

Hui Zhang

List of Publications by Year in descending order

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23
papers

835
citations

471509

17
h-index

642732

23
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docs citations

23
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	The nature of cobalt species in carbon nanotubes and their catalytic performance in Fischer-Tropsch reaction. <i>Journal of Materials Chemistry</i> , 2009, 19, 9241.	6.7	88
2	Controlling Co-support interaction in Co/MWCNTs catalysts and catalytic performance for hydrogen production via NH ₃ decomposition. <i>Applied Catalysis A: General</i> , 2013, 464-465, 156-164.	4.3	69
3	Structure and catalytic properties of Ni/MWCNTs and Ni/AC catalysts for hydrogen production via ammonia decomposition. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 277-287.	7.1	66
4	Catalytic performances of Ni/mesoporous SiO ₂ catalysts for dry reforming of methane to hydrogen. <i>Journal of Energy Chemistry</i> , 2016, 25, 709-719.	12.9	65
5	Highly efficient removal of Cr(VI) from wastewater via adsorption with novel magnetic Fe ₃ O ₄ @C/MgAl-layered double-hydroxide. <i>Chinese Chemical Letters</i> , 2015, 26, 1137-1143.	9.0	61
6	Promotion Effects of Platinum and Ruthenium on Carbon Nanotube Supported Cobalt Catalysts for Fischer-Tropsch Synthesis. <i>Catalysis Letters</i> , 2011, 141, 438-444.	2.6	49
7	Sub-nm ruthenium cluster as an efficient and robust catalyst for decomposition and synthesis of ammonia: Break the "size shackles". <i>Nano Research</i> , 2018, 11, 4774-4785.	10.4	49
8	Ruthenium supported on nitrogen-doped ordered mesoporous carbon as highly active catalyst for NH ₃ decomposition to H ₂ . <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5105-5113.	7.1	46
9	Implication of iron nitride species to enhance the catalytic activity and stability of carbon nanotubes supported Fe catalysts for carbon-free hydrogen production via low-temperature ammonia decomposition. <i>Catalysis Science and Technology</i> , 2018, 8, 907-915.	4.1	46
10	Tuning catalytic performances of cobalt catalysts for clean hydrogen generation via variation of the type of carbon support and catalyst post-treatment temperature. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17573-17582.	7.1	40
11	Size structure-catalytic performance correlation of supported Ni/MCF-17 catalysts for CO _x -free hydrogen production. <i>Chemical Communications</i> , 2018, 54, 6364-6367.	4.1	36
12	Sub-3 nm Rh nanoclusters confined within a metal-organic framework for enhanced hydrogen generation. <i>Chemical Communications</i> , 2019, 55, 4699-4702.	4.1	32
13	Macroporous 3D carbon-nitrogen (CN) confined MoO _x catalyst for enhanced oxidative desulfurization of dibenzothiophene. <i>Chinese Chemical Letters</i> , 2020, 31, 2819-2824.	9.0	28
14	Kinetic studies of direct blue photodegradation over flower-like TiO ₂ . <i>Research on Chemical Intermediates</i> , 2017, 43, 1529-1542.	2.7	26
15	Bimetallic Ni Pd/SBA-15 alloy as an effective catalyst for selective hydrogenation of CO ₂ to methane. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13354-13363.	7.1	26
16	Bimetallic Ru-Fe Nanoparticles Supported on Carbon Nanotubes for Ammonia Decomposition and Synthesis. <i>Chemical Engineering and Technology</i> , 2020, 43, 719-730.	1.5	26
17	β-Cyclodextrin assisted one-pot synthesis of mesoporous magnetic Fe ₃ O ₄ @C and their excellent performance for the removal of Cr (VI) from aqueous solutions. <i>Chinese Chemical Letters</i> , 2013, 24, 341-343.	9.0	25
18	Probing the activity of Ni ₁₃ , Cu ₁₃ , and Ni ₁₂ Cu clusters towards the ammonia decomposition reaction by density functional theory. <i>Journal of Materials Science</i> , 2017, 52, 3162-3168.	3.7	17

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19	Nanoscale size effect of octahedral nickel catalyst towards ammonia decomposition reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17122-17128.	7.1	14
20	Catalytic performance of M@Ni (M = Fe, Ru, Ir) core-shell nanoparticles towards ammonia decomposition for CO _x -free hydrogen production. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	11
21	Highly dispersed Pd nanoparticles supported on 3-aminopropyltriethoxysilanes modified multiwalled carbon nanotubes for the Heck-Mizoroki reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 114, 489-499.	1.7	7
22	Highly efficient CO _x -free hydrogen evolution activity on rod Fe ₂ N catalysts for ammonia decomposition. <i>New Journal of Chemistry</i> , 2019, 43, 18277-18284.	2.8	5
23	Correlation Between Tunable Oxygen Defects in TiO ₂ Nanoflower and Its Photocatalytic Performance for the Degradation of Organic Waste. <i>Nano</i> , 2020, 15, 2050018.	1.0	3