Hai-Bin Chu

List of Publications by Year
in descending order

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		218592	175177
67	2,830	26	52
papers	citations	h-index	g-index

67	67	67	4019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding enhancing mechanism of Pr6O11 and Pr(OH)3 in methanol electrooxidation. Journal of Rare Earths, 2022, 40, 85-92.	2.5	1
2	Effect of CeO₂ morphology on the catalytic properties of Au/CeO₂ for base-free glucose oxidation. Catalysis Science and Technology, 2022, 12, 1313-1323.	2.1	14
3	Roles of hydroxyl and oxygen vacancy of CeO2Â·xH2O in Pd-catalyzed ethanol electro-oxidation. Science China Chemistry, 2022, 65, 877-884.	4.2	4
4	Tuning the Product Selectivity toward the High Yield of Glyceric Acid in Ptâ^'CeO₂/CNT Electrocatalyzed Oxidation of Glycerol. ChemCatChem, 2022, 14, .	1.8	5
5	Enhanced adsorption performance of subordinate magnesium sites in pinhole magnesium oxide nanosheets with rich oxygen vacancies. , 2022, 1, 105-113.		3
6	Gold Nanoparticles on Nanosheets Derived from Layered Rare-Earth Hydroxides for Catalytic Glycerol-to-Lactic Acid Conversion. ACS Applied Materials & Interfaces, 2021, 13, 522-530.	4.0	18
7	Construction of a molybdenum and copper co-doped nickel phosphide with lattice distortion for highly efficient electrochemical water splitting. Dalton Transactions, 2021, 50, 9690-9694.	1.6	16
8	Enhanced adsorption performance for aromatic sulfur compounds over a hierarchical structured AgX zeolite. Environmental Science Atmospheres, 2021, 1, 569-576.	0.9	3
9	Facet effect of Pt nanocrystals on catalytical properties toward glycerol oxidation reaction. Journal of Catalysis, 2020, 381, 434-442.	3.1	29
10	High-density nickel phosphide nanoparticles loaded reduced graphene oxide on nickel foam for enhanced alkaline and neutral water splitting. Electrochimica Acta, 2020, 362, 137172.	2.6	18
11	Factors affecting the metal-enhanced luminescence of lanthanide complexes by Ag@SiO2 nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112678.	2.0	7
12	Overcoming the Deactivation of Pt/CNT by Introducing CeO₂ for Selective Base-Free Glycerol-to-Glyceric Acid Oxidation. ACS Catalysis, 2020, 10, 3832-3837.	5.5	55
13	Crystal structures and luminescence properties of lanthanide complexes with 4-bromobenzoate and nitrogen heterocyclic ligands. Journal of Luminescence, 2019, 215, 116638.	1.5	6
14	Fabricating Nitrogenâ€Rich Feâ^'N/C Electrocatalysts through CeO₂â€Assisted Pyrolysis for Enhanced Oxygen Reduction Reaction. ChemElectroChem, 2019, 6, 4040-4048.	1.7	20
15	Graphene-Quantum-Dots-induced facile growth of porous molybdenum doped Ni3S2 nanoflakes as efficient bifunctional electrocatalyst for overall water splitting. Electrochimica Acta, 2019, 304, 487-494.	2.6	36
16	Hydroxyl-rich ceriaÂhydrate nanoparticles enhancing the alcohol electrooxidation performance of Pt catalysts. Journal of Materials Chemistry A, 2018, 6, 2318-2326.	5.2	43
17	Direct Exfoliation of Natural SiO2-Containing Molybdenite in Isopropanol: A Cost Efficient Solution for Large-Scale Production of MoS2 Nanosheetes. Nanomaterials, 2018, 8, 843.	1.9	8
18	Tuning the luminescence properties of samarium and dysprosium complexes by Ag@SiO2 nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 365, 119-124.	2.0	5

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19	Effect of the Composition of Lanthanide Complexes on Their Luminescence Enhancement by Ag@SiO2 Core-Shell Nanoparticles. Nanomaterials, 2018, 8, 98.	1.9	21
20	Fluorescence enhancement of europium nitrobenzoates by Ag@SiO 2 nanoparticles in solution. Journal of Luminescence, 2017, 186, 255-261.	1.5	8
21	Tuning the luminescence properties of lanthanide coordination polymers with Ag@SiO₂nanoparticles. Dalton Transactions, 2017, 46, 6447-6455.	1.6	11
22	Preparation, Crystal structure and Luminescence Properties of Lanthanide Complexes with 2,4,6-tri(pyridin-2-yl)-1,3,5-triazine and Organic Carboxylic Acid. Crystals, 2017, 7, 139.	1.0	7
23	Crystal structure and photoluminescence of europium, terbium and samarium compounds with halogen-benzoate and 2,4,6-tri(2-pyridyl)-s-triazine. Journal of Luminescence, 2016, 177, 22-30.	1.5	17
24	Highly selective electrodeposition of sub-10 nm crystalline noble metallic nanorods inside vertically aligned multiwall carbon nanotubes. Nanotechnology, 2016, 27, 275604.	1.3	1
25	Synthesis, characterization and luminescent properties of europium complexes with 2,4,6â€trisâ€(2â€pyridyl)â€sâ€triazine as highly efficient sensitizers. Luminescence, 2015, 30, 1360-1366.	1.5	7
26	Luminescence properties and crystal structure of europium complexes with phenoxyacetic acid and 2,4,6-tri(2-pyridyl)-s-triazine. Journal of Luminescence, 2015, 160, 238-244.	1.5	17
27	Synthesis, crystal structure and fluorescence properties of terbium complexes with phenoxyacetic acid and 2,4,6â€trisâ€(2â€pyridyl)â€sâ€“triazine. Luminescence, 2015, 30, 835-841.	1.5	8
28	Coreâ€“shell Ag@SiO2 nanoparticles of different silica shell thicknesses: Preparation and their effects on photoluminescence of lanthanide complexes. Materials Research Bulletin, 2015, 71, 116-121.	2.7	37
29	Fluorescence enhancement of europium complexes by coreâ€“shell Ag@SiO2 nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 716-722.	2.0	15
30	Fluorescence enhancement of Tb3+ complexes by adding silica-coated silver nanoparticles. Science China Chemistry, 2015, 58, 979-985.	4.2	16
31	Fluorescent studies on the interaction of DNA and ternary lanthanide complexes with cinnamic acidâ€phenanthroline and antibacterial activities testing. Luminescence, 2015, 30, 131-136.	1.5	21
32	Crystal structure and photoluminescence of two europium compounds with phenoxyacetic acid and 2,4,6-tri(2-pyridyl)-s-triazine. Dalton Transactions, 2014, 43, 2620-2628.	1.6	19
33	DNA binding and antibacterial properties of ternary lanthanide complexes with salicylic acid and phenanthroline. Applied Organometallic Chemistry, 2014, 28, 162-168.	1.7	19
34	Synthesis, crystal structures and fluorescence properties of dinuclear Tb(III) and Sm(III) complexes with 2,4,6-tri(2-pyridyl)-1,3,5-triazine and halogenated benzoic acid. Inorganica Chimica Acta, 2014, 414, 39-45.	1.2	42
35	Study on silicon oxide coated on silver nanocrystal to enhance fluorescence intensity of rare earth complexes. Journal of Luminescence, 2014, 154, 402-409.	1.5	9
36	Surface Plasmon Resonance Enhanced Luminescence of Europium Complexes with Ag@SiO₂ Core-Shell Structure. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2014, 30, 2328-2334.	2.2	3

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37	Synthesis, characterization and enhanced luminescence of terbium complexes with 2-pyrazinecarboxylic acid and butanedioic acid by inert-fluorescent lanthanide ions. Journal of Rare Earths, 2013, 31, 32-36.	2.5	17
38	Synthesis, crystal structure, luminescent property and antibacterial activity of lanthanide ternary complexes with 2,4,6-tri(2-pyridyl)-s-triazine. Journal of Organometallic Chemistry, 2012, 716, 167-174.	0.8	42
39	Synthesis, characterization and luminescent property of metal-ion-doped terbium complexes of 2,3-Pyrazinedicarboxylate. Journal of Luminescence, 2012, 132, 1414-1419.	1.5	10
40	Synthesis, characterization and luminescence property of ternary rare earth complexes with azatriphenylenes as highly efficient sensitizers. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 243-249.	2.0	29
41	Visualization of individual single-walled carbon nanotubes under an optical microscope as a result of decoration with gold nanoparticles. Carbon, 2011, 49, 1182-1188.	5.4	19
42	Preparation and electrochemical properties of MnO2nanosheets attached to Au nanoparticles on carbon nanotubes. Dalton Transactions, 2011, 40, 2332-2337.	1.6	42
43	Controlled Preparation of Inorganic Nanostructures on Substrates by Dipâ€Pen Nanolithography. Chemistry - an Asian Journal, 2010, 5, 980-990.	1.7	8
44	Preparation and properties of CdS/Au composite nanorods and hollow Au tubes. Science Bulletin, 2010, 55, 921-926.	1.7	15
45	Patterning Nanoparticles by Microcontact Printing and Further Growth of Oneâ€Dimensional Nanomaterials. European Journal of Inorganic Chemistry, 2010, 2010, 4357-4362.	1.0	8
46	Ionicâ€Liquidâ€Assisted Preparation of Carbon Nanotubeâ€Supported Uniform Noble Metal Nanoparticles and Their Enhanced Catalytic Performance. Advanced Functional Materials, 2010, 20, 3747-3752.	7.8	90
47	Synthesis and fluorescence properties of ten lanthanide benzene-1,3,5-tricarboxylate complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 419-423.	2.0	37
48	Carbon nanotubes combined with inorganic nanomaterials: Preparations and applications. Coordination Chemistry Reviews, 2010, 254, 1117-1134.	9.5	145
49	Kelvin probe force microscopy study on nanotriboelectrification. Applied Physics Letters, 2010, 96, .	1.5	38
50	Direct observation of the strong interaction between carbon nanotubes and quartz substrate. Nano Research, 2009, 2, 903.	5.8	31
51	Selective Growth of Well-Aligned Semiconducting Single-Walled Carbon Nanotubes. Nano Letters, 2009, 9, 800-805.	4.5	426
52	Decoration of Gold Nanoparticles on Surface-Grown Single-Walled Carbon Nanotubes for Detection of Every Nanotube by Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2009, 131, 14310-14316.	6.6	97
53	Rational preparation of faceted platinum nanocrystals supported on carbon nanotubes with remarkably enhanced catalytic performance. Chemical Communications, 2009, , 7167.	2.2	39
54	Inorganic hierarchical nanostructures induced by concentration difference and gradient. Nano Research, 2008, 1, 213-220.	5.8	21

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55	Controllable preparation and properties of composite materials based on ceria nanoparticles and carbon nanotubes. Journal of Solid State Chemistry, 2008, 181, 2620-2625.	1.4	42
56	Site-Specific Deposition of Gold Nanoparticles on SWNTs. Journal of Physical Chemistry C, 2008, 112, 13437-13441.	1.5	17
57	Why Single-Walled Carbon Nanotubes Can Be Dispersed in Imidazolium-Based Ionic Liquids. ACS Nano, 2008, 2, 2540-2546.	7.3	296
58	Horizontally Aligned Single-Walled Carbon Nanotube on Quartz from a Large Variety of Metal Catalysts. Nano Letters, 2008, 8, 2576-2579.	4.5	235
59	In Situ Epitaxial Growth of Triangular CdS Nanoplates on Mica by Dip-Pen Nanolithography. Journal of Physical Chemistry C, 2008, 112, 18938-18942.	1.5	10
60	Seed-Mediated Growth of ZnO Nanorods on Multiwalled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2008, 8, 4441-4446.	0.9	8
61	High speed atomic force microscope lithography driven by electrostatic interaction. Applied Physics Letters, 2007, 91, .	1.5	6
62	Ultralow Feeding Gas Flow Guiding Growth of Large-Scale Horizontally Aligned Single-Walled Carbon Nanotube Arrays. Nano Letters, 2007, 7, 2073-2079.	4.5	189
63	Direct Preparation and Patterning of Iron Oxide Nanoparticles via Microcontact Printing on Silicon Wafers for the Growth of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2006, 18, 4109-4114.	3.2	42
64	Sacrificial template growth of CdS nanotubes from Cd(OH)2 nanowires. Journal of Solid State Chemistry, 2006, 179, 96-102.	1.4	49
65	Shape-Controlled Synthesis of CdS Nanocrystals in Mixed Solvents. Crystal Growth and Design, 2005, 5, 1801-1806.	1.4	93
66	Creation of Cadmium Sulfide Nanostructures Using AFM Dip-Pen Nanolithography. Journal of Physical Chemistry B, 2005, 109, 22337-22340.	1.2	45
67	Single Crystalline Trigonal Selenium Nanotubes and Nanowires Synthesized by Sonochemical Process. Crystal Growth and Design, 2005, 5, 911-916.	1.4	115