

Zhun Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

220
citations

10
h-index

14
g-index

24
ext. papers

358
ext. citations

5.5
avg, IF

3.73
L-index

#	Paper	IF	Citations
23	Promoted solar-driven dry reforming of methane with Pt/mesoporous-TiO ₂ photo-thermal synergistic catalyst: Performance and mechanism study. <i>Energy Conversion and Management</i> , 2022 , 258, 115496	10.6	1
22	Morphology Effects of CeO ₂ Nanomaterials on the Catalytic Combustion of Toluene: A Combined Kinetics and Diffuse Reflectance Infrared Fourier Transform Spectroscopy Study. <i>ACS Catalysis</i> , 2021 , 11, 7876-7889	13.1	19
21	Understanding the promotional effect of 3d transition metals (Fe, Co, Cu) on Pd/TiO ₂ for H ₂ -SCR. <i>Catalysis Science and Technology</i> , 2021 , 11, 886-894	5.5	1
20	Deactivation Influence of HF on the V ₂ O ₅ /WO ₃ /TiO ₂ SCR Catalyst. <i>Energy & Fuels</i> , 2021 , 35, 4377-4386	4.6	1
19	Catalytic Dehydration of 1,4-Butanediol over Mg/b Binary Oxides and the Mechanism Study. <i>ChemCatChem</i> , 2020 , 12, 2859-2871	5.2	4
18	Synergism between palladium and nickel on Pd-Ni/TiO ₂ for H ₂ -SCR: A transient DRIFTS study. <i>Journal of Catalysis</i> , 2020 , 381, 204-214	7.3	20
17	Removal of Residual Poly(vinylpyrrolidone) from Gold Nanoparticles Immobilized on SiO ₂ by Ultraviolet/Ozone Treatment. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5720-5729	5.6	3
16	110th Anniversary: Recent Progress and Future Challenges in Selective Catalytic Reduction of NO by H ₂ in the Presence of O ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10140-10153	3.9	23
15	Effect of initial support particle size of MnO /TiO catalysts in the selective catalytic reduction of NO with NH ₃ . <i>RSC Advances</i> , 2019 , 9, 4682-4692	3.7	9
14	Understanding the process of preparation of pure SSZ-13 via XRD and ATR-IR for selective catalytic reduction of NO _x with NH ₃ . <i>Materials Research Express</i> , 2019 , 6, 095510	1.7	1
13	In situ DRIFTS for the mechanistic studies of 1,4-butanediol dehydration over Yb/Zr catalysts. <i>Journal of Catalysis</i> , 2019 , 370, 138-151	7.3	3
12	Effect of Crystal Phase of MnO ₂ with Similar Nanorod-Shaped Morphology on the Catalytic Performance of Benzene Combustion. <i>ChemistrySelect</i> , 2019 , 4, 473-480	1.8	20
11	Formic Acid or Formate Derivatives as the In Situ Hydrogen Source in Au-Catalyzed Reduction of para-Chloronitrobenzene. <i>ChemistrySelect</i> , 2018 , 3, 2850-2853	1.8	5
10	Solvent-Controlled Reactivity of Au/CeO ₂ Towards Hydrogenation of p-Chloronitrobenzene. <i>Catalysis Letters</i> , 2018 , 148, 1490-1498	2.8	12
9	Do Olefin Hydrogenation Reactions Remain Structure Insensitive over Pt in Nanostructured Pt-on-Au Catalyst?. <i>ACS Catalysis</i> , 2018 , 8, 10254-10260	13.1	10
8	Transfer hydrogenation of cinnamaldehyde with 2-propanol on Al ₂ O ₃ and SiO ₂ /Al ₂ O ₃ catalysts: role of Lewis and Brønsted acidic sites. <i>Catalysis Science and Technology</i> , 2017 , 7, 4511-4519	5.5	23
7	Effects of a Catalyst on the Nanostructure and Reactivity of Soot under an Oxygen Atmosphere. <i>Energy & Fuels</i> , 2016 , 30, 2434-2442	4.1	7

6	Effects of support pre-calcination on the NO _x storage and reduction performance of PtBaO/Al ₂ O ₃ catalysts. <i>Catalysis Science and Technology</i> , 2013 , 3, 2062	5-5	15
5	High quality gold nanorods and nanospheres for surface-enhanced Raman scattering detection of 2,4-dichlorophenoxyacetic acid. <i>Nanotechnology</i> , 2012 , 23, 495710	3-4	13
4	NO _x Storage-Reduction Catalysis and Structure-Performance Relationship of Pt-BaO Catalyst. <i>Chinese Journal of Catalysis</i> , 2011 , 32, 17-26	11-3	
3	Characteristics of low platinum PtBaO catalysts for NO _x storage and reduction. <i>Catalysis Today</i> , 2010 , 153, 103-110	5-3	15
2	NO _x storage and reduction performance of PtCoOxBaO/Al ₂ O ₃ catalysts: Effects of cobalt loading and calcination temperature. <i>Catalysis Today</i> , 2010 , 158, 432-438	5-3	11
1	Performance Improvement of NO _x -Storage BaO/Al ₂ O ₃ by Using Barium Peroxide as the Precursor of BaO. <i>Catalysis Letters</i> , 2009 , 132, 189-196	2-8	4