

Jiaji Cheng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

645
citations

15
h-index

24
g-index

44
ext. papers

920
ext. citations

9
avg. IF

4.14
L-index

#	Paper	IF	Citations
41	GoldHelix: Gold Nanoparticles Forming 3D Helical Superstructures with Controlled Morphology and Strong Chiroptical Property. <i>ACS Nano</i> , 2017 , 11, 3806-3818	16.7	78
40	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. <i>ACS Nano</i> , 2018 , 12, 5341-5350	16.7	73
39	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5208-5214	3.8	45
38	A Visible- and NIR-Light Responsive Photothermal Therapy Agent by Chirality-Dependent MoO ₃ x Nanoparticles. <i>Advanced Functional Materials</i> , 2020 , 30, 1906311	15.6	37
37	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10236-10240	16.4	35
36	All-inorganic copper(i)-based ternary metal halides: promising materials toward optoelectronics. <i>Nanoscale</i> , 2020 , 12, 15560-15576	7.7	33
35	Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater. <i>Advanced Functional Materials</i> , 2018 , 29, 1805893	15.6	31
34	Optically active plasmonic resonance in self-assembled nanostructures. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 662-678	7.8	30
33	Autonomous discovery of optically active chiral inorganic perovskite nanocrystals through an intelligent cloud lab. <i>Nature Communications</i> , 2020 , 11, 2046	17.4	28
32	A facile route to synthesize CdSe/ZnS thick-shell quantum dots with precisely controlled green emission properties: towards QDs based LED applications. <i>Scientific Reports</i> , 2019 , 9, 12048	4.9	23
31	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. <i>Nanoscale</i> , 2019 , 11, 9327-9334	7.7	21
30	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8441-8445	16.4	21
29	Electrocatalytic Hydrogen Production: Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater (Adv. Funct. Mater. 8/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970046	15.6	20
28	Revival of Zeolite-Templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. <i>Advanced Science</i> , 2020 , 7, 2001335	13.6	18
27	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. <i>Advanced Materials</i> , 2020 , 32, e1905585	24	15
26	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. <i>ACS Nano</i> , 2020 , 14, 10346-10358	16.7	13
25	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16923-16929	7.1	12

24	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie</i> , 2018 , 130, 10393-10397	3.6	12
23	Giant two- to five-photon absorption in CsPbBr ₃ two-dimensional nanoplatelets. <i>Optics Letters</i> , 2019 , 44, 3873-3876	3	12
22	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. <i>Nanoscale</i> , 2019 , 11, 15245-15252	7.7	10
21	Effects of flame-retardant ramie fiber on enhancing performance of the rigid polyurethane foams. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 3091-3098	3.2	9
20	Polyoxometalates as electron and proton reservoir assist electrochemical CO ₂ reduction. <i>APL Materials</i> , 2020 , 8, 120702	5.7	9
19	Plasmon-induced hot electron transfer in AgNW@TiO ₂ @AuNPs nanostructures. <i>Scientific Reports</i> , 2018 , 8, 14136	4.9	8
18	Ultrafast Dynamics of Photoexcited Hot Carrier Generation and Injection in @GNS Nanostructures. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14857-14864	3.8	6
17	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. <i>Optics Letters</i> , 2019 , 44, 2256-2259	3	5
16	Causal Inference Machine Learning Leads Original Experimental Discovery in CdSe/CdS Core/Shell Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7232-7238	6.4	5
15	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie</i> , 2021 , 133, 8522-8526	3.6	5
14	Applications of molybdenum oxide nanomaterials in the synergistic diagnosis and treatment of tumor. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 2069-2083	3.3	4
13	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27840-27847	3.8	3
12	Shining light on chiral inorganic nanomaterials for biological issues. <i>Theranostics</i> , 2021 , 11, 9262-9295	12.1	3
11	Multiple cell death pathways triggered by temperature-mediated synergistic effect derived from chiral phototheranostic ablation nanoagents. <i>Applied Materials Today</i> , 2021 , 23, 101001	6.6	3
10	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. <i>Advanced Optical Materials</i> , 2021 , 9, 2101142	8.1	3
9	Endowing inorganic nanomaterials with circularly polarized luminescence. <i>Aggregate</i> , 2022 , 3,	22.9	3
8	Metal-to-Ligand Charge Transfer Chirality Sensing of d-Glucose Assisted with GOX-Based Enzymatic Reaction. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000138	6.8	2
7	Surface metal-ion-functionalized carbon dots and their application in pH sensing. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2

6	Template-Directed Synthesis of Titania Nanocages with Four Tetrahedrally Arranged Open Windows. <i>Chemistry - A European Journal</i> , 2018 , 24, 6917-6921	4.8	2
5	Circularly Polarized Light Source from Self-Assembled Hybrid Nanoarchitecture. <i>Advanced Optical Materials</i> , 2200761	8.1	2
4	Lessons learned from fires of the wood caused by the spontaneous combustion of coal dust in underground mines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 130, 1335-1344	4.1	1
3	Luminescent perovskite nanocrystal composites via in situ ligand polymerization towards display applications. <i>Journal of Materials Chemistry C</i> ,	7.1	1
2	Metal-to-ligand charge transfer chirality-based sensing of mercury ions. <i>Photonics Research</i> , 2021 , 9, 213	6	0
1	Chiroptical Transitions of Enantiomeric Ligand-Activated Nickel Oxides.. <i>Small</i> , 2022 , e2107570	11	0