Scattering by Using Higher-Order Hierarchical Linear-Linear Basis Functions. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 305-308.	4.0	1
169	Numerical Analysis of Multi-Carrier Microwave Breakdown in Waveguide Components. IEEE Microwave and Wireless Components Letters, 2016, 26, 77-79.	3.2	13
170	Complex Source Beam Method for Electromagnetic Scattering Problems of Dielectric Objects. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 597-601.	4.0	1
171	Marching-on-in-Degree Solution of the Transient Scattering From Multiple Bodies of Revolution. IEEE Transactions on Antennas and Propagation, 2016, 64, 321-326.	5.1	4
172	Analysis of Scattering From Composite Conducting Dispersive Dielectric Objects by Time-Domain Volume-Surface Integral Equation. IEEE Transactions on Antennas and Propagation, 2016, 64, 1984-1989.	5.1	12
173	A Wide-Angle Alternate Direction Implicit Parabolic Equation Method for Electromagnetic Scattering from Electrically Large Targets. Electromagnetics, 2016, 36, 94-101.	0.7	1
174	Equivalence Principle Algorithm With Body of Revolution Equivalence Surface for the Modeling of Large Multiscale Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 1818-1828.	5.1	25
175	Transient electromagnetic scattering from homogeneous dielectric bodies of revolution. , 2015, , .		0
176	An efficient fast algorithm for accelerating the marching-on-in-time based time domain integral equation method. , 2015, , .		0
177	Nested equivalence source approximation of the MFIE operator. , 2015, , .		0
178	GPU-accelerated ADI-PPE method for analysis of EM scatterings. Electronics Letters, 2015, 51, 1652-1654.	1.0	6
179	Analysis of scattering from penetrable objects by time domain non-conformal volume integral equation. , 2015, , .		0
180	Analysis of PIN diode limiter circuit using spectral-element time-domain method. , 2015, , .		0

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181	A marching-on-in-degree solution of time-domain combined field integral equation with Nystrom scheme. , 2015, , .		0
182	A nested complex source beam method for EM scattering analysis. , 2015, , .		0
183	A Vector Meshless Parabolic Equation Method for Three-Dimensional Electromagnetic Scatterings. IEEE Transactions on Antennas and Propagation, 2015, 63, 2595-2603.	5.1	17
184	Fast analysis of three-dimensional electromagnetic problems using dual-primal finite-element tearing and interconnecting method combined with \hat{a}, \hat{b} matrix technique. IET Microwaves, Antennas and Propagation, 2015, 9, 640-647.	1.4	8
185	A Higher Order Nyström Scheme for a Marching-on-in-Time Solution of Time-Domain Integral Equation. IEEE Transactions on Antennas and Propagation, 2015, 63, 2762-2767.	5.1	7
186	An efficient numerical method for simplified plasma limiter simulation. , 2015, , .		0
187	Electromagnetic solution for composite metallic and material objects with FEBI method and multilevel complex source beam method. , 2015, , .		0
188	Acceleration of the Impedance Matrix Filling for Marching-on-in-Degree Method by Equivalent Dipole Moment. Electromagnetics, 2015, 35, 260-272.	0.7	5
189	A parallel vector ADI-PE approach for EM scattering problems. , 2015, , .		1
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