Zhili Lin

List of Publications by Year
in descending order

52 papers	449 citations	759233 12 h-index	839539 18 g-index
52 all docs	52 docs citations	52 times ranked	482 citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Attenuation Prediction of Dye-Doped PMMA Microfibers by Backpropagation Neural Network. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	0
2	Investigation of three topological edge states in honeycomb lattices based on graphene plasmonic crystal. Journal Physics D: Applied Physics, 2022, 55, 275102.	2.8	3
3	Group Velocity Modulation and Light Field Focusing of the Edge States in Chirped Valley Graphene Plasmonic Metamaterials. Nanomaterials, 2021, 11, 1808.	4.1	3
4	Study on the difference in exciton generation processes for a single host and exciplex-type co-host. Optics Letters, 2021, 46, 4840.	3.3	5
5	Quantitative Analysis of Structural Parameters Importance of Helical Temperature Microfiber Sensor by Artificial Neural Network. IEEE Access, 2021, 9, 148156-148163.	4.2	6
6	Tunable Plasmonic Talbot Effect Based on Graphene Monolayer. Applied Sciences (Switzerland), 2020, 10, 4782.	2.5	5
7	Negative Group Velocity Plasmons Propagating in Waveguides Composed of Graphene Metamaterials. IEEE Access, 2020, 8, 142250-142258.	4.2	4
8	Multiple Fano Resonances with Tunable Electromagnetic Properties in Graphene Plasmonic Metamolecules. Nanomaterials, 2020, 10, 236.	4.1	10
9	Impact of Nonlinear Kerr Effect on the Focusing Performance of Optical Lens with High-Intensity Laser Incidence. Applied Sciences (Switzerland), 2020, 10, 1945.	2.5	1
10	Chiral graphene plasmonic Archimedesâ€™ spiral nanostructure with tunable circular dichroism and enhanced sensing performance. Optics Express, 2020, 28, 31954.	3.4	9
11	Backpropagation neural network assisted concentration prediction of biconical microfiber sensors. Optics Express, 2020, 28, 37566.	3.4	6
12	Visually Adjusting Coupling Conditions in Light-Emitting Micro-Components. IEEE Photonics Technology Letters, 2019, 31, 1425-1428.	2.5	5
13	Refractive index from negative to positive with frequencies at the Dirac-like cone in a photonic crystal. Optical and Quantum Electronics, 2019, 51, 1.	3.3	0
14	Effect of Nanodisks at Different Positions on the Fano Resonance of Graphene Heptamers. Applied Sciences (Switzerland), 2019, 9, 4345.	2.5	0
15	The role of the symmetry on the electromagnetic properties of the graphene plasmonic trimer. Optik, 2019, 181, 301-307.	2.9	1
16	Highly accurate field-magnitude extraction of monochromatic light waves under FDTD simulations. Optik, 2019, 179, 848-853.	2.9	3
17	Accuracy and von Neumann stability of several highly accurate FDTD approaches for modelling Debyeâ€type dielectric dispersion. IET Microwaves, Antennas and Propagation, 2018, 12, 211-216.	1.4	2
18	On the Optimal Switch Functions for Fast FDTD Monochromatic Lightwave Generation. IEEE Photonics Technology Letters, 2018, 30, 115-118.	2.5	0

#	Article	IF	Citations
19	Dynamic tailoring of electromagnetic behaviors of graphene plasmonic oligomers by local chemical potential. Physical Chemistry Chemical Physics, 2018, 20, 16695-16703.	2.8	6
20	Experimental investigation on a nonuniformly correlated partially coherent laser. Applied Optics, 2018, 57, 4381.	1.8	3
21	Double closed-loop control of integrated optical resonance gyroscope with mean-square exponential stability. Optics Express, 2018, 26, 1145.	3.4	26
22	Dual-cavity digital laser for intra-cavity mode shaping and polarization control. Optics Express, 2018, 26, 18182.	3.4	13
23	Ponderomotive interaction of high-power cylindrical vector beams with plasma. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1415.	2.1	1
24	Symmetry-Breaking Effect on the Electromagnetic Properties of Plasmonic Trimers Composed of Graphene Nanodisks. Applied Sciences (Switzerland), 2018, 8, 374.	2.5	3
25	Propagation Characteristics of High-Power Vortex Laguerre-Gaussian Laser Beams in Plasma. Applied Sciences (Switzerland), 2018, 8, 665.	2.5	6
26	Pseudospin Dependent One-Way Transmission in Graphene-Based Topological Plasmonic Crystals. Nanoscale Research Letters, 2018, 13, 113.	5.7	10
27	Ultra-compact tunable graphene-based plasmonic multimode interference power splitter in mid infrared frequencies. Science China Information Sciences, 2017, 60, 1.	4.3	9
28	Electromagnetic field coupling characteristics in graphene plasmonic oligomers: from isolated to collective modes. Physical Chemistry Chemical Physics, 2017, 19, 14671-14679.	2.8	13
29	Dynamically Tunable Plasmon-Induced Transparency in On-chip Graphene-Based Asymmetrical Nanocavity-Coupled Waveguide System. Nanoscale Research Letters, 2017, 12, 374.	5.7	16
30	Investigation of beam splitter in a zero-refractive-index photonic crystal at the frequency of Dirac-like point. Scientific Reports, 2017, 7, 9588.	3.3	8
31	Novel optical filters based on curved grating structure. Optics Communications, 2017, 387, 61-64.	2.1	0
32	Dynamic probabilistic shaping modulation based on fixed-to-fixed symbols projection constant composition distribution matching. , 2017, , .		1
33	Realization of conical dispersion and zero-refractive-index in graphene plasmonic crystal. Optics Express, 2017, 25, 33350.	3.4	4
34	Modeling the ponderomotive interaction of high-power laser beams with collisional plasma: the FDTD-based approach. Optics Express, 2017, 25, 8440.	3.4	7
35	Topologically protected edge states in graphene plasmonic crystals. Optics Express, 2017, 25, 22587.	3.4	29
36	Optimization of the Fano Resonance Lineshape Based on Graphene Plasmonic Hexamer in Mid-Infrared Frequencies. Nanomaterials, 2017, 7, 238.	4.1	25

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37	Analysis of the Light Propagation Model of the Optical Voltage Sensor for Suppressing Unreciprocal Errors. Sensors, 2017, 17, 85.	3.8	7
38	Mode Coupling Properties of the Plasmonic Dimers Composed of Graphene Nanodisks. Applied Sciences (Switzerland), 2017, 7, 359.	2.5	10
39	Colorimetric detection of melamine in milk by using gold nanoparticles-based LSPR via optical fibers. PLoS ONE, 2017, 12, e0177131.	2.5	38
40	Investigation of the Band Structure of Graphene-Based Plasmonic Photonic Crystals. Nanomaterials, 2016, 6, 166.	4.1	9
41	Generation of stochastic electromagnetic beams with complete controllable coherence. Optics Express, 2016, 24, 21587.	3.4	18
42	High-Energy Nanosecond Optical Vortex Output From Nd:YAG Amplifiers. IEEE Photonics Technology Letters, 2016, 28, 1271-1274.	2.5	10
43	Analysis and Design of Loop Gains to Optimize the Dynamic Performance of Optical Voltage Sensor Based on Pockels Effect. Journal of Lightwave Technology, 2015, 33, 3108-3115.	4.6	6
44	An Analysis on the Optimization of Closed-Loop Detection Method for Optical Voltage Sensor Based on Pockels Effect. Journal of Lightwave Technology, 2014, 32, 1006-1013.	4.6	11
45	Design of Closed-Loop Detection System for Optical Voltage Sensors Based on Pockels Effect. Journal of Lightwave Technology, 2013, 31, 1921-1928.	4.6	11
46	Signal Detection for Optical AC and DC Voltage Sensors Based on Pockels Effect. IEEE Sensors Journal, 2013, 13, 2245-2252.	4.7	14
47	A Full-Spectrum Numerical-Dispersion Compensation Technique for the Pseudospectral Time-Domain Method. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 212-215.	4.0	1
48	On the FDTD Formulations for Modeling Wideband Lorentzian Media. IEEE Transactions on Antennas and Propagation, 2011, 59, 1338-1346.	5.1	10
49	A Generally Optimized FDTD Model for Simulating Arbitrary Dispersion Based on the Maclaurin Series Expansion. Journal of Lightwave Technology, 2010, 28, 2843-2850.	4.6	12
50	On the FDTD Formulations for Biological Tissues With Coleâ€"Cole Dispersion. IEEE Microwave and Wireless Components Letters, 2010, 20, 244-246.	3.2	12
51	A Highly Accurate FDTD Model for Simulating Lorentz Dielectric Dispersion. IEEE Photonics Technology Letters, 2009, 21, 1692-1694.	2.5	9
52	On the Accuracy and Stability of Several Widely Used FDTD Approaches for Modeling Lorentz Dielectrics. IEEE Transactions on Antennas and Propagation, 2009, 57, 3378-3381.	5.1	28