

Lihua Zhu

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40
papers

664
citations

16
h-index

25
g-index

42
ext. papers

842
ext. citations

6.8
avg, IF

3.75
L-index

#	Paper	IF	Citations
40	Ruthenium-nickel hydroxide nanoparticles for room temperature catalytic hydrogenation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7869-7875	13	70
39	Ultrafine Nanoparticle-Supported Ru Nanoclusters with Ultrahigh Catalytic Activity. <i>Small</i> , 2015 , 11, 4385-4393	19.3	67
38	A visible-light-driven core-shell like Ag ₂ S@Ag ₂ CO ₃ composite photocatalyst with high performance in pollutants degradation. <i>Chemosphere</i> , 2016 , 157, 250-61	8.4	64
37	Effect of ruthenium nickel bimetallic composition on the catalytic performance for benzene hydrogenation to cyclohexane. <i>Applied Catalysis A: General</i> , 2015 , 499, 124-132	5.1	46
36	Decoration of Co/Co ₃ O ₄ nanoparticles with Ru nanoclusters: a new strategy for design of highly active hydrogenation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11716-11719	13	42
35	A novel modification method for nickel foam support and synthesis of a metal-supported hierarchical monolithic Ni@Pd catalyst for benzene hydrogenation. <i>Chemical Engineering Journal</i> , 2013 , 226, 166-170	14.7	34
34	An efficient and stable Ru-Ni/C nano-bimetallic catalyst with a comparatively low Ru loading for benzene hydrogenation under mild reaction conditions. <i>RSC Advances</i> , 2013 , 3, 713-719	3.7	32
33	Synthesis and characterization of robust Ag ₂ S/Ag ₂ WO ₄ composite microrods with enhanced photocatalytic performance. <i>Journal of Materials Research</i> , 2016 , 31, 2598-2607	2.5	28
32	Synthesis of Different Ruthenium Nickel Bimetallic Nanostructures and an Investigation of the Structure-Activity Relationship for Benzene Hydrogenation to Cyclohexane. <i>ChemCatChem</i> , 2014 , 6, 2039-2046	5.2	26
31	Advances towards the utilization of Vis-NIR light energy by coating YF ₃ :Yb ³⁺ ,Er ³⁺ over ZnS microspheres triggering hydrogen production and pollutants disposal. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8053-8062	7.1	25
30	Combining Ru, Ni and Ni(OH) ₂ active sites for improving catalytic performance in benzene hydrogenation. <i>Materials Chemistry and Physics</i> , 2017 , 192, 8-16	4.4	23
29	Broadband photocatalysis using a Z-scheme heterojunction of Au/NaYF ₄ :Yb,Er/WO ₃ ·0.33H ₂ O-W ₁₈ O ₄₉ via a synergetic strategy of upconversion function and plasmonic effect. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3158-3167	6.8	19
28	Effect of the thermal treatment temperature of RuNi bimetallic nanocatalysts on their catalytic performance for benzene hydrogenation. <i>RSC Advances</i> , 2016 , 6, 13110-13119	3.7	19
27	Tuning the interfaces in the ruthenium-nickel/carbon nanocatalysts for enhancing catalytic hydrogenation performance. <i>Journal of Catalysis</i> , 2019 , 377, 299-308	7.3	19
26	Thermostability and photocatalytic performance of BiOCl _{0.5} Br _{0.5} composite microspheres. <i>Journal of Materials Research</i> , 2015 , 30, 3125-3133	2.5	18
25	Porosity Engineering of MOF-Based Materials for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2100154	21.8	18
24	Platinum-nickel alloy nanoparticles supported on carbon for 3-pentanone hydrogenation. <i>Applied Surface Science</i> , 2017 , 409, 29-34	6.7	13

23	Synthesis of novel platinum-on-flower-like nickel catalysts and their applications in hydrogenation reaction. <i>Applied Surface Science</i> , 2017 , 423, 836-844	6.7	13
22	A Highly Stable and Active CaO/Al ₂ O ₃ Base Catalyst in the Form of Calcium Aluminate Phase for Oxidation of Cyclohexanone to ϵ -Caprolactone. <i>Catalysis Letters</i> , 2014 , 144, 1188-1196	2.8	11
21	A highly selective and efficient Pd/Ni/Ni(OH) ₂ /C catalyst for furfural hydrogenation at low temperatures. <i>Molecular Catalysis</i> , 2020 , 480, 110639	3.3	9
20	RuNiCo-based nanocatalysts with different nanostructures for naphthalene selective hydrogenation. <i>Fuel</i> , 2018 , 216, 208-217	7.1	9
19	Shape control of nickel crystals and catalytic hydrogenation performance of ruthenium-on-Ni crystals. <i>CrystEngComm</i> , 2018 , 20, 113-121	3.3	9
18	Synthesis of Ru/CoNi crystals with different morphologies for catalytic hydrogenation. <i>CrystEngComm</i> , 2017 , 19, 3430-3438	3.3	8
17	Ruthenium stabilized on transition metal-on-transition metal oxide nanoparticles for naphthalene hydrogenation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15055-15063	6.7	6
16	Room-Temperature Morphology-Controlled Synthesis of Nickel and Catalytic Properties of Corresponding Ru/Ni Catalysts. <i>ChemCatChem</i> , 2019 , 11, 3109-3116	5.2	5
15	High value-added fluorescence upconversion agents-assisted nano-semiconductors for efficient wide spectral response photocatalysis: Exerting energy transfer effect and applications. <i>Journal of Rare Earths</i> , 2021 , 39, 243-260	3.7	5
14	PtRuNi/C novel nanostructures of platinum-ruthenium island-on-Ni/Ni(OH) ₂ nanoparticles for the selective hydrogenation of quinoline. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155203	5.7	4
13	Nickel Hydroxide/Cobalt Hydroxide Nanoparticle Supported Ruthenium/Nickel/Cobalt Islands as an Efficient Nanocatalyst for the Hydrogenation Reaction. <i>ChemCatChem</i> , 2018 , 10, 1998-2002	5.2	3
12	Synthesis of Antimony Trioxide Crystals with Various Morphologies and Their UV-Vis-NIR Reflectance Performance. <i>ChemistrySelect</i> , 2018 , 3, 4310-4314	1.8	3
11	Highly dispersed rhodium atoms supported on defect-rich Co(OH) ₂ for the chemoselective hydrogenation of nitroarenes. <i>New Journal of Chemistry</i> ,	3.6	2
10	Preparation of cobalt crystals with various morphologies and the catalytic performance of platinum-on-cobalt crystal for the selective hydrogenation of nitrobenzene. <i>CrystEngComm</i> , 2020 , 22, 5382-5388	3.3	2
9	Platinum Island-on-Copper/Nickel Alloy Nanoparticle/Carbon Trimetallic Nanocatalyst for Selective Hydrogenation of Cinnamaldehyde. <i>Catalysis Letters</i> , 2021 , 151, 559-572	2.8	2
8	Mechanistic insights into interfacial nano-synergistic effects in trimetallic Rh-on-NiCo on-CNTs for room temperature solvent-free hydrogenations. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120404	21.8	2
7	Tiny Ruthenium-Cobalt-Cobalt Hydroxide Nanoparticles Supported on Graphene for Efficiently Catalyzing Naphthalene Complete Hydrogenation. <i>ChemistrySelect</i> , 2019 , 4, 8394-8397	1.8	1
6	Magnesium hydroxide-supported ruthenium as an efficient and stable catalyst for glycerol-selective hydrogenolysis without addition of base and acid additives. <i>New Journal of Chemistry</i> , 2020 , 44, 16054-16061	3.6	1

5	Electrochemical Energy Storage: Porosity Engineering of MOF-Based Materials for Electrochemical Energy Storage (Adv. Energy Mater. 20/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170078	21.8	1
4	Preparation of a PdRuNi/C tri-metallic nanocatalyst and its excellent catalytic performance for ethylbenzene hydrogenation reaction. <i>New Journal of Chemistry</i> , 2019 , 43, 17306-17314	3.6	1
3	Controlled Synthesis of RuNi-CNTs Nano-Composites and Their Catalytic Performance in Benzene Hydrogenation. <i>Catalysis Letters</i> , 2021 , 151, 773-786	2.8	1
2	Au/Ni/Ni(OH) ₂ /C Nanocatalyst with High Catalytic Activity and Selectivity for m-dinitrobenzene Hydrogenation. <i>Catalysis Letters</i> , 1	2.8	0
1	Synthesis of layered double hydroxide-supported platinum nanocatalyst for highly efficient and selective hydrogenation of nitroaromatics. <i>Materials Chemistry and Physics</i> , 2022 , 287, 126241	4.4	0