Cuncheng Li

List of Publications by Year
in descending order

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82 papers	3,577 citations	117625 34 h-index	149698 56 g-index
84 all docs	84 docs citations	84 times ranked	5038 citing authors

#	Article	IF	Citations
1	A Facile Polyol Route to Uniform Gold Octahedra with Tailorable Size and Their Optical Properties. ACS Nano, 2008, 2, 1760-1769.	14.6	246
2	High-Yield Synthesis of Single-Crystalline Gold Nano-octahedra. Angewandte Chemie - International Edition, 2007, 46, 3264-3268.	13.8	209
3	Black Gold: Plasmonic Colloidosomes with Broadband Absorption Selfâ€Assembled from Monodispersed Gold Nanospheres by Using a Reverse Emulsion System. Angewandte Chemie - International Edition, 2015, 54, 9596-9600.	13.8	189
4	Fully indium-free flexible Ag nanowires/ZnO:F composite transparent conductive electrodes with high haze. Journal of Materials Chemistry A, 2015, 3, 5375-5384.	10.3	125
5	Compositional engineering of sulfides, phosphides, carbides, nitrides, oxides, and hydroxides for water splitting. Journal of Materials Chemistry A, 2020, 8, 13415-13436.	10.3	124
6	Facile and Mild Strategy to Construct Mesoporous CeO₂â€“CuO Nanorods with Enhanced Catalytic Activity toward CO Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 23538-23544.	8.0	117
7	Rapid Synthesis of Monodisperse Au Nanospheres through a Laser Irradiation -Induced Shape Conversion, Self-Assembly and Their Electromagnetic Coupling SERS Enhancement. Scientific Reports, 2015, 5, 7686.	3.3	114
8	Evolution of the functionalities and structures of biochar in pyrolysis of poplar in a wide temperature range. Bioresource Technology, 2020, 304, 123002.	9.6	104
9	Complete Au@ZnO coreâ€“shell nanoparticles with enhanced plasmonic absorption enabling significantly improved photocatalysis. Nanoscale, 2016, 8, 10774-10782.	5.6	94
10	Nitrogenâ€Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 21575-21582.	13.8	94
11	One-Pot Controllable Synthesis of Au@Ag Heterogeneous Nanorods with Highly Tunable Plasmonic Absorption. Chemistry of Materials, 2013, 25, 2580-2590.	6.7	91
12	Design of Porous/Hollow Structured Ceria by Partial Thermal Decomposition of Ce-MOF and Selective Etching. ACS Applied Materials & Interfaces, 2017, 9, 39594-39601.	8.0	91
13	Fluorine-Induced Dual Defects in Cobalt Phosphide Nanosheets Enhance Hydrogen Evolution Reaction Activity. , 2020, 2, 736-743.		81
14	Direct selenylation of mixed Ni/Fe metal-organic frameworks to NiFe-Se/C nanorods for overall water splitting. Journal of Power Sources, 2017, 366, 193-199.	7.8	72
15	Bio-mimetic Nanostructure Self-assembled from Au@Ag Heterogeneous Nanorods and Phage Fusion Proteins for Targeted Tumor Optical Detection and Photothermal Therapy. Scientific Reports, 2014, 4, 6808.	3.3	60
16	Gold nanoclusters-based dual-channel assay for colorimetric and turn-on fluorescent sensing of alkaline phosphatase. Sensors and Actuators B: Chemical, 2019, 301, 127080.	7.8	60
17	A comparison study of aliphatic and aromatic structure directing agents influencing the crystal and electronic structures, and properties of iodoplumbate hybrids: water induced structure conversion and visible light photocatalytic properties. Dalton Transactions, 2015, 44, 12561-12575.	3.3	54
18	Rapid and Efficient Self-Assembly of Au@ZnO Coreâ€“Shell Nanoparticle Arrays with an Enhanced and Tunable Plasmonic Absorption for Photoelectrochemical Hydrogen Generation. ACS Applied Materials & Interfaces, 2017, 9, 31897-31906.	8.0	53

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19	Multifunctional Magnetic Silver Nanoshells with Sandwichlike Nanostructures. Journal of Physical Chemistry C, 2008, 112, 8870-8874.	3.1	51
20	Capillary Gradientâ€Induced Selfâ€Assembly of Periodic Au Spherical Nanoparticle Arrays on an Ultralarge Scale via a Bisolvent System at Air/Water Interface. Advanced Materials Interfaces, 2017, 4, 1600976.	3.7	48
21	Ultrasensitive and Stable Au Dimerâ€Based Colorimetric Sensors Using the Dynamically Tunable Gapâ€Dependent Plasmonic Coupling Optical Properties. Advanced Functional Materials, 2018, 28, 1707392.	14.9	48
22	Ru Colloidosome Catalysts for the Hydrogen Oxidation Reaction in Alkaline Media. Journal of the American Chemical Society, 2022, 144, 11138-11147.	13.7	47
23	Strongly coupled dual zerovalent nonmetal doped nickel phosphide Nanoparticles/N, B-graphene hybrid for pH-Universal hydrogen evolution catalysis. Applied Catalysis B: Environmental, 2020, 278, 119284.	20.2	46
24	Controlled synthesis of sponge-like porous Auâ€“Ag alloy nanocubes for surface-enhanced Raman scattering properties. Journal of Materials Chemistry C, 2017, 5, 11039-11045.	5.5	45
25	Functionalized periodic Au@MOFs nanoparticle arrays as biosensors for dual-channel detection through the complementary effect of SPR and diffraction peaks. Nano Research, 2017, 10, 2257-2270.	10.4	44
26	PtPdAg Hollow Nanodendrites: Templateâ€Free Synthesis and High Electrocatalytic Activity for Methanol Oxidation Reaction. Small Methods, 2020, 4, 1900709.	8.6	44
27	Morphology-controlled 2D ordered arrays by heating-induced deformation of 2D colloidal monolayer. Journal of Materials Chemistry, 2006, 16, 609-612.	6.7	43
28	A Novel Tetranuclear Copper(I) Iodide Metalâ€“Organic Cluster [Cu₄I₄(Ligand)₅] with Highly Selective Luminescence Detection of Antibiotic. Crystal Growth and Design, 2018, 18, 5441-5448.	3.0	43
29	Surface Electronic Structure Modulation of Cobalt Nitride Nanowire Arrays via Selenium Deposition for Efficient Hydrogen Evolution. Advanced Functional Materials, 2022, 32, .	14.9	43
30	In situ x-ray diffraction study of the thermal expansion of silver nanoparticles in ambient air and vacuum. Applied Physics Letters, 2005, 86, 151915.	3.3	41
31	Hybrid Copper Iodide Cluster-Based Pellet Sensor for Highly Selective Optical Detection of o-Nitrophenol and Tetracycline Hydrochloride in Aqueous Solution. ACS Sustainable Chemistry and Engineering, 2019, 7, 18863-18873.	6.7	41
32	External and Internal Interface-Controlled Trimetallic PtCuNi Nanoframes with High Defect Density for Enhanced Electrooxidation of Liquid Fuels. Chemistry of Materials, 2020, 32, 1581-1594.	6.7	41
33	Engineering of the dâ€Band Center of Perovskite Cobaltite for Enhanced Electrocatalytic Oxygen Evolution. ChemSusChem, 2020, 13, 2671-2676.	6.8	39
34	Different Contributions of Aliphatic and Conjugated Organic Cations to Both the Crystal and Electronic Structures: Three Hybrid Iodoargentates Showing Two Isomers of the (AgI₂)^{â€“} Chain. European Journal of Inorganic Chemistry, 2015, 2015, 478-487.	2.0	37
35	Solubility product difference-guided synthesis of Co₃O₄â€“CeO₂ coreâ€“shell catalysts for CO oxidation. Catalysis Science and Technology, 2016, 6, 7273-7279.	4.1	36
36	Design, Synthesis, and Photocatalytic Application of Moisture-Stable Hybrid Lead-Free Perovskite. ACS Applied Materials & Interfaces, 2020, 12, 54694-54702.	8.0	36

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37	Successive Interfacial Reaction-Directed Synthesis of CeO₂@Au@CeO₂-MnO₂ Environmental Catalyst with Sandwich Hollow Structure. ACS Applied Materials & Interfaces, 2018, 10, 11595-11603.	8.0	34
38	Structure and thermal stability of gold nanoplates. Applied Physics Letters, 2006, 88, 071904.	3.3	33
39	The structures, water stabilities and photoluminescence properties of two types of iodocuprate(<scp>i</scp>)-based hybrids. Dalton Transactions, 2018, 47, 2306-2317.	3.3	32
40	Laser-irradiation induced synthesis of spongy AuAgPt alloy nanospheres with high-index facets, rich grain boundaries and subtle lattice distortion for enhanced electrocatalytic activity. Journal of Materials Chemistry A, 2018, 6, 13735-13742.	10.3	32
41	Water Stability Studies of Hybrid Iodoargentates Containing N-Alkylated or N-Protonated Structure Directing Agents: Exploring Noncentrosymmetric Hybrid Structures. Inorganic Chemistry, 2017, 56, 1906-1918.	4.0	30
42	One-pot synthesis of Ptâ^'Cu bimetallic nanocrystals with different structures and their enhanced electrocatalytic properties. Nano Research, 2018, 11, 2612-2624.	10.4	29
43	One-Pot Synthesis of Ultrasmooth, Precisely Shaped Gold Nanospheres via Surface Self-Polishing Etching and Regrowth. Chemistry of Materials, 2021, 33, 2593-2603.	6.7	29
44	Porous CoSe₂@N-doped carbon nanowires: an ultra-high stable and large-current-density oxygen evolution electrocatalyst. Chemical Communications, 2021, 57, 1774-1777.	4.1	27
45	Electronic modulation of carbon-encapsulated NiSe composites via Fe doping for synergistic oxygen evolution. Chemical Communications, 2018, 54, 9075-9078.	4.1	26
46	Structures and multiple properties of two polar metalâ€“organic frameworks based on achiral N,O-coordinated ligands: toward multifunctional materials. Dalton Transactions, 2015, 44, 18882-18892.	3.3	25
47	Do alkyl groups on aromatic or aliphatic structure directing agents affect water stabilities and properties of hybrid iodoargentates?. Dalton Transactions, 2017, 46, 12474-12486.	3.3	25
48	Metalâ€“Organic Framework (MOF)â€Derived Carbonâ€Mediated Interfacial Reaction for the Synthesis of CeO₂â^'MnO₂ Catalysts. Chemistry - A European Journal, 2019, 25, 6621-6627.	3.3	25
49	Surface enhanced Raman scattering properties of dynamically tunable nanogaps between Au nanoparticles self-assembled on hydrogel microspheres controlled by pH. Journal of Colloid and Interface Science, 2017, 505, 467-475.	9.4	23
50	Atomic-layer-deposition-formed sacrificial template for the construction of an MIL-53 shell to increase selectivity of hydrogenation reactions. Chemical Communications, 2019, 55, 7651-7654.	4.1	22
51	Photoinduced defect engineering: enhanced photocatalytic performance of 3D BiOCl nanoclusters with abundant oxygen vacancies. CrystEngComm, 2021, 23, 1305-1311.	2.6	20
52	High-Quality Perovskite Films Grown with a Fast Solvent-Assisted Molecule Inserting Strategy for Highly Efficient and Stable Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 22238-22245.	8.0	19
53	Tandem Catalysis of Ammonia Borane Dehydrogenation and Phenylacetylene Hydrogenation Catalyzed by CeO₂ Nanotube/Pd@MILâ€53(Al). Chemistry - A European Journal, 2020, 26, 4419-4424.	3.3	19
54	Improving the performances of CsPbBr3 solar cells fabricated in ambient condition. Journal of Materials Science: Materials in Electronics, 2020, 31, 21154-21167.	2.2	18

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55	Deposition of Pt clusters onto MOFs-derived CeO2 by ALD for selective hydrogenation of furfural. Fuel, 2022, 311, 122584.	6.4	17
56	A simultaneous disulfide bond cleavage, N,S-bialkylation/N-protonation and self-assembly reaction: syntheses, structures and properties of two hybrid iodoargentates with thiazolyl-based heterocycles. Dalton Transactions, 2016, 45, 19062-19071.	3.3	16
57	Highly dispersed Pt species anchored onto NH₂-Ce-MOFs and their derived mesoporous catalysts for CO oxidation. Nanoscale, 2021, 13, 117-123.	5.6	16
58	Hierarchical Z-scheme Fe₂O₃@ZnIn₂S₄ coreâ€“shell heterostructures with enhanced adsorption capacity enabling significantly improved photocatalytic CO₂ reduction. CrystEngComm, 2020, 22, 8221-8227.	2.6	15
59	A universal route with fine kinetic control to a family of penta-twinned gold nanocrystals. Chemical Science, 2021, 12, 12631-12639.	7.4	15
60	Nitrogenâ€Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. Angewandte Chemie, 2021, 133, 21745-21752.	2.0	14
61	Hydrogel Film@Au Nanoparticle Arrays Based on Selfâ€Assembly Coâ€Assisted by Electrostatic Attraction and Hydrogelâ€Shrinkage for SERS Detection with Active Gaps. Advanced Materials Interfaces, 2021, 8, 2101055.	3.7	13
62	The Deep Understanding into the Promoted Carbon Dioxide Electroreduction of ZIFâ€8â€Derived Singleâ€Atom Catalysts by the Simple Grinding Process. Small Structures, 2022, 3, .	12.0	13
63	Aqueous controllable synthesis of spindle-like palladium nanoparticles and their application for catalytic reduction of 4-nitrophenol. Progress in Natural Science: Materials International, 2016, 26, 295-302.	4.4	12
64	Inner space- and architecture-controlled nanoframes for efficient electro-oxidation of liquid fuels. Journal of Materials Chemistry A, 2019, 7, 19280-19289.	10.3	12
65	Constructing moisture-stable hybrid lead iodine semiconductors based on hydrogen-bond-free and dual-iodine strategies. Journal of Materials Chemistry C, 2019, 7, 7700-7707.	5.5	11
66	(3-Phenylpyridin-1-ium)SbI₄: Coulomb Interaction-Assembled Lead-free Hybrid Perovskite-like Semiconductor. Crystal Growth and Design, 2020, 20, 1009-1015.	3.0	11
67	Singleâ€Solvent, Ligandâ€Free, Gramâ€Scale Synthesis of Cs 4 PbBr 6 Perovskite Solids with Robust Green Photoluminescence. ChemNanoMat, 2020, 6, 258-266.	2.8	11
68	Ordinary clay as a support of nickel catalyst for steam reforming of acetic acid: Impacts of pretreatments of clay on catalytic behaviors. International Journal of Energy Research, 2020, 44, 10378-10393.	4.5	11
69	Poly(sodium 4â€styrenesulfonate) Assisted Roomâ€Temperature Synthesis for the Mass Production of Bismuth Oxychloride Ultrathin Nanoplates with Enhanced Photocatalytic Activity. ChemPlusChem, 2019, 84, 828-837.	2.8	10
70	Regulating the near-infrared region to visible-light emission by adjusting cuprophilic interactions for blue light-excited phosphors. Journal of Materials Chemistry C, 2021, 9, 8589-8595.	5.5	10
71	Encapsulated ruthenium nanoparticles activated few-layer carbon frameworks as high robust oxygen evolution electrocatalysts in acidic media. Journal of Colloid and Interface Science, 2022, 612, 488-495.	9.4	10
72	A novel process to prepare a thin silica shell on the PDDA-stabilized spherical Au nanoparticles assisted by UV light irradiation. RSC Advances, 2014, 4, 64668-64674.	3.6	9

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73	Rhodium(III)â€Catalyzed Oxidative C(sp 3)â^'H Alkenylation of 8â€Methylquinolines with Maleimides Under Aerobic Conditions. Advanced Synthesis and Catalysis, 2020, 362, 2541-2546.	4.3	9
74	Iridium/Copperâ€Catalyzed Oxidative Câ^'H/Oâ^'H Annulation of Benzoic Acids with Saturated Ketones for Accessing 3â€Substituted Phthalides. ChemCatChem, 2020, 12, 5907-5911.	3.7	8
75	Ultrathin covalent and cuprophilic interaction-assembled copperâ€“sulfur monolayer in organic metal chalcogenide for oriented photoconductivity. Chemical Communications, 2022, 58, 2858-2861.	4.1	7
76	Double Free: A Promising Route toward Moisture-Stable Hypotoxic Hybrid Perovskites. CCS Chemistry, 2022, 4, 1273-1283.	7.8	6
77	(3-Methylbenzo[d]thiazol-3-ium)₂Cu₃I₅: A Copper Iodide Hybrid Photoconductor Assembled via Coulomb Interaction. Crystal Growth and Design, 2020, 20, 7012-7020.	3.0	5
78	A CTAB-mediated antisolvent vapor route to shale-like Cs₄PbBr₆ microplates showing an eminent photoluminescence. RSC Advances, 2020, 10, 10023-10029.	3.6	5
79	Ultrafine NiMoO_x nanoparticles confined in mesoporous carbon for the reduction of nitroarenes: effect of the composition and accessibility of the active sites. RSC Advances, 2019, 9, 4571-4582.	3.6	4
80	Dual Template Engaged Synthesis of Hollow Ballâ€inâ€Tube Asymmetrical Structured Ceria. Particle and Particle Systems Characterization, 2018, 35, 1700367.	2.3	3
81	Implanting Atomic Dispersed Ru in PtNi Colloidal Nanocrystal Clusters for Efficient Catalytic Performance in Electroâ€oxidation of Liquid Fuels. Chemistry - A European Journal, 2020, 26, 16869-16874.	3.3	1
82	Nitrogen-doped carbon encapsulating a RuCo heterostructure for enhanced electrocatalytic overall water splitting. CrystEngComm, 2022, 24, 4208-4214.	2.6	1