

# Jiaji Cheng

## List of Publications by Year in Descending Order

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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	Chiroptical Transitions of Enantiomeric Ligand-Activated Nickel Oxides.. <i>Small</i> , <b>2022</b> , e2107570	11	0
40	Endowing inorganic nanomaterials with circularly polarized luminescence. <i>Aggregate</i> , <b>2022</b> , 3,	22.9	3
39	Shining light on chiral inorganic nanomaterials for biological issues. <i>Theranostics</i> , <b>2021</b> , 11, 9262-9295	12.1	3
38	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8441-8445	16.4	21
37	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8522-8526	3.6	5
36	Multiple cell death pathways triggered by temperature-mediated synergistic effect derived from chiral phototheranostic ablation nanoagents. <i>Applied Materials Today</i> , <b>2021</b> , 23, 101001	6.6	3
35	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2101142	8.1	3
34	Metal-to-ligand charge transfer chirality-based sensing of mercury ions. <i>Photonics Research</i> , <b>2021</b> , 9, 213	6	0
33	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27840-27847	3.8	3
32	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 16923-16929	7.1	12
31	Metal-to-Ligand Charge Transfer Chirality Sensing of d-Glucose Assisted with GOX-Based Enzymatic Reaction. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000138	6.8	2
30	Surface metal-ion-functionalized carbon dots and their application in pH sensing. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	2
29	Autonomous discovery of optically active chiral inorganic perovskite nanocrystals through an intelligent cloud lab. <i>Nature Communications</i> , <b>2020</b> , 11, 2046	17.4	28
28	Polyoxometalates as electron and proton reservoir assist electrochemical CO2 reduction. <i>APL Materials</i> , <b>2020</b> , 8, 120702	5.7	9
27	A Visible- and NIR-Light Responsive Photothermal Therapy Agent by Chirality-Dependent MoO <sub>3</sub> Nanoparticles. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1906311	15.6	37
26	All-inorganic copper(i)-based ternary metal halides: promising materials toward optoelectronics. <i>Nanoscale</i> , <b>2020</b> , 12, 15560-15576	7.7	33
25	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. <i>ACS Nano</i> , <b>2020</b> , 14, 10346-10358	16.7	13

24	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905585	24	15
23	Causal Inference Machine Learning Leads Original Experimental Discovery in CdSe/CdS Core/Shell Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 7232-7238	6.4	5
22	Revival of Zeolite-Templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. <i>Advanced Science</i> , <b>2020</b> , 7, 2001335	13.6	18
21	Applications of molybdenum oxide nanomaterials in the synergistic diagnosis and treatment of tumor. <i>Applied Nanoscience (Switzerland)</i> , <b>2020</b> , 10, 2069-2083	3.3	4
20	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> , <b>2019</b> , 9, 12048	4.9	23
19	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. <i>Nanoscale</i> , <b>2019</b> , 11, 9327-9334	7.7	21
18	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> , <b>2019</b> , 29, 1970046	15.6	20
17	Effects of flame-retardant ramie fiber on enhancing performance of the rigid polyurethane foams. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 3091-3098	3.2	9
16	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. <i>Nanoscale</i> , <b>2019</b> , 11, 15245-15252	7.7	10
15	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. <i>Optics Letters</i> , <b>2019</b> , 44, 2256-2259	3	5
14	Giant two- to five-photon absorption in CsPbBr <sub>3</sub> two-dimensional nanoplatelets. <i>Optics Letters</i> , <b>2019</b> , 44, 3873-3876	3	12
13	Optically active plasmonic resonance in self-assembled nanostructures. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 662-678	7.8	30
12	Template-Directed Synthesis of Titania Nanocages with Four Tetrahedrally Arranged Open Windows. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 6917-6921	4.8	2
11	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10393-10397	3.6	12
10	Ultrafast Dynamics of Photoexcited Hot Carrier Generation and Injection in [email protected]@GNS Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14857-14864	3.8	6
9	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> , <b>2018</b> , 29, 1805893	15.6	31
8	Plasmon-induced hot electron transfer in AgNW@TiO <sub>2</sub> @AuNPs nanostructures. <i>Scientific Reports</i> , <b>2018</b> , 8, 14136	4.9	8
7	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. <i>ACS Nano</i> , <b>2018</b> , 12, 5341-5350	16.7	73

6	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> , <b>2018</b> , 57, 10236-10240	16.4	35
5	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5208-5214	3.8	45
4	GoldHelix: Gold Nanoparticles Forming 3D Helical Superstructures with Controlled Morphology and Strong Chiroptical Property. <i>ACS Nano</i> , <b>2017</b> , 11, 3806-3818	16.7	78
3	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> , <b>2017</b> , 130, 1335-1344	4.1	1
2	Luminescent perovskite nanocrystal composites via in situ ligand polymerization towards display applications. <i>Journal of Materials Chemistry C</i> ,	7.1	1
1	Circularly Polarized Light Source from Self-Assembled Hybrid Nanoarchitecture. <i>Advanced Optical Materials</i> , 2200761	8.1	2