Jiaji Cheng

List of Publications by Year
in descending order

44	1,301	361388 20	361001 35
papers	citations	h-index	g-index

44	44	44	1585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GoldHelix: Gold Nanoparticles Forming 3D Helical Superstructures with Controlled Morphology and Strong Chiroptical Property. ACS Nano, 2017, 11, 3806-3818.	14.6	108
2	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. ACS Nano, 2018, 12, 5341-5350.	14.6	102
3	A Visibleâ€and NIRâ€Light Responsive Photothermal Therapy Agent by Chiralityâ€Dependent MoO_{3â^'}_x Nanoparticles. Advanced Functional Materials, 2020, 30, 1906311.	14.9	77
4	Autonomous discovery of optically active chiral inorganic perovskite nanocrystals through an intelligent cloud lab. Nature Communications, 2020, 11, 2046.	12.8	77
5	Polyoxometalateâ€Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater. Advanced Functional Materials, 2019, 29, 1805893.	14.9	69
6	All-inorganic copper(<scp>i</scp>)-based ternary metal halides: promising materials toward optoelectronics. Nanoscale, 2020, 12, 15560-15576.	5.6	60
7	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. Journal of Physical Chemistry C, 2017, 121, 5208-5214.	3.1	58
8	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. Angewandte Chemie - International Edition, 2021, 60, 8441-8445.	13.8	57
9	Tunable Chiroptical Properties from the Plasmonic Band to Metalâ€“Ligand Charge Transfer Band of Cysteineâ€Capped Molybdenum Oxide Nanoparticles. Angewandte Chemie - International Edition, 2018, 57, 10236-10240.	13.8	53
10	A facile route to synthesize CdSe/ZnS thick-shell quantum dots with precisely controlled green emission properties: towards QDs based LED applications. Scientific Reports, 2019, 9, 12048.	3.3	47
11	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. ACS Nano, 2020, 14, 10346-10358.	14.6	45
12	Revival of Zeoliteâ€Templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. Advanced Science, 2020, 7, 2001335.	11.2	42
13	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. Advanced Materials, 2020, 32, e1905585.	21.0	40
14	Endowing inorganic nanomaterials with circularly polarized luminescence. Aggregate, 2022, 3, .	9.9	40
15	Optically active plasmonic resonance in self-assembled nanostructures. Materials Chemistry Frontiers, 2018, 2, 662-678.	5.9	39
16	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. Nanoscale, 2019, 11, 9327-9334.	5.6	39
17	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. Journal of Materials Chemistry C, 2020, 8, 16923-16929.	5.5	33
18	Electrocatalytic Hydrogen Production: Polyoxometalateâ€Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater (Adv. Funct. Mater. 8/2019). Advanced Functional Materials, 2019, 29, 1970046.	14.9	28

#	Article	IF	Citations
19	Shining light on chiral inorganic nanomaterials for biological issues. Theranostics, 2021, 11, 9262-9295.	10.0	27
20	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. Nanoscale, 2019, 11, 15245-15252.	5.6	26
21	Polyoxometalates as electron and proton reservoir assist electrochemical CO2 reduction. APL Materials, 2020, 8, .	5.1	23
22	Janus two-dimensional transition metal dichalcogenides. Journal of Applied Physics, 2022, 131, .	2.5	21
23	Applications of molybdenum oxide nanomaterials in the synergistic diagnosis and treatment of tumor. Applied Nanoscience (Switzerland), 2020, 10, 2069-2083.	3.1	19
24	Giant two- to five-photon absorption in CsPbBr₂₇I₀₃ two-dimensional nanoplatelets. Optics Letters, 2019, 44, 3873.	3.3	18
25	Tunable Chiroptical Properties from the Plasmonic Band to Metalâ€“Ligand Charge Transfer Band of Cysteineâ€Capped Molybdenum Oxide Nanoparticles. Angewandte Chemie, 2018, 130, 10393-10397.	2.0	15
26	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. Advanced Optical Materials, 2021, 9, 2101142.	7.3	13
27	Causal Inference Machine Learning Leads Original Experimental Discovery in CdSe/CdS Core/Shell Nanoparticles. Journal of Physical Chemistry Letters, 2020, 11, 7232-7238.	4.6	12
28	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. Optics Letters, 2019, 44, 2256.	3.3	12
29	Circularly Polarized Light Source from Selfâ€Assembled Hybrid Nanoarchitecture. Advanced Optical Materials, 2022, 10, .	7.3	12
30	Plasmon-induced hot electron transfer in AgNW@TiO2@AuNPs nanostructures. Scientific Reports, 2018, 8, 14136.	3.3	11
31	Effects of flameâ€retardant ramie fiber on enhancing performance of the rigid polyurethane foams. Polymers for Advanced Technologies, 2019, 30, 3091-3098.	3.2	10
32	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. Journal of Physical Chemistry C, 2020, 124, 27840-27847.	3.1	10
33	Ultrafast Dynamics of Photoexcited Hot Carrier Generation and Injection in AgNWs@TiO₂@GNS Nanostructures. Journal of Physical Chemistry C, 2018, 122, 14857-14864.	3.1	9
34	Multiple cell death pathways triggered by temperature-mediated synergistic effect derived from chiral phototheranostic ablation nanoagents. Applied Materials Today, 2021, 23, 101001.	4.3	8
35	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. Angewandte Chemie, 2021, 133, 8522-8526.	2.0	7
36	Chiroptical Transitions of Enantiomeric Ligandâ€Activated Nickel Oxides. Small, 2022, 18, e2107570.	10.0	7

#	Article	IF	Citations
37	Perovskite Nanocrystal Luminescent Composite via In-situ Ligand Polymerization Towards Display Application. Journal of Materials Chemistry C, 0, , .	5.5	5
38	Metalâ€toâ€Ligand Charge Transfer Chirality Sensing of d â€Glucose Assisted with GOXâ€Based Enzymatic Reaction. Advanced Materials Technologies, 2020, 5, 2000138.	5.8	4
39	Surface metal-ion-functionalized carbon dots and their application in pH sensing. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	4
40	Authentic Intelligent Machine for Scaling Driven Discovery: A Case for Chiral Quantum Dots. ACS Nano, 2022, 16, 1600-1611.	14.6	4
41	Metal-to-ligand charge transfer chirality-based sensing of mercury ions. Photonics Research, 2021, 9, 213.	7.0	3
42	Lessons learned from fires of the wood caused by the spontaneous combustion of coal dust in underground mines. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1335-1344.	3.6	3
43	Templateâ€Directed Synthesis of Titania Nanocages with Four Tetrahedrally Arranged Open Windows. Chemistry - A European Journal, 2018, 24, 6917-6921.	3.3	2
44	The mechanism of ligand-induced chiral transmission through a top-down selective domain etching process. Materials Chemistry Frontiers, 2022, 6, 1194-1208.	5.9	2