Zhenhong Fan

List of Publications by Year
in descending order

43 papers	292 citations	759233 12 h-index	940533 16 g-index
43 all docs	43 docs citations	43 times ranked	271 citing authors

#	Article	IF	Citations
1	An Efficient Approach for the Synthesis of Large Sparse Planar Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 7320-7330.	5.1	35
2	Efficient Analysis of EM Scattering From Bodies of Revolution via the ACA. IEEE Transactions on Antennas and Propagation, 2014, 62, 983-985.	5.1	31
3	Adaptive Neighborhood-Preserving Discriminant Projection Method for HRRP-Based Radar Target Recognition. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 650-653.	4.0	22
4	A fluid model simulation of a simplified plasma limiter based on spectral-element time-domain method. Physics of Plasmas, 2015, 22, .	1.9	20
5	CUCA Based Equivalent Fractional Order OAM Mode for Electromagnetic Vortex Imaging. IEEE Access, 2020, 8, 91070-91075.	4.2	19
6	A Doubly Hierarchical MoM for High-Fidelity Modeling of Multiscale Structures. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 1103-1111.	2.2	16
7	Analysis of transient electromagnetic scattering using UV method enhanced timeâ€domain integral equations with Laguerre polynomials. Microwave and Optical Technology Letters, 2011, 53, 158-163.	1.4	15
8	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
9	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
10	Electromagnetic Scattering Analysis of a Conductor Coated by Multilayer Thin Materials. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1033-1036.	4.0	14
11	Radar Target Recognition Based on Multi-Directional E-Pulse Technique. IEEE Transactions on Antennas and Propagation, 2013, 61, 5838-5843.	5.1	13
12	Efficient method for evaluation of second-harmonic generation by surface integral equation. Optics Express, 2017, 25, 28010.	3.4	12
13	AN EFFICIENT SAI PRECONDITIONING TECHNIQUE FOR HIGHER ORDER HIERARCHICAL MLFMM IMPLEMENTATION. Progress in Electromagnetics Research, 2008, 88, 255-273.	4.4	8
14	Fast analysis of threeâ€dimensional electromagnetic problems using dualâ€primal finiteâ€element tearing and interconnecting method combined with â„‹â€matrix technique. IET Microwaves, Antennas and Propagation, 2015, 9, 640-647.	1.4	8
15	Fast Wideband Scattering Analysis Based on Taylor Expansion and Higher-Order Hierarchical Vector Basis Functions. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 579-582.	4.0	7
16	A Multilevel FFT Method for the 3-D Capacitance Extraction. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2013, 32, 318-322.	2.7	6
17	Novel postcompression technique in the matrix decomposition algorithm for the analysis of electromagnetic problems. Radio Science, 2012, 47, .	1.6	4
18	Mixed Innerâ€"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

#	ARTICLE	IF	CITATIONS
19	Modified compressed block decomposition preconditioner for electromagnetic problems. Microwave and Optical Technology Letters, 2011, 53, 1915-1919.	1.4	3
20	Investigation of Multigrid Preconditioner for Integral Equation Fast Analysis of Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2014, 62, 3091-3099.	5.1	3
21	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
22	Wide-angle and high-efficiency flat retroreflector. Optics Express, 2022, 30, 27249.	3.4	3
23	Fast analysis of finite and curved frequency selective surfaces using the VSIE with MLFMA. , 2010, , .		2
24	Efficient matrix filling of multilevel simply sparse method via multilevel fast multipole algorithm. Radio Science, 2011, 46, .	1.6	2
25	An Efficient Solution for the Transient Electromagnetic Scattering From Discrete Body of Revolution. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 670-673.	4.0	2
26	Analysis of dielectric resonator antennas using characteristic modes. , 2016, , .		2
27	Highâ€resolution passive imaging by electromagnetic vortex beams. Microwave and Optical Technology Letters, 0, , .	1.4	2
28	Meshed ground microstrip antennas with low radar cross section. , 2011, , .		1
29	FEM full-wave simulations with an efficient parameterized model order reduction technique. , 2012, , .		1
30	Complex Source Beam Method for EM Scattering From PEC Objects. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 346-349.	4.0	1
31	Parallel implementation of unconditionally stable discontinuous Galerkin finite element time-domain method. , 2016, , .		1
32	Synthesis of Nonuniformly Spaced Wideband Linear Arrays with MSM-FOCUSS Algorithm. , 2018, , .		1
33	High-order DGTD for Solving EM Scattering from Hypersonic Aircraft with Plasma Sheath. , 2019, , .		1
34	Marching-on-in-degree solver of time domain finite element-boundary integral method. , 2012, , .		0
35	An equivalent dipole-moment method combined with multilevel adaptive cross approximation for PEC targets. , 2012, , .		0
36	Analysis of electromagnetic scattering from an object above rough surface by using characteristic basis functions and ACA scheme. , 2012, , .		0

#	Article	IF	Citations
37	Matrix interpolation of the adaptive cross approximation matrix for multilayer structures problems. , 2012, , .		0
38	A marching-on-in-degree solution with volume surface integral equation for the scattering of composite bodies of revolution. , 2016, , .		0
39	Adaptive multilevel fast multipole algorithm with AEFIE for multiscale problems. , 2016, , .		0
40	A Novel Band-Notched UWB Conformal Antenna Combined with the Method of Circuitry. , 2018, , .		0
41	DOA Estimation based on Sparse Representation of Covariance Matrix for 4- D Antenna Arrays. , 2018, , .		0
42	Harmonic Analysis in Gaseous Helium by Coherent Schrödinger-Maxwell Method. IEEE Access, 2019, 7, 127631-127638.	4.2	0
43	Synthesis of Uniformly Excited Sparse Planar Array Based on Matrix Mapping and Genetic Algorithm. , 2018, , .		0