Cuncheng Li

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Double Free: A Promising Route toward Moisture-Stable Hypotoxic Hybrid Perovskites. CCS Chemistry, 2022, 4, 1273-1283.	7.8	6
2	Surface Electronic Structure Modulation of Cobalt Nitride Nanowire Arrays via Selenium Deposition for Efficient Hydrogen Evolution. Advanced Functional Materials, 2022, 32, .	14.9	43
3	Deposition of Pt clusters onto MOFs-derived CeO2 by ALD for selective hydrogenation of furfural. Fuel, 2022, 311, 122584.	6.4	17
4	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
5	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
6	Nitrogen-doped carbon encapsulating a RuCo heterostructure for enhanced electrocatalytic overall water splitting. CrystEngComm, 2022, 24, 4208-4214.	2.6	1
7	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
8	Ru Colloidosome Catalysts for the Hydrogen Oxidation Reaction in Alkaline Media. Journal of the American Chemical Society, 2022, 144, 11138-11147.	13.7	47
9	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
10	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
11	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
12	Nitrogenâ€Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 21575-21582.	13.8	94
13	Nitrogenâ€Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. Angewandte Chemie, 2021, 133, 21745-21752.	2.0	14
14	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
15	Photoinduced defect engineering: enhanced photocatalytic performance of 3D BiOCl nanoclusters with abundant oxygen vacancies. CrystEngComm, 2021, 23, 1305-1311.	2.6	20
16	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
17	A universal route with fine kinetic control to a family of penta-twinned gold nanocrystals. Chemical Science, 2021, 12, 12631-12639.	7.4	15
18	(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

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19	PtPdAg Hollow Nanodendrites: Templateâ€Free Synthesis and High Electrocatalytic Activity for Methanol Oxidation Reaction. Small Methods, 2020, 4, 1900709.	8.6	44
20	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
21	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
22	Design, Synthesis, and Photocatalytic Application of Moisture-Stable Hybrid Lead-Free Perovskite. ACS Applied Materials & Interfaces, 2020, 12, 54694-54702.	8.0	36
23	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
24	(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
25	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
26	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
27	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
28	Fluorine-Induced Dual Defects in Cobalt Phosphide Nanosheets Enhance Hydrogen Evolution Reaction Activity. , 2020, 2, 736-743.		81
29	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
30	A CTAB-mediated antisolvent vapor route to shale-like Cs₄PbBr₆ microplates showing an eminent photoluminescence. RSC Advances, 2020, 10, 10023-10029.	3.6	5
31	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
32	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
33	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
34	Engineering of the dâ€Band Center of Perovskite Cobaltite for Enhanced Electrocatalytic Oxygen Evolution. ChemSusChem, 2020, 13, 2671-2676.	6.8	39
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	Dual Template Engaged Synthesis of Hollow Ballâ€inâ€Tube Asymmetrical Structured Ceria. Particle and Particle Systems Characterization, 2018, 35, 1700367.	2.3	3
48	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
49	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
50	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
51	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
52	Electronic modulation of carbon-encapsulated NiSe composites via Fe doping for synergistic oxygen evolution. Chemical Communications, 2018, 54, 9075-9078.	4.1	26
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	Complete Au@ZnO coreâ€“shell nanoparticles with enhanced plasmonic absorption enabling significantly improved photocatalysis. Nanoscale, 2016, 8, 10774-10782.	5.6	94
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	One-Pot Controllable Synthesis of Au@Ag Heterogeneous Nanorods with Highly Tunable Plasmonic Absorption. Chemistry of Materials, 2013, 25, 2580-2590.	6.7	91
77	Multifunctional Magnetic Silver Nanoshells with Sandwichlike Nanostructures. Journal of Physical Chemistry C, 2008, 112, 8870-8874.	3.1	51
78	A Facile Polyol Route to Uniform Gold Octahedra with Tailorable Size and Their Optical Properties. ACS Nano, 2008, 2, 1760-1769.	14.6	246
79	High-Yield Synthesis of Single-Crystalline Gold Nano-octahedra. Angewandte Chemie - International Edition, 2007, 46, 3264-3268.	13.8	209
80	Morphology-controlled 2D ordered arrays by heating-induced deformation of 2D colloidal monolayer. Journal of Materials Chemistry, 2006, 16, 609-612.	6.7	43
81	Structure and thermal stability of gold nanoplates. Applied Physics Letters, 2006, 88, 071904.	3.3	33
82	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