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	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. Nature Nanotechnology, 2022, 17, 408-416.	31.5	83
2	Tunable Circularly Polarized Luminescence from Inorganic Chiral Photonic Crystals Doped with Quantum Dots. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
3	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
4	Chirality-selective transparency induced by lattice resonance in bilayer metasurfaces. Photonics Research, 2021, 9, 484.	7.0	21
5	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
6	Plexcitonic Optical Chirality: Strong Excitonâ€“Plasmon Coupling in Chiral J-Aggregate-Metal Nanoparticle Complexes. ACS Nano, 2021, 15, 2292-2300.	14.6	38
7	Three-dimensional topological plasmons in Weyl semimetals. Physical Review B, 2021, 104, .	3.2	5
8	High-Responsivity Photodetector Based on a Suspended Monolayer Graphene/RbAg₄I₅ Composite Nanostructure. ACS Applied Materials & Interfaces, 2020, 12, 50763-50771.	8.0	6
9	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
10	Four-wave mixing of Weyl semimetals in a strong magnetic field. Journal of Physics Condensed Matter, 2020, 32, 275502.	1.8	3
11	Nonlinear current response of Weyl semimetals in the ultraquantum regime. Physical Review B, 2020, 101, .	3.2	4
12	Second-order nonlinear Hall effect in Weyl semimetals. Physical Review B, 2020, 102, .	3.2	18
13	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
14	Plasmonic chirality of one-dimensional arrays of twisted nanorod dimers: the cooperation of local structure and collective effect. Optics Express, 2019, 27, 38614.	3.4	10
15	Geometric modulation of induced plasmonic circular dichroism in nanoparticle assemblies based on backaction and field enhancement. Nanoscale, 2018, 10, 19684-19691.	5.6	27
16	Power-Law/Exponential Transport of Electromagnetic Field in One-Dimensional Metallic Nanoparticle Arrays. Plasmonics, 2018, 13, 2369-2376.	3.4	1
17	Reconfigurable Three-Dimensional Gold Nanorod Plasmonic Nanostructures Organized on DNA Origami Tripod. ACS Nano, 2017, 11, 1172-1179.	14.6	129
18	Spiral Patterning of Au Nanoparticles on Au Nanorod Surface to Form Chiral AuNR@AuNP Helical Superstructures Templated by DNA Origami. Advanced Materials, 2017, 29, 1606533.	21.0	71

#	Article	IF	Citations
19	Enhanced photoelectric performance of composite nanostructures combining monolayer graphene and a RbAg4I5 film. Applied Physics Letters, 2017, 110, .	3.3	8
20	Chirality at Nanoscaleâ€‰-â€‰Theory and Mechanism. , 2017, , 29-49.		1
21	Electromagnetic Field Propagation in the One-Dimensional Silver Nanoparticle Dimer Chains: Hotspots and Energy Transport. Plasmonics, 2017, 12, 179-184.	3.4	7
22	Tunable optical activity of plasmonic dimers assembled by DNA origami. Nanoscale, 2015, 7, 9147-9152.	5.6	29
23	Electron transport in carbon nanotube/RbAg4I5 film composite nanostructures modulated by optical field. Applied Physics Letters, 2014, 104, 243111.	3.3	10
24	Ion-modulated nonlinear electronic transport in carbon nanotube bundle/RbAg4I5 thin film composite nanostructures. Journal of Applied Physics, 2014, 115, 044302.	2.5	7
25	Conformation Modulated Optical Activity Enhancement in Chiral Cysteine and Au Nanorod Assemblies. Journal of the American Chemical Society, 2014, 136, 16104-16107.	13.7	156
26	Controllable Optical Activity of Gold Nanorod and Chiral Quantum Dot Assemblies. Angewandte Chemie - International Edition, 2013, 52, 13571-13575.	13.8	71
27	Semiconductor-Metal Nanoparticle Molecules: Hybrid Excitons and the Nonlinear Fano Effect. Physical Review Letters, 2006, 97, 146804.	7.8	498
28	Current response of two-band superlattices at finite temperatures. Physical Review B, 2000, 62, 9943-9946.	3.2	8
29	Modulation of Circular Dichroism in Plasmonic Nanocomplex: The Interplay Between Symmetry Breaking and Interaction. Plasmonics, 0, , 1.	3.4	2
30	Tunable Circularly Polarized Luminescence from Inorganic Chiral Photonic Crystals Doped with Quantum Dots. Angewandte Chemie, 0, , .	2.0	2