

# 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

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docs citations

46  
times ranked

352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-plasmon-polariton whispering-gallery mode analysis of the graphene monolayer coated InGaAs nanowire cavity. Optics Express, 2014, 22, 5754.	1.7	52
2	Topologically protected edge states in graphene plasmonic crystals. Optics Express, 2017, 25, 22587.	1.7	29
3	Optimization of the Fano Resonance Lineshape Based on Graphene Plasmonic Hexamer in Mid-Infrared Frequencies. Nanomaterials, 2017, 7, 238.	1.9	25
4	Nanofocusing of mid-infrared electromagnetic waves on graphene monolayer. Applied Physics Letters, 2014, 104, 041109.	1.5	24
5	Dynamically Tunable Plasmon-Induced Transparency in On-chip Graphene-Based Asymmetrical Nanocavity-Coupled Waveguide System. Nanoscale Research Letters, 2017, 12, 374.	3.1	16
6	Investigation of plasmonic whispering-gallery mode characteristics for graphene monolayer coated dielectric nanodisks. Optics Letters, 2014, 39, 5527.	1.7	15
7	Electromagnetic field coupling characteristics in graphene plasmonic oligomers: from isolated to collective modes. Physical Chemistry Chemical Physics, 2017, 19, 14671-14679.	1.3	13
8	Mode Coupling Properties of the Plasmonic Dimers Composed of Graphene Nanodisks. Applied Sciences (Switzerland), 2017, 7, 359.	1.3	10
9	Pseudospin Dependent One-Way Transmission in Graphene-Based Topological Plasmonic Crystals. Nanoscale Research Letters, 2018, 13, 113.	3.1	10
10	Multiple Fano Resonances with Tunable Electromagnetic Properties in Graphene Plasmonic Metamolecules. Nanomaterials, 2020, 10, 236.	1.9	10
11	Investigation of the Band Structure of Graphene-Based Plasmonic Photonic Crystals. Nanomaterials, 2016, 6, 166.	1.9	9
12	Coupling of Whispering-Gallery Modes in the Graphene Nanodisk Plasmonic Dimers. Plasmonics, 2017, 12, 39-45.	1.8	9
13	Ultra-compact tunable graphene-based plasmonic multimode interference power splitter in mid infrared frequencies. Science China Information Sciences, 2017, 60, 1.	2.7	9
14	Chiral graphene plasmonic Archimedesâ€™ spiral nanostructure with tunable circular dichroism and enhanced sensing performance. Optics Express, 2020, 28, 31954.	1.7	9
15	Investigation of beam splitter in a zero-refractive-index photonic crystal at the frequency of Dirac-like point. Scientific Reports, 2017, 7, 9588.	1.6	8
16	Modeling the ponderomotive interaction of high-power laser beams with collisional plasma: the FDTD-based approach. Optics Express, 2017, 25, 8440.	1.7	7
17	Ultrabroad Band Rainbow Capture and Releasing in Graded Chemical Potential Distributed Graphene Monolayer. Plasmonics, 2015, 10, 1023-1028.	1.8	6
18	Dynamic tailoring of electromagnetic behaviors of graphene plasmonic oligomers by local chemical potential. Physical Chemistry Chemical Physics, 2018, 20, 16695-16703.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Propagation Characteristics of High-Power Vortex Laguerre-Gaussian Laser Beams in Plasma. Applied Sciences (Switzerland), 2018, 8, 665.	1.3	6
20	Plasmonic valley chiral states in graphene based plasmonic crystals. Journal Physics D: Applied Physics, 2019, 52, 015102.	1.3	6
21	Investigation of plasmonic whispering gallery modes of graphene equilateral triangle nanocavities. Science China Information Sciences, 2016, 59, 1.	2.7	5
22	Tunable Plasmonic Talbot Effect Based on Graphene Monolayer. Applied Sciences (Switzerland), 2020, 10, 4782.	1.3	5
23	A Chirped Subwavelength Grating With Both Reflection and Transmission Focusing. IEEE Photonics Journal, 2013, 5, 2200907-2200907.	1.0	5
24	Flat band of Kagome lattice in graphene plasmonic crystals. Journal Physics D: Applied Physics, 2022, 55, 065106.	1.3	5
25	Plasmonic mode analysis of deep subwavelength graphene nanoribbon waveguides. Journal of Nanophotonics, 2016, 10, 016003.	0.4	4
26	Realization of conical dispersion and zero-refractive-index in graphene plasmonic crystal. Optics Express, 2017, 25, 33350.	1.7	4
27	A flexible control on electromagnetic behaviors of graphene oligomer by tuning chemical potential. Nanoscale Research Letters, 2018, 13, 349.	3.1	4
28	Negative Group Velocity Plasmons Propagating in Waveguides Composed of Graphene Metamaterials. IEEE Access, 2020, 8, 142250-142258.	2.6	4
29	Investigation of the tunable plasmonic whispering gallery mode properties for graphene monolayer nanodisk cavities. Optik, 2016, 127, 5591-5596.	1.4	3
30	Symmetry-Breaking Effect on the Electromagnetic Properties of Plasmonic Trimers Composed of Graphene Nanodisks. Applied Sciences (Switzerland), 2018, 8, 374.	1.3	3
31	Highly accurate field-magnitude extraction of monochromatic light waves under FDTD simulations. Optik, 2019, 179, 848-853.	1.4	3
32	Fast Plasmons Propagating in Graphene Plasmonic Waveguides with Negative Index Metamaterial Claddings. Nanomaterials, 2020, 10, 1637.	1.9	3
33	Group Velocity Modulation and Light Field Focusing of the Edge States in Chirped Valley Graphene Plasmonic Metamaterials. Nanomaterials, 2021, 11, 1808.	1.9	3
34	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
35	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
36	Ponderomotive interaction of high-power cylindrical vector beams with plasma. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1415.	0.9	1

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37	The role of the symmetry on the electromagnetic properties of the graphene plasmonic trimer. <i>Optik</i> , 2019, 181, 301-307.	1.4	1
38	Impact of Nonlinear Kerr Effect on the Focusing Performance of Optical Lens with High-Intensity Laser Incidence. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1945.	1.3	1
39	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
40	Novel optical filters based on curved grating structure. <i>Optics Communications</i> , 2017, 387, 61-64.	1.0	0
41	On the Optimal Switch Functions for Fast FDTD Monochromatic Lightwave Generation. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 115-118.	1.3	0
42	Investigation of fast light in three-layer waveguides composed of negative-refraction claddings and an air core. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 495105.	1.3	0
43	Refractive index from negative to positive with frequencies at the Dirac-like cone in a photonic crystal. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	0
44	Effect of Nanodisks at Different Positions on the Fano Resonance of Graphene Heptamers. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4345.	1.3	0
45	Axial tunable plasmonic talbot effect based on monolayer graphene. <i>Physica Scripta</i> , 2021, 96, 115502.	1.2	0
46	Generating and tuning the Fano resonance by graphene oligomers with different nanostructures. , 2018, , .		0