Yongjun Xie

List of Publications by Year
in descending order

68 papers	320 citations	1039406 9 h-index	996533 15 g-index
68 all docs	68 docs citations	68 times ranked	202 citing authors

#	Article	IF	Citations
1	Scale‐space theory‐based multi‐scale features for aircraft classification using HRRP. Electronics Letters, 2016, 52, 475-477.	0.5	27
2	High-Frequency Method for Scattering From Electrically Large Conductive Targets in Half-Space. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 259-262.	2.4	21
3	Single Patch Antenna With Monopulse Patterns. IEEE Microwave and Wireless Components Letters, 2016, 26, 762-764.	2.0	21
4	Three-Dimensional Higher Order PML Based on Alternating Direction Implicit Algorithm. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2592-2596.	2.4	21
5	Radar target classification using support vector machine and subspace methods. IET Radar, Sonar and Navigation, 2015, 9, 632-640.	0.9	16
6	Performance Enhanced Crank-Nicolson Boundary Conditions for EM Problems. IEEE Transactions on Antennas and Propagation, 2021, 69, 1513-1527.	3.1	16
7	Multi‐scale feature‐based fuzzy‐support vector machine classification using radar range profiles. IET Radar, Sonar and Navigation, 2016, 10, 370-378.	0.9	15
8	Prediction of Passive Intermodulation on Mesh Reflector Antenna Using Collaborative Simulation: Multiscale Equivalent Method and Nonlinear Model. IEEE Transactions on Antennas and Propagation, 2018, 66, 1516-1521.	3.1	11
9	Evaluation of Passive Intermodulation Using Full-Wave Frequency-Domain Method With Nonlinear Circuit Model. IEEE Transactions on Vehicular Technology, 2016, 65, 5754-5757.	3.9	10
10	Performance-Enhanced Complex Envelope ADI-PML for Bandpass EM Simulation. IEEE Microwave and Wireless Components Letters, 2020, 30, 729-732.	2.0	9
11	Complex Envelope Approximate CN-PML Algorithm With Improved Absorption. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1521-1525.	2.4	9
12	The Closed-Form Solution of Frequency Shift for an HF RFID Coil Antenna in Metallic Environments. IEEE Internet of Things Journal, 2018, 5, 3927-3941.	5.5	8
13	Higher‐Order Approximate CN‐PML Theory for Magnetized Ferrite Simulations. Advanced Theory and Simulations, 2020, 3, 1900221.	1.3	8
14	A novel dynamic RCS simulation and analysis method considering attitude perturbation. Journal of Electromagnetic Waves and Applications, 2015, 29, 1841-1858.	1.0	7
15	Simulations of the Multipactor Effect in Ferrite Circulator Junction With Wedge-Shaped Cross Section Geometry. IEEE Transactions on Electron Devices, 2020, 67, 5144-5150.	1.6	7
16	ARCS: Active Radar Cross Section for Multi-Radiator Problems in Complex EM Environments. Sensors, 2020, 20, 3371.	2.1	7
17	Different implementations of material independent multi‐order nearly perfectly matched layers for EM simulations. Microwave and Optical Technology Letters, 2020, 62, 3485-3498.	0.9	7
18	Evaluation of Passive Intermodulation From Multiple Connectors With Generalized Network Method. IEEE Microwave and Wireless Components Letters, 2021, 31, 312-315.	2.0	7

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19	Generalized Radar Range Equation Applied to the Whole Field Region. Sensors, 2022, 22, 4608.	2.1	7
20	A Novel Circularly Polarized Yagi Antenna. , 2018, , .		5
21	Complex Envelope Hybrid Implicitâ€"Explicit Procedure With Enhanced Absorption for Bandpass Nonreciprocal Application. IEEE Microwave and Wireless Components Letters, 2021, 31, 533-536.	2.0	5
22	Iterated Crank-Nicolson Procedure With Enhanced Absorption for Nonuniform Domains. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2022, 7, 61-68.	1.4	5
23	Simulation of Electromagnetic Performance on Mesh Reflector Antennas: Three-Dimensional Mesh Structures With Lumped Boundary Conditions. IEEE Transactions on Antennas and Propagation, 2015, 63, 4599-4603.	3.1	4
24	Computationally efficient complex envelope approximate Crankâ€"Nicolson scheme and its open region problem for anisotropic gyrotropic plasma. Physics of Plasmas, 2020, 27, 103302.	0.7	4
25	Modeling of Bandpass GPR Problem by HIE Procedure With Enhanced Absorption. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
26	Three-dimensional aperture principle for end-fire radiation antenna array. AIP Advances, 2021, 11, .	0.6	4
27	Efficient Enhanced Hybrid Implicit-Explicit Procedure to Gyrotropic Plasma in Open Regions With Fine Geometry Details Along Single Direction. IEEE Access, 2021, 9, 77079-77089.	2.6	4
28	Implicit Approximate Crankâ€"Nicolson Theory for Anisotropic Ferrite Structure Simulation with Enhanced Absorption. Advanced Theory and Simulations, 2021, 4, 2000309.	1.3	4
29	A Novel Circulator Construction With High Multipactor Threshold and High Isolation for Aerospace Applications. IEEE Transactions on Plasma Science, 2022, 50, 715-720.	0.6	4
30	Higher â€order perfectly matched layer for the implicit CNDGâ€FDTD algorithm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2750.	1.2	3
31	Near-Field Gain Expression for Aperture Antenna and Its Application. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1225-1229.	2.4	3
32	Novel Miniaturized All-Metal UWB Magneto-Electric Monopole (MEM) Antenna for Multistandard Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 4195-4200.	3.1	3
33	Bilinear Zâ€transform perfectly matched layer for rotational symmetric microwave structures with magnetised ferrite. IET Microwaves, Antennas and Propagation, 2020, 14, 247-252.	0.7	3
34	Bandpass leapfrog hybrid <scp>implicitâ€"explicit</scp> procedure with promoted absorption for obtaining fine geometry in a single direction. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	0.8	3
35	Exploring OTA testing for massive MIMO base stations in small region. , 2017, , .		2
36	Unconditionally stable higher order perfectly matched layer applied to terminate anisotropic magnetized plasma. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22011.	0.8	2

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37	Computationally Efficient Implicit ADI Theory and Its Open Region Problems for Anisotropic Gyrotropic Plasma Simulations. Advanced Theory and Simulations, 2020, 3, 2000166.	1.3	2
38	Computationally Efficient Locally One-Dimensional Algorithm for Open Region Ground Penetrating Radar Problem With Improved Absorption. IEEE Access, 2021, 9, 88759-88766.	2.6	2
39	Approximate Crankâ€"Nicolson Algorithm with Higher-Order PML Implementation for Plasma Simulation in Open Region Problems. International Journal of Antennas and Propagation, 2021, 2021, 1-12.	0.7	2
40	Characteristics of half-space electromagnetic scattering with multiple radiators. AIP Advances, 2021, 11, 045020.	0.6	2
41	Determination of Anisotropy Ratio <i>Î°/Î¼</i> for Symmetric Three-Port Circulator Using Transmission Line Equivalent Model. IEEE Transactions on Magnetics, 2021, 57, 1-6.	1.2	2
42	Simulation design of an X-band high isolation circulator. , 2020, , .		2
43	Analysis of <scp>twoâ€dimensional</scp> multipactor model for ferrite circulator junction. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e23002.	0.8	2
44	Bandpass HIE-PML Algorithm with Improved Absorption and Efficiency for Lorentz Medium. , 2021, , .		2
45	Error Analysis in Calculating RCS Using GRECO Method. , 2013, , .		1
46	A Low-Profile End-Fire Conformal Surface Wave Antenna with Capacitive Feed Structure. Sensors, 2020, 20, 7054.	2.1	1
47	Passive intermodulation of printed dipole antennas: Modeling, evaluation, and experiment. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22243.	0.8	1
48	<scp>Analysis</scp> of <scp>twoâ€dimensional</scp> multipactor model for ferrite circulator junction. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22701.	0.8	1
49	A One-Step Leapfrog ADI Procedure with Improved Absorption for Fine Geometric Details. Electronics (Switzerland), 2021, 10, 1135.	1.8	1
50	Bandpass signal formulation with hybrid <scp>implicitâ€explicit</scp> procedure in open regions for unmagnetized plasma. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	0.8	1
51	Bandpass Simulation of Anisotropic Magnetized Ferrite Material With Alternating Direction Implicit Scheme in Open Region. IEEE Transactions on Magnetics, 2022, 58, 1-8.	1.2	1
52	Lift-Off Effect in Microwave Surface Resistance Measurement Using Ring Dielectric Resonator. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-2.	2.4	1
53	Quantization expression method of electromagnetic environment outside airplane. , 2010, , .		0
54	The Analysis of the Electromagnetic Performance of Planar Mesh Reflector Based on the Electrical Contact Model of Metallic Junction. , 2015, , .		0

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55	An extraction method of MIM barrier voltage for PIM prediction on mesh reflector. , 2016, , .		0
56	Impedance of cylindrical dipole during hypersonic flight. , 2016, , .		0
57	A miniaturized wide-band planar monopole antenna. , 2016, , .		0
58	Electromagnetic–circuit co–simulation of very fast transient overvoltage in gas–insulated switches. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, S11.	0.8	0
59	A radar simulation system based on the path files. , 2016, , .		0
60	Influence of plasma on antenna and design of tunable matching network. , 2017, , .		0
61	A Novel Data Segmentation-Based Approach for Validating the Narrowband Radar Data by the Feature Selective Validation Method. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 140-148.	1.4	0
62	A Quantitative Analysis of Electromagnetic Simulation Model Credibility. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 34-38.	2.4	0
63	UWB Low-Profile Boat-Radiator Antenna (BRA) with Dual C-Shape Co-Radiative Ground for Multi-Standard Communication Networks. Sensors, 2020, 20, 7051.	2.1	0
64	Bandpass Crank–Nicolson form with approximation and absorption for nonreciprocal ferrite material. Journal of Electromagnetic Waves and Applications, 2022, 36, 706-721.	1.0	0
65	Narrow–bandpass Crank–Nicolson algorithm with enhanced absorbing performance for metamaterials. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, e2966.	1.2	0
66	Narrow-band anisotropic magnetized ferrite material simulation by approximate Crank–Nicolson procedure with improved nearly absorbing condition. Journal of Electromagnetic Waves and Applications, 2022, 36, 1813-1837.	1.0	0
67	Multi-radiators Scattering Characteristic Solver via ARCS Theory and GPU Acceleration. , 2021, , .		0
68	Narrow-Bandpass One-Step Leapfrog Hybrid Implicit-Explicit Algorithm with Convolutional Boundary Condition for Its Applications in Sensors. Sensors, 2022, 22, 4445.	2.1	0