Lihua Zhu

List of Publications by Year
in descending order

42 papers	1,019 citations	471509 17 h-index	434195 31 g-index
42 all docs	42 docs citations	42 times ranked	1119 citing authors

#	Article	IF	Citations
1	Rutheniumâ€“nickelâ€“nickel hydroxide nanoparticles for room temperature catalytic hydrogenation. Journal of Materials Chemistry A, 2017, 5, 7869-7875.	10.3	100
2	Ultrafine Nanoparticleâ€Supported Ru Nanoclusters with Ultrahigh Catalytic Activity. Small, 2015, 11, 4385-4393.	10.0	80
3	Porosity Engineering of MOFâ€Based Materials for Electrochemical Energy Storage. Advanced Energy Materials, 2021, 11, 2100154.	19.5	75
4	A visible-light-driven core-shell like Ag2S@Ag2CO3 composite photocatalyst with high performance in pollutants degradation. Chemosphere, 2016, 157, 250-261.	8.2	73
5	Effect of ruthenium nickel bimetallic composition on the catalytic performance for benzene hydrogenation to cyclohexane. Applied Catalysis A: General, 2015, 499, 124-132.	4.3	57
6	Decoration of Co/Co₃O₄ nanoparticles with Ru nanoclusters: a new strategy for design of highly active hydrogenation. Journal of Materials Chemistry A, 2015, 3, 11716-11719.	10.3	52
7	Advances towards the utilization of Vis-NIR light energy by coating YF₃:Yb³⁺,Er³⁺ over ZnS microspheres triggering hydrogen production and pollutants disposal. Journal of Materials Chemistry C, 2019, 7, 8053-8062.	5.5	44
8	Tuning the interfaces in the ruthenium-nickel/carbon nanocatalysts for enhancing catalytic hydrogenation performance. Journal of Catalysis, 2019, 377, 299-308.	6.2	40
9	A novel modification method for nickel foam support and synthesis of a metal-supported hierarchical monolithic Ni@Pd catalyst for benzene hydrogenation. Chemical Engineering Journal, 2013, 226, 166-170.	12.7	39
10	Synthesis of Different Ruthenium Nickel Bimetallic Nanostructures and an Investigation of the Structureâ€“Activity Relationship for Benzene Hydrogenation to Cyclohexane. ChemCatChem, 2014, 6, 2039-2046.	3.7	38
11	An efficient and stable Ruâ€“Ni/C nano-bimetallic catalyst with a comparatively low Ru loading for benzenehydrogenation under mild reaction conditions. RSC Advances, 2013, 3, 713-719.	3.6	37
12	Synthesis and characterization of robust Ag₂S/Ag₂WO₄composite microrods with enhanced photocatalytic performance. Journal of Materials Research, 2016, 31, 2598-2607.	2.6	32
13	Combining Ru, Ni and Ni(OH) 2 active sites for improving catalytic performance in benzene hydrogenation. Materials Chemistry and Physics, 2017, 192, 8-16.	4.0	27
14	Pd/CuOâ€“Ni(OH)₂/C as a highly efficient and stable catalyst for the electrocatalytic oxidation of ethanol. Green Chemistry, 2022, 24, 2438-2450.	9.0	27
15	Broadband photocatalysis using a Z-scheme heterojunction of Au/NaYF₄:Yb,Er/WO₃Â·0.33H₂O-W₁₈O₄₉via a synergetic strategy of upconversion function and plasmonic effect. Inorganic Chemistry Frontiers, 2019, 6, 3158-3167.	6.0	25
16	Effect of the thermal treatment temperature of RuNi bimetallic nanocatalysts on their catalytic performance for benzene hydrogenation. RSC Advances, 2016, 6, 13110-13119.	3.6	23
17	Effective Ensemble of Pt Single Atoms and Clusters over the (Ni,Co)(OH)₂ Substrate Catalyzes Highly Selective, Efficient, and Stable Hydrogenation Reactions. ACS Catalysis, 2022, 12, 8104-8115.	11.2	20
18	Synthesis of novel platinum-on-flower-like nickel catalysts and their applications in hydrogenation reaction. Applied Surface Science, 2017, 423, 836-844.	6.1	19

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19	A Highly Stable and Active CaO/Al2O3 Base Catalyst in the Form of Calcium Aluminate Phase for Oxidation of Cyclohexanone to Îµ-Caprolactone. Catalysis Letters, 2014, 144, 1188-1196.	2.6	18
20	Thermostability and photocatalytic performance of BiOCl_{0.5}Br_{0.5} composite microspheres. Journal of Materials Research, 2015, 30, 3125-3133.	2.6	18
21	A highly selective and efficient Pd/Ni/Ni(OH)2/C catalyst for furfural hydrogenation at low temperatures. Molecular Catalysis, 2020, 480, 110639.	2.0	17
22	Platinum-nickel alloy nanoparticles supported on carbon for 3-pentanone hydrogenation. Applied Surface Science, 2017, 409, 29-34.	6.1	16
23	RuNiCo-based nanocatalysts with different nanostructures for naphthalene selective hydrogenation. Fuel, 2018, 216, 208-217.	6.4	14
24	Synthesis of Ru/CoNi crystals with different morphologies for catalytic hydrogenation. CrystEngComm, 2017, 19, 3430-3438.	2.6	13
25	Ruthenium stabilized on transition metal-on-transition metal oxide nanoparticles for naphthalene hydrogenation. International Journal of Hydrogen Energy, 2018, 43, 15055-15063.	7.1	12
26	Nickel Hydroxideâ€“Cobalt Hydroxide Nanoparticle Supported Rutheniumâ€“Nickelâ€“Cobalt Islands as an Efficient Nanocatalyst for the Hydrogenation Reaction. ChemCatChem, 2018, 10, 1998-2002.	3.7	10
27	Shape control of nickel crystals and catalytic hydrogenation performance of ruthenium-on-Ni crystals. CrystEngComm, 2018, 20, 113-121.	2.6	10
28	High value-added fluorescence upconversion agents-assisted nano-semiconductors for efficient wide spectral response photocatalysis: Exerting energy transfer effect and applications. Journal of Rare Earths, 2021, 39, 243-260.	4.8	10
29	Roomâ€Temperature Morphologyâ€Controlled Synthesis of Nickel and Catalytic Properties of Corresponding Ru/Ni Catalysts. ChemCatChem, 2019, 11, 3109-3116.	3.7	9
30	PtRuNi/C novel nanostructures of platinum-ruthenium island-on-Ni/Ni(OH)2 nanoparticles for the selective hydrogenation of quinoline. Journal of Alloys and Compounds, 2020, 834, 155203.	5.5	9
31	Mechanistic insights into interfacial nano-synergistic effects in trimetallic Rh-on-NiCo on-CNTs for room temperature solvent-free hydrogenations. Applied Catalysis B: Environmental, 2021, 297, 120404.	20.2	9
32	Synthesis of Antimony Trioxide Crystals with Various Morphologies and Their UVâ€Visâ€NIR Reflectance Performance. ChemistrySelect, 2018, 3, 4310-4314.	1.5	7
33	Preparation of cobalt crystals with various morphologies and the catalytic performance of platinum-on-cobalt crystal for the selective hydrogenation of nitrobenzene. CrystEngComm, 2020, 22, 5382-5388.	2.6	7
34	Highly dispersed rhodium atoms supported on defect-rich Co(OH)₂for the chemoselective hydrogenation of nitroarenes. New Journal of Chemistry, 2022, 46, 1158-1167.	2.8	7
35	Platinum Island-on-Copperâ€“Nickel Alloy Nanoparticle/Carbon Trimetallic Nanocatalyst for Selective Hydrogenation of Cinnamaldehyde. Catalysis Letters, 2021, 151, 559-572.	2.6	6
36	Preparation of a PdRuNi/C tri-metallic nanocatalyst and its excellent catalytic performance for ethylbenzene hydrogenation reaction. New Journal of Chemistry, 2019, 43, 17306-17314.	2.8	4

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37	Magnesium hydroxideâ€“supported ruthenium as an efficient and stable catalyst for glycerol-selective hydrogenolysis without addition of base and acid additives. New Journal of Chemistry, 2020, 44, 16054-16061.	2.8	4
38	Electrochemical Energy Storage: Porosity Engineering of MOFâ€Based Materials for Electrochemical Energy Storage (Adv. Energy Mater. 20/2021). Advanced Energy Materials, 2021, 11, 2170078.	19.5	4
39	Controlled Synthesis of RuNi-CNTs Nano-Composites and Their Catalytic Performance in Benzene Hydrogenation. Catalysis Letters, 2021, 151, 773-786.	2.6	3
40	Au/Ni/Ni(OH)2/C Nanocatalyst with High Catalytic Activity and Selectivity for m-dinitrobenzene Hydrogenation. Catalysis Letters, 0, , 1.	2.6	2
41	Tiny Rutheniumâ€Cobaltâ€Cobalt Hydroxide Nanoparticles Supported on Graphene for Efficiently Catalyzing Naphthalene Complete Hydrogenation. ChemistrySelect, 2019, 4, 8394-8397.	1.5	1
42	Synthesis of layered double hydroxide-supported platinum nanocatalyst for highly efficient and selective hydrogenation of nitroaromatics. Materials Chemistry and Physics, 2022, 287, 126241.	4.0	1