

# Weibin Qiu

## List of Publications by Year in descending order

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46  
papers

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citations

932766

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940134

16  
g-index

46  
all docs

46  
docs citations

46  
times ranked

352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flat band of Kagome lattice in graphene plasmonic crystals. Journal Physics D: Applied Physics, 2022, 55, 065106.	1.3	5
2	Investigation of three topological edge states in honeycomb lattices based on graphene plasmonic crystal. Journal Physics D: Applied Physics, 2022, 55, 275102.	1.3	3
3	Axial tunable plasmonic talbot effect based on monolayer graphene. Physica Scripta, 2021, 96, 115502.	1.2	0
4	Group Velocity Modulation and Light Field Focusing of the Edge States in Chirped Valley Graphene Plasmonic Metamaterials. Nanomaterials, 2021, 11, 1808.	1.9	3
5	Tunable Plasmonic Talbot Effect Based on Graphene Monolayer. Applied Sciences (Switzerland), 2020, 10, 4782.	1.3	5
6	Negative Group Velocity Plasmons Propagating in Waveguides Composed of Graphene Metamaterials. IEEE Access, 2020, 8, 142250-142258.	2.6	4
7	“Fast” Plasmons Propagating in Graphene Plasmonic Waveguides with Negative Index Metamaterial Claddings. Nanomaterials, 2020, 10, 1637.	1.9	3
8	Multiple Fano Resonances with Tunable Electromagnetic Properties in Graphene Plasmonic Metamolecules. Nanomaterials, 2020, 10, 236.	1.9	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.	1.3	1
10	Chiral graphene plasmonic Archimedes™ spiral nanostructure with tunable circular dichroism and enhanced sensing performance. Optics Express, 2020, 28, 31954.	1.7	9
11	Investigation of fast light in three-layer waveguides composed of negative-refraction claddings and an air core. Journal Physics D: Applied Physics, 2019, 52, 495105.	1.3	0
12	Refractive index from negative to positive with frequencies at the Dirac-like cone in a photonic crystal. Optical and Quantum Electronics, 2019, 51, 1.	1.5	0
13	Effect of Nanodisks at Different Positions on the Fano Resonance of Graphene Heptamers. Applied Sciences (Switzerland), 2019, 9, 4345.	1.3	0
14	The role of the symmetry on the electromagnetic properties of the graphene plasmonic trimer. Optik, 2019, 181, 301-307.	1.4	1
15	Highly accurate field-magnitude extraction of monochromatic light waves under FDTD simulations. Optik, 2019, 179, 848-853.	1.4	3
16	Plasmonic valley chiral states in graphene based plasmonic crystals. Journal Physics D: Applied Physics, 2019, 52, 015102.	1.3	6
17	Accuracy and von Neumann stability of several highly accurate FDTD approaches for modelling Debye-type dielectric dispersion. IET Microwaves, Antennas and Propagation, 2018, 12, 211-216.	0.7	2
18	On the Optimal Switch Functions for Fast FDTD Monochromatic Lightwave Generation. IEEE Photonics Technology Letters, 2018, 30, 115-118.	1.3	0

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19	A flexible control on electromagnetic behaviors of graphene oligomer by tuning chemical potential. <i>Nanoscale Research Letters</i> , 2018, 13, 349.	3.1	4
20	Dynamic tailoring of electromagnetic behaviors of graphene plasmonic oligomers by local chemical potential. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16695-16703.	1.3	6
21	Ponderomotive interaction of high-power cylindrical vector beams with plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1415.	0.9	1
22	Symmetry-Breaking Effect on the Electromagnetic Properties of Plasmonic Trimers Composed of Graphene Nanodisks. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 374.	1.3	3
23	Propagation Characteristics of High-Power Vortex Laguerre-Gaussian Laser Beams in Plasma. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 665.	1.3	6
24	Pseudospin Dependent One-Way Transmission in Graphene-Based Topological Plasmonic Crystals. <i>Nanoscale Research Letters</i> , 2018, 13, 113.	3.1	10
25	Generating and tuning the Fano resonance by graphene oligomers with different nanostructures. , 2018, , .		0
26	Coupling of Whispering-Gallery Modes in the Graphene Nanodisk Plasmonic Dimers. <i>Plasmonics</i> , 2017, 12, 39-45.	1.8	9
27	Ultra-compact tunable graphene-based plasmonic multimode interference power splitter in mid infrared frequencies. <i>Science China Information Sciences</i> , 2017, 60, 1.	2.7	9
28	Electromagnetic field coupling characteristics in graphene plasmonic oligomers: from isolated to collective modes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14671-14679.	1.3	13
29	Dynamically Tunable Plasmon-Induced Transparency in On-chip Graphene-Based Asymmetrical Nanocavity-Coupled Waveguide System. <i>Nanoscale Research Letters</i> , 2017, 12, 374.	3.1	16
30	Investigation of beam splitter in a zero-refractive-index photonic crystal at the frequency of Dirac-like point. <i>Scientific Reports</i> , 2017, 7, 9588.	1.6	8
31	Novel optical filters based on curved grating structure. <i>Optics Communications</i> , 2017, 387, 61-64.	1.0	0
32	Realization of conical dispersion and zero-refractive-index in graphene plasmonic crystal. <i>Optics Express</i> , 2017, 25, 33350.	1.7	4
33	Modeling the ponderomotive interaction of high-power laser beams with collisional plasma: the FDTD-based approach. <i>Optics Express</i> , 2017, 25, 8440.	1.7	7
34	Topologically protected edge states in graphene plasmonic crystals. <i>Optics Express</i> , 2017, 25, 22587.	1.7	29
35	Optimization of the Fano Resonance Lineshape Based on Graphene Plasmonic Hexamer in Mid-Infrared Frequencies. <i>Nanomaterials</i> , 2017, 7, 238.	1.9	25
36	Mode Coupling Properties of the Plasmonic Dimers Composed of Graphene Nanodisks. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 359.	1.3	10

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37	Investigation of the Band Structure of Graphene-Based Plasmonic Photonic Crystals. <i>Nanomaterials</i> , 2016, 6, 166.	1.9	9
38	Investigation of the tunable plasmonic whispering gallery mode properties for graphene monolayer nanodisk cavities. <i>Optik</i> , 2016, 127, 5591-5596.	1.4	3
39	Plasmonic mode analysis of deep subwavelength graphene nanoribbon waveguides. <i>Journal of Nanophotonics</i> , 2016, 10, 016003.	0.4	4
40	Investigation of plasmonic whispering gallery modes of graphene equilateral triangle nanocavities. <i>Science China Information Sciences</i> , 2016, 59, 1.	2.7	5
41	Analysis of mode characteristics and output efficiency of graphene equilateral triangle nanocavity with vertex output waveguide. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	0
42	Ultrabroad Band Rainbow Capture and Releasing in Graded Chemical Potential Distributed Graphene Monolayer. <i>Plasmonics</i> , 2015, 10, 1023-1028.	1.8	6
43	Surface-plasmon-polariton whispering-gallery mode analysis of the graphene monolayer coated InGaAs nanowire cavity. <i>Optics Express</i> , 2014, 22, 5754.	1.7	52
44	Nanofocusing of mid-infrared electromagnetic waves on graphene monolayer. <i>Applied Physics Letters</i> , 2014, 104, 041109.	1.5	24
45	Investigation of plasmonic whispering-gallery mode characteristics for graphene monolayer coated dielectric nanodisks. <i>Optics Letters</i> , 2014, 39, 5527.	1.7	15
46	A Chirped Subwavelength Grating With Both Reflection and Transmission Focusing. <i>IEEE Photonics Journal</i> , 2013, 5, 2200907-2200907.	1.0	5