

Kaikun Niu

List of Publications by Year in descending order

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16
papers

189
citations

1163117

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1474206

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times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	An Efficient 3-D Stochastic HIE-FDTD Algorithm for Investigation of Statistical Variation in Electromagnetic Field. IEEE Transactions on Antennas and Propagation, 2020, 68, 8227-8232.	5.1	12
2	Optical-electrical-thermal optimization of plasmon-enhanced perovskite solar cells. Physical Chemistry Chemical Physics, 2020, 22, 17068-17074.	2.8	20
3	Numerical Methods for Electromagnetic Modeling of Graphene: A Review. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 44-58.	2.2	17
4	Linear and nonlinear spin-orbital coupling in golden-angle spiral quasicrystals. Optics Express, 2020, 28, 334.	3.4	11
5	Coupling of Gain Medium and Extraordinary Optical Transmission for Effective Loss Compensation. IEEE Access, 2018, 6, 14820-14826.	4.2	6
6	3D optimised hybrid implicit–explicit FDTD method with suppressed numerical dispersion. Electronics Letters, 2018, 54, 335-336.	1.0	14
7	Investigation of broadband terahertz generation from metasurface. Optics Express, 2018, 26, 14241.	3.4	29
8	An Optimized 3-D HIE-FDTD Method With Reduced Numerical Dispersion. IEEE Transactions on Antennas and Propagation, 2018, 66, 6435-6440.	5.1	36
9	Extraordinary optical transmission coupled to a gain medium through periodic arrays of subwavelength apertures. , 2017, , .		1
10	An optimized artificially anisotropic WCS-FDTD method with reduced numerical dispersion. , 2017, , .		0
11	The self-consistent model incorporating the gain into a dispersive metamaterial nanostructure. , 2017, , .		0
12	Optimization of the Artificially Anisotropic Parameters in WCS-FDTD Method for Reducing Numerical Dispersion. IEEE Transactions on Antennas and Propagation, 2017, 65, 7389-7394.	5.1	39
13	Study on the nonlocal surface plasmon resonance properties of Au nanotubes. , 2016, , .		0
14	An artificial anisotropy WCS-FDTD method. , 2016, , .		3
15	A theoretical analysis of quantum-corrected model in metal nanowire dimer. , 2016, , .		0
16	Modeling nonlinear responses in metallic metamaterials by the FDTD solution to Maxwell-hydrodynamic equations. , 2016, , .		1