

Huimei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,227
citations

687363

13
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

2172
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-inspired synthesis of metal nanomaterials and applications. <i>Chemical Society Reviews</i> , 2015, 44, 6330-6374.	38.1	395
2	Recent advances in palladium-based electrocatalysts for fuel cell reactions and hydrogen evolution reaction. <i>Nano Energy</i> , 2016, 29, 198-219.	16.0	294
3	Biogenic Silver Nanoparticles by <i>Cacumen Platycladi</i> Extract: Synthesis, Formation Mechanism, and Antibacterial Activity. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9095-9106.	3.7	171
4	Plant-Mediated Synthesis of Ag-Pd Alloy Nanoparticles and Their Application as Catalyst toward Selective Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1212-1218.	6.7	72
5	Plant-mediated synthesis of size-controllable Ni nanoparticles with alfalfa extract. <i>Materials Letters</i> , 2014, 122, 166-169.	2.6	51
6	Fabrication of Pd/Al ₂ O ₃ catalysts for hydrogenation of 2-ethyl-9,10-anthraquinone assisted by plant-mediated strategy. <i>Chemical Engineering Journal</i> , 2015, 262, 356-363.	12.7	38
7	Microorganism-mediated synthesis of chemically difficult-to-synthesize Au nanohorns with excellent optical properties in the presence of hexadecyltrimethylammonium chloride. <i>Nanoscale</i> , 2013, 5, 6599.	5.6	32
8	Palladium modified gold nanoparticles as electrocatalysts for ethanol electrooxidation. <i>Journal of Power Sources</i> , 2016, 321, 264-269.	7.8	31
9	Biosynthesized Ag-Al ₂ O ₃ catalyst for ethylene epoxidation: the influence of silver precursors. <i>RSC Advances</i> , 2014, 4, 27597-27603.	3.6	29
10	Novel AuPd nanostructures for hydrogenation of 1,3-butadiene. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4846-4854.	10.3	21
11	Stable Silver Nanoparticles with Narrow Size Distribution Non-enzymatically Synthesized by <i>Aeromonas</i> sp. SH10 Cells in the Presence of Hydroxyl Ions. <i>Current Nanoscience</i> , 2012, 8, 838-846.	1.2	19
12	Facile fabrication of Pd nanoparticle/ <i>Pichia pastoris</i> catalysts through adsorption-reduction method: A study into effect of chemical pretreatment. <i>Journal of Colloid and Interface Science</i> , 2014, 433, 204-210.	9.4	18
13	Fabrication of Au/Pd alloy nanoparticle/ <i>Pichia pastoris</i> composites: a microorganism-mediated approach. <i>RSC Advances</i> , 2013, 3, 15389.	3.6	16
14	Rapid Au recovery from aqueous solution by a microorganism-mediated, surfactant-directed approach: Effect of surfactants and SERS of bio-Au. <i>Chemical Engineering Journal</i> , 2015, 267, 43-50.	12.7	12
15	Microorganism-mediated, CTAC-directed synthesis of SERS-sensitive Au nanohorns with three-dimensional nanostructures by <i>Escherichia coli</i> cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 678-685.	3.2	11
16	Catalytic Application of Biogenic Platinum Nanoparticles for the Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 967-973.	0.6	6
17	Biosynthesis of silver nanoparticles through tandem hydrolysis of silver sulfate and cellulose under hydrothermal conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1817-1824.	3.2	4
18	One-Step Synthesis of Au-Ag Nanowires through Microorganism-Mediated, CTAB-Directed Approach. <i>Nanomaterials</i> , 2018, 8, 376.	4.1	3

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19	Microorganism-Mediated Fabrication and Antibacterial Performance of Ag/Al ₂ O ₃ Composites. <i>Current Nanoscience</i> , 2014, 10, 271-276.	1.2	2
20	Construction of stable bio-Pd catalysts for environmental pollutant remediation. <i>RSC Advances</i> , 2021, 11, 36174-36180.	3.6	1