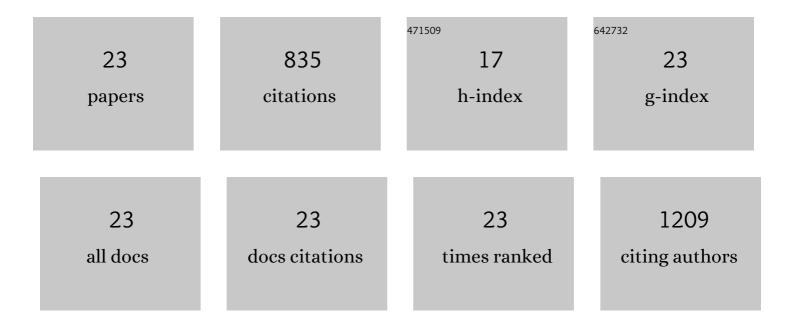
Hui Zhang

List of Publications by Year in descending order

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HUI ZHANC

#	Article	IF	CITATIONS
1	The nature of cobalt species in carbon nanotubes and their catalytic performance in Fischer–Tropsch reaction. Journal of Materials Chemistry, 2009, 19, 9241.	6.7	88
2	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
3	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
4	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
5	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
6	Promotion Effects of Platinum and Ruthenium on Carbon Nanotube Supported Cobalt Catalysts for Fischer–Tropsch Synthesis. Catalysis Letters, 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― Nano Research, 2018, 11, 4774-4785.	10.4	49
8	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
9	Implication of iron nitride species to enhance the catalytic activity and stability of carbon nanotubes supported Fe catalysts for carbon-free hydrogen production <i>via</i> low-temperature ammonia decomposition. Catalysis Science and Technology, 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. International Journal of Hydrogen Energy, 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. Chemical Communications, 2018, 54, 6364-6367.	4.1	36
12	Sub-3 nm Rh nanoclusters confined within a metal–organic framework for enhanced hydrogen generation. Chemical Communications, 2019, 55, 4699-4702.	4.1	32
13	Macroporous 3D carbon-nitrogen (CN) confined MoOx catalyst for enhanced oxidative desulfurization of dibenzothiophene. Chinese Chemical Letters, 2020, 31, 2819-2824.	9.0	28
14	Kinetic studies of direct blue photodegradation over flower-like TiO2. Research on Chemical Intermediates, 2017, 43, 1529-1542.	2.7	26
15	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
16	Bimetallic Ruâ€Fe Nanoparticles Supported on Carbon Nanotubes for Ammonia Decomposition and Synthesis. Chemical Engineering and Technology, 2020, 43, 719-730.	1.5	26
17	β-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
18	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

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#	Article	IF	CITATIONS
19	Nanoscale size effect of octahedral nickel catalyst towards ammonia decomposition reaction. International Journal of Hydrogen Energy, 2017, 42, 17122-17128.	7.1	14
20	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
21	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
22	Highly efficient CO _x -free hydrogen evolution activity on rod Fe ₂ N catalysts for ammonia decomposition. New Journal of Chemistry, 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. Nano, 2020, 15, 2050018.	1.0	3