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	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
2	Temporal multi-stage energy pumping. Optics Letters, 2022, 47, 2494-2497.	3.3	1
3	Solving Electromagnetic Wave Equations with Time Varying Characteristics Curves. , 2022, , .		0
4	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
5	Complete polarization conversion using anisotropic temporal slabs. Optics Letters, 2021, 46, 1373.	3.3	20
6	Antireflection temporal coatings: comment. Optica, 2021, 8, 824.	9.3	8
7	Conductive mixed-order generalized dispersion model for noble metals in the optical regime. Optics Express, 2021, 29, 30520.	3.4	2
8	Can Knots Exhibit Both Chirality and Rotational Symmetry?. , 2021, , .		0
9	Analytical transient analysis of temporal boundary value problems using the d'Alembert formula. Optics Letters, 2021, 46, 5727.	3.3	4
10	An Improved Simultaneous Stage-wise Weak Orthogonal Matching Pursuit Algorithm for Microwave Brain Stroke Imaging. , 2020, , .		0
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	Early Detection of Neurological Degenerative Diseases Based on the Protein Chirality Detection with Microwaves. , 2020, , .		1
14	Prism-based Discontinuous Galerkin Time Domain Analysis of Frequency Selective Surfaces in Lossy Water. , 2020, , .		0
15	A Discontinuous Galerkin Time Domain Solver with Generalized Dispersion Model and its Application to the Analysis of Thin Pixelized Optical Metasurfaces. , 2020, , .		0
16	A Predictive Criterion for 2D/3D DGTD Method Based on the CFL Condition. , 2019, , .		1
17	Broadband transparent chiral mirrors: Design methodology and bandwidth analysis. AIP Advances, 2019, 9, .	1.3	15
18	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

#	Article	IF	Citations
19	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
20	2-D/3-D Hybrid DGTD Method with Adaptive Criterion Controlling 2-D Simplification Error. , 2018, , .		4
21	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
22	An efficient 2D/3D hybrid DGTD transient analysis for arbitrarily shaped anti-pads in power-ground plate-pair. , 2017, , .		6
23	Characterizing EMI radiation physics for edge-and broad-side coupled connectors. , 2017, , .		8