Hui Zhang

List of Publications by Year
in descending order

23 papers	835 citations	471509 17 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1209 citing authors

#	Article	IF	Citations
1	Macroporous 3D carbon-nitrogen (CN) confined MoOx catalyst for enhanced oxidative desulfurization of dibenzothiophene. Chinese Chemical Letters, 2020, 31, 2819-2824.	9.0	28
2	Bimetallic Ruâ€Fe Nanoparticles Supported on Carbon Nanotubes for Ammonia Decomposition and Synthesis. Chemical Engineering and Technology, 2020, 43, 719-730.	1.5	26
3	Correlation Between Tunable Oxygen Defects in TiO₂ Nanoflower and Its Photocatalytic Performance for the Degradation of Organic Waste. Nano, 2020, 15, 2050018.	1.0	3
4	Bimetallic Ni Pd/SBA-15 alloy as an effective catalyst for selective hydrogenation of CO2 to methane. International Journal of Hydrogen Energy, 2019, 44, 13354-13363.	7.1	26
5	Sub-3 nm Rh nanoclusters confined within a metalâ€“organic framework for enhanced hydrogen generation. Chemical Communications, 2019, 55, 4699-4702.	4.1	32
6	Highly efficient CO_x-free hydrogen evolution activity on rod Fe₂N catalysts for ammonia decomposition. New Journal of Chemistry, 2019, 43, 18277-18284.	2.8	5
7	Sub-nm ruthenium cluster as an efficient and robust catalyst for decomposition and synthesis of ammonia: Break the â€œsize shacklesâ€. Nano Research, 2018, 11, 4774-4785.	10.4	49
8	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. Catalysis Science and Technology, 2018, 8, 907-915.	4.1	46
9	Catalytic performance of M@Ni (M = Fe, Ru, Ir) coreâ€'shell nanoparticles towards ammonia decomposition for COx-free hydrogen production. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	11
10	Size structureâ€“catalytic performance correlation of supported Ni/MCF-17 catalysts for CO_x-free hydrogen production. Chemical Communications, 2018, 54, 6364-6367.	4.1	36
11	Kinetic studies of direct blue photodegradation over flower-like TiO2. Research on Chemical Intermediates, 2017, 43, 1529-1542.	2.7	26
12	Ruthenium supported on nitrogen-doped ordered mesoporous carbon as highly active catalyst for NH3 decomposition to H2. International Journal of Hydrogen Energy, 2017, 42, 5105-5113.	7.1	46
13	Nanoscale size effect of octahedral nickel catalyst towards ammonia decomposition reaction. International Journal of Hydrogen Energy, 2017, 42, 17122-17128.	7.1	14
14	Probing the activity of Ni13, Cu13, and Ni12Cu clusters towards the ammonia decomposition reaction by density functional theory. Journal of Materials Science, 2017, 52, 3162-3168.	3.7	17
15	Catalytic performances of Ni/mesoporous SiO 2 catalysts for dry reforming of methane to hydrogen. Journal of Energy Chemistry, 2016, 25, 709-719.	12.9	65
16	Highly efficient removal of Cr(VI) from wastewater via adsorption with novel magnetic Fe3O4@C@MgAl-layered double-hydroxide. Chinese Chemical Letters, 2015, 26, 1137-1143.	9.0	61
17	Highly dispersed Pd nanoparticles supported on 3-aminopropyltriethoxysilanes modified multiwalled carbon nanotubes for the Heck-Mizoroki reaction. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 489-499.	1.7	7
18	Structure and catalytic properties of Ni/MWCNTs and Ni/AC catalysts for hydrogen production via ammonia decomposition. International Journal of Hydrogen Energy, 2014, 39, 277-287.	7.1	66

#	Article	IF	Citations
19	Tuning catalytic performances of cobalt catalysts for clean hydrogen generation via variation of the type of carbon support and catalyst post-treatment temperature. International Journal of Hydrogen Energy, 2014, 39, 17573-17582.	7.1	40
20	Î²-Cyclodextrin assisted one-pot synthesis of mesoporous magnetic Fe3O4@C and their excellent performance for the removal of Cr (VI) from aqueous solutions. Chinese Chemical Letters, 2013, 24, 341-343.	9.0	25
21	Controlling Co-support interaction in Co/MWCNTs catalysts and catalytic performance for hydrogen production via NH3 decomposition. Applied Catalysis A: General, 2013, 464-465, 156-164.	4.3	69
22	Promotion Effects of Platinum and Ruthenium on Carbon Nanotube Supported Cobalt Catalysts for Fischerâ€“Tropsch Synthesis. Catalysis Letters, 2011, 141, 438-444.	2.6	49
23	The nature of cobalt species in carbon nanotubes and their catalytic performance in Fischerâ€“Tropsch reaction. Journal of Materials Chemistry, 2009, 19, 9241.	6.7	88