

# Zhun Hu

## List of Publications by Citations

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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	110th Anniversary: Recent Progress and Future Challenges in Selective Catalytic Reduction of NO by H <sub>2</sub> in the Presence of O <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 10140-10153	3.9	23
22	Transfer hydrogenation of cinnamaldehyde with 2-propanol on Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts: role of Lewis and Brønsted acidic sites. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 4511-4519	5.5	23
21	Synergism between palladium and nickel on Pd-Ni/TiO <sub>2</sub> for H <sub>2</sub> -SCR: A transient DRIFTS study. <i>Journal of Catalysis</i> , <b>2020</b> , 381, 204-214	7.3	20
20	Effect of Crystal Phase of MnO <sub>2</sub> with Similar Nanorod-Shaped Morphology on the Catalytic Performance of Benzene Combustion. <i>ChemistrySelect</i> , <b>2019</b> , 4, 473-480	1.8	20
19	Morphology Effects of CeO <sub>2</sub> Nanomaterials on the Catalytic Combustion of Toluene: A Combined Kinetics and Diffuse Reflectance Infrared Fourier Transform Spectroscopy Study. <i>ACS Catalysis</i> , <b>2021</b> , 11, 7876-7889	13.1	19
18	Effects of support pre-calcination on the NO <sub>x</sub> storage and reduction performance of Pt/BaO/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 2062	5.5	15
17	Characteristics of low platinum Pt/BaO catalysts for NO <sub>x</sub> storage and reduction. <i>Catalysis Today</i> , <b>2010</b> , 153, 103-110	5.3	15
16	High quality gold nanorods and nanospheres for surface-enhanced Raman scattering detection of 2,4-dichlorophenoxyacetic acid. <i>Nanotechnology</i> , <b>2012</b> , 23, 495710	3.4	13
15	Solvent-Controlled Reactivity of Au/CeO <sub>2</sub> Towards Hydrogenation of p-Chloronitrobenzene. <i>Catalysis Letters</i> , <b>2018</b> , 148, 1490-1498	2.8	12
14	NO <sub>x</sub> storage and reduction performance of Pt/CeO <sub>x</sub> /BaO/Al <sub>2</sub> O <sub>3</sub> catalysts: Effects of cobalt loading and calcination temperature. <i>Catalysis Today</i> , <b>2010</b> , 158, 432-438	5.3	11
13	Do Olefin Hydrogenation Reactions Remain Structure Insensitive over Pt in Nanostructured Pt-on-Au Catalyst?. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10254-10260	13.1	10
12	Effect of initial support particle size of MnO <sub>2</sub> /TiO <sub>2</sub> catalysts in the selective catalytic reduction of NO with NH <sub>3</sub> . <i>RSC Advances</i> , <b>2019</b> , 9, 4682-4692	3.7	9
11	Effects of a Catalyst on the Nanostructure and Reactivity of Soot under an Oxygen Atmosphere. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 2434-2442	4.1	7
10	Formic Acid or Formate Derivatives as the In Situ Hydrogen Source in Au-Catalyzed Reduction of para-Chloronitrobenzene. <i>ChemistrySelect</i> , <b>2018</b> , 3, 2850-2853	1.8	5
9	Catalytic Dehydration of 1,4-Butanediol over MgO/Binary Oxides and the Mechanism Study. <i>ChemCatChem</i> , <b>2020</b> , 12, 2859-2871	5.2	4
8	Performance Improvement of NO <sub>x</sub> -Storage BaO/Al <sub>2</sub> O <sub>3</sub> by Using Barium Peroxide as the Precursor of BaO. <i>Catalysis Letters</i> , <b>2009</b> , 132, 189-196	2.8	4
7	Removal of Residual Poly(vinylpyrrolidone) from Gold Nanoparticles Immobilized on SiO <sub>2</sub> by Ultraviolet/Ozone Treatment. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5720-5729	5.6	3

6	In situ DRIFTS for the mechanistic studies of 1,4-butanediol dehydration over Yb/Zr catalysts. <i>Journal of Catalysis</i> , <b>2019</b> , 370, 138-151	7.3	3
5	Understanding the process of preparation of pure SSZ-13 via XRD and ATR-IR for selective catalytic reduction of NOx with NH3. <i>Materials Research Express</i> , <b>2019</b> , 6, 095510	1.7	1
4	Understanding the promotional effect of 3d transition metals (Fe, Co, Cu) on Pd/TiO2 for H2-SCR. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 886-894	5.5	1
3	Deactivation Influence of HF on the V2O5/WO3/TiO2 SCR Catalyst. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 4377-4386	4.6	1
2	Promoted solar-driven dry reforming of methane with Pt/mesoporous-TiO2 photo-thermal synergistic catalyst: Performance and mechanism study. <i>Energy Conversion and Management</i> , <b>2022</b> , 258, 115496	10.6	1
1	NOx Storage-Reduction Catalysis and Structure-Performance Relationship of Pt-BaO Catalyst. <i>Chinese Journal of Catalysis</i> , <b>2011</b> , 32, 17-26	11.3	