Wending Mai

List of Publications by Year
in descending order

23 papers	147 citations	1307594 7 h-index	1199594 12 g-index
23 all docs	23 docs citations	23 times ranked	74 citing authors

#	Article	IF	Citations
1	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.	4.0	28
2	Complete polarization conversion using anisotropic temporal slabs. Optics Letters, 2021, 46, 1373.	3.3	20
3	An Efficient and Stable 2-D/3-D Hybrid Discontinuous Galerkin Time-Domain Analysis With Adaptive Criterion for Arbitrarily Shaped Antipads in Dispersive Parallel-Plate Pair. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3671-3681.	4.6	16
4	Broadband transparent chiral mirrors: Design methodology and bandwidth analysis. AIP Advances, 2019, 9, .	1.3	15
5	Generalized temporal transfer matrix method: a systematic approach to solving electromagnetic wave scattering in temporally stratified structures. Nanophotonics, 2022, 11, 1309-1320.	6.0	14
6	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.	4.6	11
7	Characterizing EMI radiation physics for edge-and broad-side coupled connectors. , 2017, , .		8
8	Antireflection temporal coatings: comment. Optica, 2021, 8, 824.	9.3	8
9	An efficient 2D/3D hybrid DGTD transient analysis for arbitrarily shaped anti-pads in power-ground plate-pair. , 2017, , .		6
10	2-D/3-D Hybrid DGTD Method with Adaptive Criterion Controlling 2-D Simplification Error. , 2018, , .		4
11	A Knotted Metamolecule with Axisymmetric Strong Optical Activity. Advanced Optical Materials, 2020, 8, 2000948.	7.3	4
12	Prismatic discontinuous Galerkin time domain method with an integrated generalized dispersion model for efficient optical metasurface analysis. Optical Materials Express, 2020, 10, 2542.	3.0	4
13	Analytical transient analysis of temporal boundary value problems using the d'Alembert formula. Optics Letters, 2021, 46, 5727.	3.3	4
14	Conductive mixed-order generalized dispersion model for noble metals in the optical regime. Optics Express, 2021, 29, 30520.	3.4	2
15	A Predictive Criterion for 2D/3D DGTD Method Based on the CFL Condition. , 2019, , .		1
16	Early Detection of Neurological Degenerative Diseases Based on the Protein Chirality Detection with Microwaves. , 2020, , .		1
17	Temporal multi-stage energy pumping. Optics Letters, 2022, 47, 2494-2497.	3.3	1
18	An Improved Simultaneous Stage-wise Weak Orthogonal Matching Pursuit Algorithm for Microwave Brain Stroke Imaging. , 2020, , .		0

#	Article	IF	Citations
19	Discontinuous Galerkin Time Domain Method with Dispersive Modified Debye Model and its Application to the Analysis of Optical Frequency Selective Surfaces. Applied Computational Electromagnetics Society Journal, 2021, 36, 27-34.	0.4	0
20	Can Knots Exhibit Both Chirality and Rotational Symmetry?. , 2021, , .		0
21	Prism-based Discontinuous Galerkin Time Domain Analysis of Frequency Selective Surfaces in Lossy Water. , 2020, , .		0
22	A Discontinuous Galerkin Time Domain Solver with Generalized Dispersion Model and its Application to the Analysis of Thin Pixelized Optical Metasurfaces. , 2020, , .		0
23	Solving Electromagnetic Wave Equations with Time Varying Characteristics Curves. , 2022, , .		0