

# Haibo Zhu

## List of Publications by Year in descending order

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55  
papers

5,149  
citations

186265

28  
h-index

149698

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57  
docs citations

57  
times ranked

7148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pt-Sn clusters anchored at Al <sup>3+</sup> +penta sites as a sinter-resistant and regenerable catalyst for propane dehydrogenation. <i>Journal of Energy Chemistry</i> , 2022, 65, 293-301.	12.9	38
2	Bimetallic PtSn nanoparticles confined in hierarchical ZSM-5 for propane dehydrogenation. <i>Chinese Journal of Chemical Engineering</i> , 2022, 41, 384-391.	3.5	17
3	Propane dehydrogenation catalyzed by single Lewis acid site in Sn-Beta zeolite. <i>Journal of Catalysis</i> , 2021, 395, 155-167.	6.2	54
4	Hierarchical Flower-Like NiCu/SiO <sub>2</sub> Bimetallic Catalysts with Enhanced Catalytic Activity and Stability for Petroleum Resin Hydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 5432-5442.	3.7	17
5	Template free synthesis of hierarchical porous zeolite Beta with natural kaolin clay as alumina source. <i>Microporous and Mesoporous Materials</i> , 2020, 293, 109772.	4.4	43
6	Selective adsorption of Co(II)/Mn(II) by zeolites from purified terephthalic acid wastewater containing dissolved aromatic organic compounds and metal ions. <i>Science of the Total Environment</i> , 2020, 698, 134287.	8.0	30
7	Selectively catalytic hydrogenation of styrene-butadiene rubber over Pd/g-C <sub>3</sub> N <sub>4</sub> catalyst. <i>Applied Catalysis A: General</i> , 2020, 589, 117312.	4.3	14
8	Solvent Effect in Heterogeneous Catalytic Selective Hydrogenation of Nitrile Butadiene Rubber: Relationship between Reaction Activity and Solvents with Density Functional Theory Analysis. <i>ChemCatChem</i> , 2020, 12, 663-672.	3.7	11
9	Controllable synthesis of Ir(Rh)-Sn/SiO <sub>2</sub> bimetallic catalysts via surface organometallic chemistry for the production of ethanol from hydrogenolysis of ethyl acetate. <i>Catalysis Science and Technology</i> , 2020, 10, 1086-1095.	4.1	4
10	In Situ Diffuse Reflectance Infrared Fourier Transform Spectroscopy Investigations on the Evolution of Surface and Catalysis Properties of Alumina-Promoted Sulfated Zirconia during <i>n</i> -Butane Isomerization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 704-712.	3.7	3
11	Propane Dehydrogenation over Pt Clusters Localized at the Sn Single-Site in Zeolite Framework. <i>ACS Catalysis</i> , 2020, 10, 818-828.	11.2	136
12	The controlled synthesis of Pt/H <sub>2</sub> catalysts with intimate metal-acid sites for <i>n</i> -butane isomerization. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110547.	4.4	3
13	Green fabrication of hierarchical zeolites from natural minerals. <i>National Science Review</i> , 2020, 7, 1632-1634.	9.5	11
14	One-pot synthesis of FeCu-SSZ-13 zeolite with superior performance in selective catalytic reduction of NO by NH <sub>3</sub> from natural aluminosilicates. <i>Chemical Engineering Journal</i> , 2020, 398, 125515.	12.7	37
15	Effect of support morphology on the activity and reusability of Pd/SiO <sub>2</sub> for NBR hydrogenation. <i>Journal of Materials Science</i> , 2020, 55, 12876-12883.	3.7	8
16	Controlled synthesis of ZSM-5 zeolite with an unusual Al distribution in framework from natural aluminosilicate mineral. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110357.	4.4	17
17	Mesoscale depolymerization of natural rectorite mineral via a quasi-solid-phase approach for zeolite synthesis. <i>Chemical Engineering Science</i> , 2020, 220, 115635.	3.8	7
18	Unmodified bulk alumina as an efficient catalyst for propane dehydrogenation. <i>Catalysis Science and Technology</i> , 2020, 10, 3537-3541.	4.1	48

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19	Direct Synthesis of Hierarchical FeCu@ZSM-5 Zeolite with Wide Temperature Window in Selective Catalytic Reduction of NO by NH <sub>3</sub> . ChemCatChem, 2019, 11, 4744-4754.	3.7	21
20	Insights into the reaction pathway of n-butane conversion over HZSM-5 zeolite at low temperature. Applied Catalysis A: General, 2019, 584, 117135.	4.3	21
21	Bimetallic Pt-Sn nanocluster from the hydrogenolysis of a well-defined surface compound consisting of [(AlO) <sub>3</sub> Pt(COD)Me] and [(AlO) <sub>3</sub> SnPh <sub>3</sub> ] fragments for propane dehydrogenation. Journal of Catalysis, 2019, 374, 391-400.	6.2	34
22	Seed-assisted, template-free synthesis of ZSM-5 zeolite from natural aluminosilicate minerals. Applied Clay Science, 2018, 158, 177-185.	5.2	45
23	From cheap natural bauxite to high-efficient slurry-phase hydrocracking catalyst for high temperature coal tar: A simple hydrothermal modification. Fuel Processing Technology, 2018, 175, 123-130.	7.2	12
24	Dependence of Morphology, Dispersion and Hydrodesulfurization Performance of Active Phases in NiMo/SBA-15 on Loading Method. ChemCatChem, 2018, 10, 3717-3725.	3.7	9
25	Synthesis, Modification, and Application of Hollow Mesoporous Carbon Submicrospheres for Adsorptive Desulfurization. Industrial & Engineering Chemistry Research, 2018, 57, 15020-15030.	3.7	28
26	Direct synthesis of hierarchical SAPO-11 molecular sieve with enhanced hydroisomerization performance. Fuel Processing Technology, 2018, 179, 72-85.	7.2	62
27	Synthesis and catalytic application of alumina@SAPO-11 composite via the in situ assembly of silicoaluminophosphate nanoclusters at an alumina substrate. Catalysis Science and Technology, 2018, 8, 4209-4218.	4.1	11
28	Synthesis of single-crystal-like nanoporous carbon membranes and their application in overall water splitting. Nature Communications, 2017, 8, 13592.	12.8	142
29	Template-Free Synthesis and Catalytic Applications of Microporous and Hierarchical ZSM-5 Zeolites from Natural Aluminosilicate Minerals. Industrial & Engineering Chemistry Research, 2017, 56, 10069-10077.	3.7	26
30	A general approach for the synthesis of bimetallic M-Sn (M = Ru, Rh and Ir) catalysts for efficient hydrogenolysis of ester. Catalysis Science and Technology, 2017, 7, 581-586.	4.1	6
31	Gold Nanoparticles Supported on Fibrous Silica Nanospheres (KCC-1) as Efficient Heterogeneous Catalysts for CO Oxidation. ChemCatChem, 2016, 8, 1671-1678.	3.7	50
32	Ni-M-O (M = Sn, Ti, W) Catalysts Prepared by a Dry Mixing Method for Oxidative Dehydrogenation of Ethane. ACS Catalysis, 2016, 6, 2852-2866.	11.2	120
33	Organosilane with Gemini-Type Structure as the Mesoporegen for the Synthesis of the Hierarchical Porous ZSM-5 Zeolite. Langmuir, 2016, 32, 2085-2092.	3.5	21
34	Surface modification of g-C <sub>3</sub> N <sub>4</sub> by hydrazine: Simple way for noble-metal free hydrogen evolution catalysts. Chemical Engineering Journal, 2016, 286, 339-346.	12.7	67
35	VO <sub>x</sub> /SiO <sub>2</sub> Catalyst Prepared by Grafting VOCl <sub>3</sub> on Silica for Oxidative Dehydrogenation of Propane. ChemCatChem, 2015, 7, 3332-3339.	3.7	30
36	Surface Composition of Silver Nanocubes and Their Influence on Morphological Stabilization and Catalytic Performance in Ethylene Epoxidation. ACS Applied Materials & Interfaces, 2015, 7, 28576-28584.	8.0	28

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37	Synergetic Effects Leading to Coke-Resistant NiCo Bimetallic Catalysts for Dry Reforming of Methane. ChemCatChem, 2015, 7, 427-433.	3.7	58
38	A high-throughput reactor system for optimization of Mo-V-Nb mixed oxide catalyst composition in ethane ODH. Catalysis Science and Technology, 2015, 5, 4164-4173.	4.1	28
39	Ni-Ta-O mixed oxide catalysts for the low temperature oxidative dehydrogenation of ethane to ethylene. Journal of Catalysis, 2015, 329, 291-306.	6.2	57
40	Green Synthesis of Ni-Nb oxide Catalysts for Low-Temperature Oxidative Dehydrogenation of Ethane. ChemSusChem, 2015, 8, 1254-1263.	6.8	49
41	Metal oxides modified NiO catalysts for oxidative dehydrogenation of ethane to ethylene. Catalysis Today, 2014, 228, 58-64.	4.4	100
42	Sn surface-enriched Pt-Sn bimetallic nanoparticles as a selective and stable catalyst for propane dehydrogenation. Journal of Catalysis, 2014, 320, 52-62.	6.2	144
43	Production of Sulfate Radical from Peroxymonosulfate Induced by a Magnetically Separable CuFe <sub>2</sub> O <sub>4</sub> Spinel in Water: Efficiency, Stability, and Mechanism. Environmental Science & Technology, 2013, 47, 2784-2791.	10.0	960
44	Electrochemical reduction induced self-doping of Ti <sup>3+</sup> for efficient water splitting performance on TiO <sub>2</sub> based photoelectrodes. Physical Chemistry Chemical Physics, 2013, 15, 15637.	2.8	174
45	Methane Reacts with Heteropolyacids Chemisorbed on Silica to Produce Acetic Acid under Soft Conditions. Journal of the American Chemical Society, 2013, 135, 804-810.	13.7	24
46	A high-throughput study of the redox properties of Nb-Ni oxide catalysts by low temperature CO oxidation: Implications in ethane ODH. Catalysis Today, 2013, 203, 3-9.	4.4	20
47	Carbon-Layer-Protected Cuprous Oxide Nanowire Arrays for Efficient Water Reduction. ACS Nano, 2013, 7, 1709-1717.	14.6	380
48	Nb effect in the nickel oxide-catalyzed low-temperature oxidative dehydrogenation of ethane. Journal of Catalysis, 2012, 285, 292-303.	6.2	84
49	Magnetically Recoverable Nanocatalysts. Chemical Reviews, 2011, 111, 3036-3075.	47.7	1,535
50	Synthesis of ZSM-5 with intracrystal or intercrystal mesopores by polyvinyl butyral templating method. Journal of Colloid and Interface Science, 2009, 331, 432-438.	9.4	49
51	Synthesis and Catalytic Performances of Mesoporous Zeolites Templated by Polyvinyl Butyral Gel as the Mesopore Directing Agent. Journal of Physical Chemistry C, 2008, 112, 17257-17264.	3.1	78
52	Nanosized CaCO <sub>3</sub> as Hard Template for Creation of Intracrystal Pores within Silicalite-1 Crystal. Chemistry of Materials, 2008, 20, 1134-1139.	6.7	157
53	Effect of various templates on the formation of mesoporous benzene-silica hybrid material. Studies in Surface Science and Catalysis, 2007, 165, 429-432.	1.5	0
54	Synthesis and structure-directing effect of piperazinium hydroxides derived from piperazines for the formation of porous zeolites. Materials Letters, 2006, 60, 2161-2166.	2.6	12

#	ARTICLE	IF	CITATIONS
55	Efficiently tailoring the pore diameter of mesoporous MCM-48 to micropore. Materials Letters, 2005, 59, 2110-2114.	2.6	6