Chengxi Zhang

List of Publications by Year
in descending order

		471061	713013
21	1,436	17	21
papers	citations	h-index	g-index

21	21	21	1863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sorption enhanced steam reforming of ethanol on Niâ€“CaOâ€“Al2O3 multifunctional catalysts derived from hydrotalcite-like compounds. Energy and Environmental Science, 2012, 5, 8942.	15.6	168
2	Hydrogen Production via Steam Reforming of Ethanol on Phyllosilicate-Derived Ni/SiO₂: Enhanced Metalâ€“Support Interaction and Catalytic Stability. ACS Sustainable Chemistry and Engineering, 2013, 1, 161-173.	3.2	167
3	Hydrogen Production via Glycerol Steam Reforming over Ni/Al₂O₃: Influence of Nickel Precursors. ACS Sustainable Chemistry and Engineering, 2013, 1, 1052-1062.	3.2	164
4	Glycerol steam reforming over perovskite-derived nickel-based catalysts. Applied Catalysis B: Environmental, 2014, 144, 277-285.	10.8	141
5	A Ni@ZrO₂nanocomposite for ethanol steam reforming: enhanced stability via strong metalâ€“oxide interaction. Chemical Communications, 2013, 49, 4226-4228.	2.2	112
6	Au/carbon as Fenton-like catalysts for the oxidative degradation of bisphenol A. Applied Catalysis B: Environmental, 2013, 134-135, 145-152.	10.8	111
7	Sintering-resistant Ni-based reforming catalysts obtained via the nanoconfinement effect. Chemical Communications, 2013, 49, 9383.	2.2	101
8	Steam reforming of ethanol over Ni/ZrO2 catalysts: Effect of support on product distribution. International Journal of Hydrogen Energy, 2012, 37, 2940-2949.	3.8	81
9	Enhanced oxygen mobility and reactivity for ethanol steam reforming. AICHE Journal, 2012, 58, 516-525.	1.8	70
10	Synthesis of stable Ni-CeO2 catalysts via ball-milling for ethanol steam reforming. Catalysis Today, 2014, 233, 53-60.	2.2	59
11	N-doped Ag/TiO₂hollow spheres for highly efficient photocatalysis under visible-light irradiation. RSC Advances, 2013, 3, 720-724.	1.7	52
12	Steam reforming of ethanol over skeletal Niâ€based catalysts: A temperature programmed desorption and kinetic study. AICHE Journal, 2014, 60, 635-644.	1.8	38
13	On the origin of reactivity of steam reforming of ethylene glycol on supported Ni catalysts. Physical Chemistry Chemical Physics, 2012, 14, 4066.	1.3	37
14	Superior reactivity of skeletal Ni-based catalysts for low-temperature steam reforming to produce CO-free hydrogen. Physical Chemistry Chemical Physics, 2012, 14, 3295.	1.3	34
15	Pt-based coreâ€“shell nanocatalysts with enhanced activity and stability for CO oxidation. Chemical Communications, 2013, 49, 10647.	2.2	30
16	Selectivity Control on Hydrogenation of Substituted Nitroarenes through Endâ€On Adsorption of Reactants in Zeoliteâ€Encapsulated Platinum Nanoparticles. Chemistry - an Asian Journal, 2018, 13, 2077-2084.	1.7	24
17	Ethanol steam reforming over Ni/NixMg1â^'xO: Inhibition of surface nickel species diffusion into the bulk. International Journal of Hydrogen Energy, 2011, 36, 326-332.	3.8	18
18	Effect of Particle Size of Al₂O₃ Binders on Acidity and Isobutaneâ€“Butene Alkylation Performance of Zeolite Y-Based Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 5576-5582.	1.8	14

#	Article	IF	Citations
19	A facile way to improve zeolite Y-based catalysts' properties and performance in the isobutaneâ€“butene alkylation reaction. RSC Advances, 2020, 10, 29068-29076.	1.7	9
20	Mechanistic insights into methanolâ€toâ€olefin reaction on an Îâ€Mn₂O₃ nanocrystal catalyst. AICHE Journal, 2012, 58, 3474-3481.	1.8	5
21	Particle size effect and structure-function relationship of Ni-based steam reforming catalysts. Chinese Science Bulletin, 2015, 60, 3230-3238.	0.4	1