

# Wei Zhang

## List of Publications by Year in descending order

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30  
papers

1,278  
citations

687363

13  
h-index

552781

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconductor-Metal Nanoparticle Molecules: Hybrid Excitons and the Nonlinear Fano Effect. <i>Physical Review Letters</i> , 2006, 97, 146804.	7.8	498
2	Conformation Modulated Optical Activity Enhancement in Chiral Cysteine and Au Nanorod Assemblies. <i>Journal of the American Chemical Society</i> , 2014, 136, 16104-16107.	13.7	156
3	Reconfigurable Three-Dimensional Gold Nanorod Plasmonic Nanostructures Organized on DNA Origami Tripod. <i>ACS Nano</i> , 2017, 11, 1172-1179.	14.6	129
4	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. <i>Nature Nanotechnology</i> , 2022, 17, 408-416.	31.5	83
5	Controllable Optical Activity of Gold Nanorod and Chiral Quantum Dot Assemblies. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13571-13575.	13.8	71
6	Spiral Patterning of Au Nanoparticles on Au Nanorod Surface to Form Chiral AuNR@AuNP Helical Superstructures Templated by DNA Origami. <i>Advanced Materials</i> , 2017, 29, 1606533.	21.0	71
7	Plexcitonic Optical Chirality: Strong Exciton-Plasmon Coupling in Chiral J-Aggregate-Metal Nanoparticle Complexes. <i>ACS Nano</i> , 2021, 15, 2292-2300.	14.6	38
8	Tunable optical activity of plasmonic dimers assembled by DNA origami. <i>Nanoscale</i> , 2015, 7, 9147-9152.	5.6	29
9	Tunable Circularly Polarized Luminescence from Inorganic Chiral Photonic Crystals Doped with Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	28
10	Geometric modulation of induced plasmonic circular dichroism in nanoparticle assemblies based on backaction and field enhancement. <i>Nanoscale</i> , 2018, 10, 19684-19691.	5.6	27
11	Chirality-selective transparency induced by lattice resonance in bilayer metasurfaces. <i>Photonics Research</i> , 2021, 9, 484.	7.0	21
12	Second-order nonlinear Hall effect in Weyl semimetals. <i>Physical Review B</i> , 2020, 102, .	3.2	18
13	Electron transport in carbon nanotube/RbAg4I5 film composite nanostructures modulated by optical field. <i>Applied Physics Letters</i> , 2014, 104, 243111.	3.3	10
14	Plasmonic chirality of one-dimensional arrays of twisted nanorod dimers: the cooperation of local structure and collective effect. <i>Optics Express</i> , 2019, 27, 38614.	3.4	10
15	Current response of two-band superlattices at finite temperatures. <i>Physical Review B</i> , 2000, 62, 9943-9946.	3.2	8
16	Enhanced photoelectric performance of composite nanostructures combining monolayer graphene and a RbAg4I5 film. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	8
17	Ion-modulated nonlinear electronic transport in carbon nanotube bundle/RbAg4I5 thin film composite nanostructures. <i>Journal of Applied Physics</i> , 2014, 115, 044302.	2.5	7
18	Electromagnetic Field Propagation in the One-Dimensional Silver Nanoparticle Dimer Chains: Hotspots and Energy Transport. <i>Plasmonics</i> , 2017, 12, 179-184.	3.4	7

#	ARTICLE	IF	CITATIONS
19	Superionic Modulation of Polymethylmethacrylate-Assisted Suspended Few-Layer Graphene Nanocomposites for High-Performance Photodetectors. ACS Applied Materials & Interfaces, 2019, 11, 7600-7606.	8.0	6
20	High-Responsivity Photodetector Based on a Suspended Monolayer Graphene/RbAg <sub>4</sub> I <sub>5</sub> Composite Nanostructure. ACS Applied Materials & Interfaces, 2020, 12, 50763-50771.	8.0	6
21	Three-dimensional topological plasmons in Weyl semimetals. Physical Review B, 2021, 104, .	3.2	5
22	Nonlinear current response of Weyl semimetals in the ultraquantum regime. Physical Review B, 2020, 101, .	3.2	4
23	Four-wave mixing of Weyl semimetals in a strong magnetic field. Journal of Physics Condensed Matter, 2020, 32, 275502.	1.8	3
24	Modulation of Circular Dichroism in Plasmonic Nanocomplex: The Interplay Between Symmetry Breaking and Interaction. Plasmonics, 0, , 1.	3.4	2
25	Tunable Circularly Polarized Luminescence from Inorganic Chiral Photonic Crystals Doped with Quantum Dots. Angewandte Chemie, 0, , .	2.0	2
26	Chirality at Nanoscale—Theory and Mechanism. , 2017, , 29-49.		1
27	Power-Law/Exponential Transport of Electromagnetic Field in One-Dimensional Metallic Nanoparticle Arrays. Plasmonics, 2018, 13, 2369-2376.	3.4	1
28	Ellipticity dependence of the third-order nonlinear optical response of graphene irradiated by two-color lights. Journal of Physics Condensed Matter, 2020, 32, 355004.	1.8	1
29	Second-order nonlinear optical response of graphene irradiated by two-color lights: ellipticity and phase modulation. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2594.	2.1	0
30	Nonlinear current response of Weyl semimetals to a strong dc-ac electric field in the ultraquantum regime. Physical Review B, 2022, 105, .	3.2	0