Jiabin Cui

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	1,427 citations	430874 18 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	2662 citing authors

#	Article	IF	Citations
1	Near-Infrared Plasmonic-Enhanced Solar Energy Harvest for Highly Efficient Photocatalytic Reactions. Nano Letters, 2015, 15, 6295-6301.	9.1	246
2	Ultrasmall Cu₇S₄@MoS₂ Heteroâ€Nanoframes with Abundant Active Edge Sites for Ultrahighâ€Performance Hydrogen Evolution. Angewandte Chemie - International Edition, 2016, 55, 6502-6505.	13.8	128
3	Fluorine Grafted Cu₇S₄â€“Au Heterodimers for Multimodal Imaging Guided Photothermal Therapy with High Penetration Depth. Journal of the American Chemical Society, 2018, 140, 5890-5894.	13.7	125
4	Colloidal quantum dot molecules manifesting quantum coupling at room temperature. Nature Communications, 2019, 10, 5401.	12.8	86
5	Cu₇S₄ Nanosuperlattices with Greatly Enhanced Photothermal Efficiency. Small, 2015, 11, 4183-4190.	10.0	85
6	Ultrahigh ¹⁹F Loaded Cu_{1.75}S Nanoprobes for Simultaneous ¹⁹F Magnetic Resonance Imaging and Photothermal Therapy. ACS Nano, 2016, 10, 1355-1362.	14.6	82
7	Recent developments of low-toxicity NIR II quantum dots for sensing and bioimaging. TrAC - Trends in Analytical Chemistry, 2016, 80, 149-155.	11.4	75
8	Ultrasmall superparamagnetic iron oxide nanoparticles: A next generation contrast agent for magnetic resonance imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1740.	6.1	60
9	Down-/up-conversion luminescence nanocomposites for dual-modal cell imaging. Journal of Materials Chemistry B, 2013, 1, 1333.	5.8	56
10	Highly Efficient Photothermal Semiconductor Nanocomposites for Photothermal Imaging of Latent Fingerprints. Analytical Chemistry, 2015, 87, 11592-11598.	6.5	55
11	Smart Cu1.75S nanocapsules with high and stable photothermal efficiency for NIR photo-triggered drug release. Nano Research, 2015, 8, 4038-4047.	10.4	52
12	Magnetic Recyclable Nanocomposite Catalysts with Good Dispersibility and High Catalytic Activity. Journal of Physical Chemistry C, 2014, 118, 3062-3068.	3.1	50
13	Plasmonâ€Enhanced Photoelectrical Hydrogen Evolution on Monolayer MoS₂ Decorated Cu_{1.75}Sâ€Au Nanocrystals. Small, 2017, 13, 1602235.	10.0	34
14	Coupled Colloidal Quantum Dot Molecules. Accounts of Chemical Research, 2021, 54, 1178-1188.	15.6	34
15	Healing Diabetic Ulcers with MoO_{3â^’}_X Nanodots Possessing Intrinsic ROSâ€Scavenging and Bacteriaâ€Killing Capacities. Small, 2022, 18, e2107137.	10.0	30
16	Highly efficient PdCu3 nanocatalysts for Suzukiâ€“Miyaura reaction. Nano Research, 2016, 9, 2912-2920.	10.4	29
17	Development of NIR-II fluorescence image-guided and pH-responsive nanocapsules for cocktail drug delivery. Nano Research, 2015, 8, 1932-1943.	10.4	28
18	Electronic coupling in colloidal quantum dot molecules; the case of CdSe/CdS core/shell homodimers. Journal of Chemical Physics, 2019, 151, 224501.	3.0	27

#	Article	IF	Citations
19	Monolayer MoS2 decorated Cu7S4-Au nanocatalysts for sensitive and selective detection of mercury(II). Science China Materials, 2017, 60, 352-360.	6.3	18
20	Ultrasmall Cu₇S₄@MoS₂ Heteroâ€Nanoframes with Abundant Active Edge Sites for Ultrahighâ€Performance Hydrogen Evolution. Angewandte Chemie, 2016, 128, 6612-6615.	2.0	14
21	A visual photothermal paper sensor for H2S recognition through rational modulation LSPR wavelength of plasmonics. Science China Chemistry, 2018, 61, 368-374.	8.2	12
22	Surface active-site engineering in hierarchical PtNi nanocatalysts for efficient triiodide reduction reaction. Nano Research, 2021, 14, 4714-4718.	10.4	11
23	Semiconductor Bowâ€Tie Nanoantenna from Coupled Colloidal Quantum Dot Molecules. Angewandte Chemie - International Edition, 2021, 60, 14467-14472.	13.8	11
24	Neck Barrier Engineering in Quantum Dot Dimer Molecules via Intraparticle Ripening. Journal of the American Chemical Society, 2021, 143, 19816-19823.	13.7	11
25	Cu_{2â^'x}S/graphene oxide nanocomposites for efficient photocatalysis driven by real sunlight. RSC Advances, 2015, 5, 94375-94379.	3.6	10
26	Rapidly liver-clearable rare-earth coreâ€“shell nanoprobe for dual-modal breast cancer imaging in the second near-infrared window. Journal of Nanobiotechnology, 2021, 19, 369.	9.1	8
27	Nanocomposite-based rapid, visual, and selective luminescence turn-on assay for Hg2+ sensing in aqueous media. Talanta, 2013, 115, 512-517.	5.5	7
28	In-situ wet tearing based subnanometer MoSeS for efficient hydrogen evolution. Science China Materials, 2017, 60, 929-936.	6.3	7
29	Dual Active Center-Assembled Cu₃₁S₁₆â€“Co_{9-x}Ni_xS₈ Heterodimers: Coherent Interface Engineering Induces Multihole Accumulation for Light-Enhanced Electrocatalytic Oxygen Evolution. ACS Applied Materials & Interfaces, 2021, 13, 20094-20104.	8.0	7
30	Rational Constructed Ultra-Small Iron Oxide Nanoprobes Manifesting High Performance for T1-Weighted Magnetic Resonance Imaging of Glioblastoma. Nanomaterials, 2021, 11, 2601.	4.1	7
31	Complete Mapping of Interacting Charging States in Single Coupled Colloidal Quantum Dot Molecules. ACS Nano, 2022, 16, 5566-5576.	14.6	7
32	A facile strategy for the synthesis of monodispersed W₁₇O₄₇ nanoneedles. RSC Advances, 2016, 6, 29378-29382.	3.6	6
33	Solvent Tailored Strategy for Synthesis of Ultrasmall Ag₂S Quantum Dots with Near-Infrared-II Luminescence. Journal of Nanoscience and Nanotechnology, 2019, 19, 4549-4555.	0.9	6
34	A Pretargeting Strategy Enabled by Bioorthogonal Reactions Towards Advanced Nuclear Medicines: Application and Perspective. Chemical Research in Chinese Universities, 2021, 37, 870-879.	2.6	2
35	Semiconductor Bowâ€Tie Nanoantenna from Coupled Colloidal Quantum Dot Molecules. Angewandte Chemie, 2021, 133, 14588-14593.	2.0	1
36	Neck Barrier Tailors Photon Bunching Characteristics in Single Quantum Dot Dimer Molecules. , 0, , .		0