Shi-Fei Tao

List of Publications by Year
in descending order

36 papers	146 citations	1307594 7 h-index	1281871 11 g-index
36 all docs	36 docs citations	36 times ranked	124 citing authors

#	Article	IF	Citations
1	Highly Integrated Beam Scanning Groove Gap Waveguide Leaky Wave Antenna Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 5112-5117.	5.1	21
2	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
3	Electromagnetic Scattering Analysis of a Conductor Coated by Multilayer Thin Materials. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1033-1036.	4.0	14
4	A Higher-Order Solution of Volume Integral Equation for Electromagnetic Scattering From Inhomogeneous Objects. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 627-630.	4.0	12
5	Fast analysis of finite and curved frequencyâ€selective surfaces using the VSIE with MLFMA. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2011, 24, 425-436.	1.9	11
6	A Novel Broadband Monopole Antenna with T-Slot, CB-CPW, Parasitic Stripe and Heart-Shaped Slice for 5G Applications. Sensors, 2020, 20, 7002.	3.8	11
7	A Double-Layer Multibeam Antenna With 45Â° Linear Polarization Based on Gap Waveguide Technology. IEEE Transactions on Antennas and Propagation, 2022, 70, 56-66.	5.1	8
8	A Higher Order NystrÃ¶m 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
9	Target Localization Based on Intermodulation Feedback for Multisine Wireless Power Transmission Using a Time-Modulated Array. IEEE Access, 2020, 8, 59169-59181.	4.2	7
10	Convolutional Neural Network with a Learnable Spatial Activation Function for SAR Image Despeckling and Forest Image Analysis. Remote Sensing, 2021, 13, 3444.	4.0	5
11	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
12	An Anisotropic Thin Dielectric Sheet Method for Analysis of Magnetized Graphene. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 279-282.	4.0	4
13	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
14	Target Recognition Based on Attributed Scattering Center Models. , 2018, , .		3
15	A Wideband Endfire Double Dipole Antenna Fed From Double-Ridge Gap Waveguides for Multibeam Array Application. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 760-764.	4.0	3
16	Fast analysis of finite and curved frequency selective surfaces using the VSIE with MLFMA. , 2010, , .		2
17	Design of Shaped Multibeam Reflector Antenna Based on Cognitive Behavior Optimization Algorithm. , 2018, , .		2
18	Multi Radar Imaging Based on Variational Bayesian Block Sparse Method. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Multi‐radar fusion technique for high‐resolution ISAR imaging in sea‐cluttered environment. Journal of Engineering, 2019, 2019, 6898-6901.	1.1	2
20	Electromagnetic Scattering Analysis of A Conductor Coated by Thin Bi‐Isotropy Media. Microwave and Optical Technology Letters, 2013, 55, 2354-2358.	1.4	1
21	Complex Source Beam Method for EM Scattering From PEC Objects. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 346-349.	4.0	1
22	Shape Optimization Design of Multi-beam Reflector Antenna based on Multi-objective Particle Swarm Optimization. , 2018, , .		1
23	60 GHz dual‐polarized magneto‐electric dipole antenna array with hybrid gap waveguide feeding network in low temperature co‐fired ceramic technology. Microwave and Optical Technology Letters, 0, , .	1.4	1
24	Multi‐radar target parameter estimation and fusion based on attribute scattering centre model. Journal of Engineering, 2019, 2019, 6894-6897.	1.1	1
25	Research on W‐band <scp>high‐gain magneto‐electric</scp> dipole antenna based on <scp>double‐sided</scp> gap waveguide. Microwave and Optical Technology Letters, 2022, 64, 377-381.	1.4	1
26	Broadband <scp>low‐profile</scp> monopole antenna design with <scp>coplanar waveguide</scp> , <scp>substrate integrated waveguide,</scp> and slots based on characteristic mode theory. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
27	An improved equivalent acceleration imaging approach for spaceborne sliding spotlight SAR. AIP Advances, 2022, 12, 045008.	1.3	1
28	DOA Estimation based on Sparse Representation of Covariance Matrix for 4- D Antenna Arrays. , 2018, , .		0
29	Adaptive Beamforming with Low Sidelobe in Fundamental Component of 4- D Antenna Arrays. , 2018, , .		0
30	A Periodic Thin Dielectric Sheet Integral Method for Scattering Characteristics of Tunable Graphene. , 2018, , .		0
31	Full polarisation ISAR imaging based on joint sparse Bayesian compressive sensing. Journal of Engineering, 2019, 2019, 6947-6950.	1.1	0
32	A Quasi-travelling Wave Slot Array Based on MEMS Technology. , 2021, , .		0
33	Design of LTCC Millimeter Wave Broadband Array Antenna Based on Characteristic Mode Theory. , 2021, , .		0
34	Broadband Monopole Antenna Design with Integrated CB-CPW, SIW and Slots Structure. , 2021, , .		0
35	Optimum Array Beamforming for Multiple Desired Signals via the Branch-and-Bound Algorithm. , 2021, , .		0
36	Recognition of Electromagnetic Signals Based on the Spiking Convolutional Neural Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	1.2	0