Mingyuan Zheng

List of Publications by Year
in descending order

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62 papers	4,928 citations	117625 34 h-index	118850 62 g-index
65 all docs	65 docs citations	65 times ranked	3939 citing authors

#	Article	IF	Citations
1	Heteroâ€Lattice Intergrown and Robust MOF Membranes for Polyol Upgrading. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
2	Heteroâ€Lattice Intergrown and Robust MOF Membranes for Polyol Upgrading. Angewandte Chemie, 2022, 134, .	2.0	3
3	Catalytic hydrogenation of maleic anhydride to Î³-butyrolactone over a high-performance hierarchical Ni-Zr-MFI catalyst. Journal of Catalysis, 2022, 410, 69-83.	6.2	9
4	Active and stable Cu doped NiMgAlO catalysts for upgrading ethanol to n-butanol. Journal of Energy Chemistry, 2022, 72, 306-317.	12.9	12
5	Zeolite-encapsulated Cu nanoparticles with enhanced performance for ethanol dehydrogenation. Journal of Catalysis, 2022, 413, 565-574.	6.2	16
6	Advances in catalytic dehydrogenation of ethanol to acetaldehyde. Green Chemistry, 2021, 23, 7902-7916.	9.0	41
7	Tuning the Reaction Selectivity over MgAl Spinel-Supported Pt Catalyst in Furfuryl Alcohol Conversion to Pentanediols. Catalysts, 2021, 11, 415.	3.5	2
8	Advancing development of biochemicals through the comprehensive evaluation of bio-ethylene glycol. Chemical Engineering Journal, 2021, 411, 128516.	12.7	19
9	Catalytic Aerobic Oxidation of Lignocellulose-Derived Levulinic Acid in Aqueous Solution: A Novel Route to Synthesize Dicarboxylic Acids for Bio-Based Polymers. ACS Catalysis, 2021, 11, 11588-11596.	11.2	13
10	Catalytic Conversion of Tetrahydrofurfuryl Alcohol over Stable Pt/MoS2 Catalysts. Catalysis Letters, 2021, 151, 2734-2747.	2.6	6
11	Complete conversion of lignocellulosic biomass to mixed organic acids and ethylene glycol <i>via</i> cascade steps. Green Chemistry, 2021, 23, 2427-2436.	9.0	23
12	Heterogeneous catalysts for CO₂hydrogenation to formic acid/formate: from nanoscale to single atom. Energy and Environmental Science, 2021, 14, 1247-1285.	30.8	152
13	Vapor-Phase Furfural Decarbonylation over a High-Performance Catalyst of 1%Pt/SBA-15. Catalysts, 2020, 10, 1304.	3.5	6
14	Hierarchical Echinus-like Cu-MFI Catalysts for Ethanol Dehydrogenation. ACS Catalysis, 2020, 10, 13624-13629.	11.2	63
15	Conversion of Ethanol to <i>n</i>-Butanol over NiCeO₂ Based Catalysts: Effects of Metal Dispersion and NiCe Interactions. Industrial & Engineering Chemistry Research, 2020, 59, 22057-22067.	3.7	18
16	Catalytic upgrading of ethanol to butanol over a binary catalytic system of FeNiO and LiOH. Chinese Journal of Catalysis, 2020, 41, 672-678.	14.0	20
17	Conversion of ethanol to 1,3-butadiene over high-performance Mgâ€“ZrO_x/MFI nanosheet catalysts <i>via</i> the two-step method. Green Chemistry, 2020, 22, 2852-2861.	9.0	24
18	Synthesis of ethanol and its catalytic conversion. Advances in Catalysis, 2019, 64, 89-191.	0.2	13

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19	Transition metal carbide catalysts for biomass conversion: A review. Applied Catalysis B: Environmental, 2019, 254, 510-522.	20.2	149
20	One-pot conversion of lysine to caprolactam over Ir/H-Beta catalysts. Green Chemistry, 2019, 21, 2462-2468.	9.0	23
21	Catalytic conversion of ethanol into butadiene over high performance LiZnHf-MFI zeolite nanosheets. Green Chemistry, 2019, 21, 1006-1010.	9.0	30
22	Unlock the Compact Structure of Lignocellulosic Biomass by Mild Ball Milling for Ethylene Glycol Production. ACS Sustainable Chemistry and Engineering, 2019, 7, 679-687.	6.7	62
23	Kinetic study on catalytic dehydration of 1,2-propanediol and 1,2-butanediol over H-Beta for bio-ethylene glycol purification. Chemical Engineering Journal, 2018, 335, 530-538.	12.7	15
24	Unique role of MÃ¶ssbauer spectroscopy in assessing structural features of heterogeneous catalysts. Applied Catalysis B: Environmental, 2018, 224, 518-532.	20.2	83
25	Selective conversion of concentrated glucose to 1,2-propylene glycol and ethylene glycol by using RuSn/AC catalysts. Applied Catalysis B: Environmental, 2018, 239, 300-308.	20.2	49
26	Catalytic Conversion of Carbohydrates to Methyl Lactate Using Isolated Tin Sites in SBAâ€•15. ChemistrySelect, 2017, 2, 309-314.	1.5	46
27	Selectivity Control for Cellulose to Diols: Dancing on Eggs. ACS Catalysis, 2017, 7, 1939-1954.	11.2	162
28	Chemocatalytic Conversion of Cellulosic Biomass to Methyl Glycolate, Ethylene Glycol, and Ethanol. ChemSusChem, 2017, 10, 1390-1394.	6.8	73
29	One-pot synthesis of 2-hydroxymethyl-5-methylpyrazine from renewable 1,3-dihydroxyacetone. Green Chemistry, 2017, 19, 3515-3519.	9.0	17
30	Selective removal of 1,2â€propanediol and 1,2â€butanediol from bioâ€ethylene glycol by catalytic reaction. AIChE Journal, 2017, 63, 4032-4042.	3.6	27
31	Production of renewable 1,3-pentadiene from xylitol via formic acid-mediated deoxydehydration and palladium-catalyzed deoxygenation reactions. Green Chemistry, 2017, 19, 638-642.	9.0	31
32	Ethylene glycol production from glucose over Wâ€Ru catalysts: Maximizing yield by kinetic modeling and simulation. AIChE Journal, 2017, 63, 2072-2080.	3.6	38
33	Upgrading ethanol to n-butanol over highly dispersed Niâ€“MgAlO catalysts. Journal of Catalysis, 2016, 344, 184-193.	6.2	103
34	Selectivity-Switchable Conversion of Cellulose to Glycols over Niâ€“Sn Catalysts. ACS Catalysis, 2016, 6, 191-201.	11.2	83
35	Industrially scalable and cost-effective synthesis of 1,3-cyclopentanediol with furfuryl alcohol from lignocellulose. Green Chemistry, 2016, 18, 3607-3613.	9.0	37
36	Synthesis of 1,6-hexanediol from HMF over double-layered catalysts of Pd/SiO₂ + Irâ€“ReO_x/SiO₂ in a fixed-bed reactor. Green Chemistry, 2016, 18, 2175-2184.	9.0	127

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37	Synthesis of ethylene glycol and terephthalic acid from biomass for producing PET. Green Chemistry, 2016, 18, 342-359.	9.0	254
38	Versatile Nickelâ€“Lanthanum(III) Catalyst for Direct Conversion of Cellulose to Glycols. ACS Catalysis, 2015, 5, 874-883.	11.2	92
39	Catalytic conversion of cellulosic biomass to ethylene glycol: Effects of inorganic impurities in biomass. Bioresource Technology, 2015, 175, 424-429.	9.6	48
40	One-pot catalytic conversion of cellulose to ethylene glycol and other chemicals: From fundamental discovery to potential commercialization. Chinese Journal of Catalysis, 2014, 35, 602-613.	14.0	72
41	Catalytic conversion of concentrated miscanthus in water for ethylene glycol production. AIChE Journal, 2014, 60, 2254-2262.	3.6	53
42	Catalytic Conversion of Cellulose to Ethylene Glycol over a Lowâ€Cost Binary Catalyst of Raney Ni and Tungstic Acid. ChemSusChem, 2013, 6, 652-658.	6.8	132
43	Catalytic Conversion of Concentrated Glucose to Ethylene Glycol with Semicontinuous Reaction System. Industrial & Engineering Chemistry Research, 2013, 52, 9566-9572.	3.7	103
44	Catalytic conversion of cellulose to hexitols with mesoporous carbon supported Ni-based bimetallic catalysts. Green Chemistry, 2012, 14, 614.	9.0	151
45	One-pot catalytic hydrocracking of raw woody biomass into chemicals over supported carbide catalysts: simultaneous conversion of cellulose, hemicellulose and lignin. Energy and Environmental Science, 2012, 5, 6383-6390.	30.8	358
46	Temperature-controlled phase-transfer catalysis for ethylene glycol production from cellulose. Chemical Communications, 2012, 48, 7052.	4.1	152
47	Selective Production of 1,2â€Propylene Glycol from Jerusalem Artichoke Tuber using Niâ€“W₂C/AC Catalysts. ChemSusChem, 2012, 5, 932-938.	6.8	74
48	Nickelâ€Promoted Tungsten Carbide Catalysts for Cellulose Conversion: Effect of Preparation Methods. ChemSusChem, 2012, 5, 939-944.	6.8	96
49	Catalytic Hydrogenation of Corn Stalk to Ethylene Glycol and 1,2-Propylene Glycol. Industrial & Engineering Chemistry Research, 2011, 50, 6601-6608.	3.7	119
50	Hydrolysis of cellulose into glucose over carbons sulfonated at elevated temperatures. Chemical Communications, 2010, 46, 6935.	4.1	313
51	A Novel Route to the Preparation of Carbon Supported Nickel Phosphide Catalysts by a Microwave Heating Process. Catalysis Letters, 2010, 135, 305-311.	2.6	18
52	Catalytic conversion of cellulose into ethylene glycol over supported carbide catalysts. Catalysis Today, 2009, 147, 77-85.	4.4	157
53	Carbon-covered Alumina: A Superior Support of Noble Metal-like Catalysts for Hydrazine Decomposition. Catalysis Letters, 2008, 121, 90-96.	2.6	32
54	Catalytic Performance of Activated Carbon Supported Tungsten Carbide for Hydrazine Decomposition. Catalysis Letters, 2008, 123, 150-155.	2.6	42

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55	Selective Hydrogenation of Cinnamaldehyde to Hydrocinnamaldehyde over SiO2 Supported Nickel Phosphide Catalysts. Catalysis Letters, 2008, 124, 219-225.	2.6	56
56	Direct Catalytic Conversion of Cellulose into Ethylene Glycol Using Nickelâ€Promoted Tungsten Carbide Catalysts. Angewandte Chemie - International Edition, 2008, 47, 8510-8513.	13.8	671
57	Cover Picture: Direct Catalytic Conversion of Cellulose into Ethylene Glycol Using Nickel-Promoted Tungsten Carbide Catalysts (Angew. Chem. Int. Ed. 44/2008). Angewandte Chemie - International Edition, 2008, 47, 8321-8321.	13.8	2
58	Titelbild: Direct Catalytic Conversion of Cellulose into Ethylene Glycol Using Nickel-Promoted Tungsten Carbide Catalysts (Angew. Chem. 44/2008). Angewandte Chemie, 2008, 120, 8445-8445.	2.0	0
59	Pd/Sulfated Aluminaâ€"A New Effective Catalyst for the Selective Catalytic Reduction of NO with CH₄. Topics in Catalysis, 2004, 30/31, 103-105.	2.8	5
60	Catalytic Decomposition of Hydrazine over Î±-Mo2C/Î³-Al2O3 Catalysts. Industrial & Engineering Chemistry Research, 2004, 43, 6040-6047.	3.7	30
61	Title is missing!. Catalysis Letters, 2002, 79, 21-25.	2.6	55
62	Microwave discharge-assisted NO reduction by CH4 over Co/HZSM-5 and Ni/HZSM-5 under O2 excess. Catalysis Letters, 2001, 73, 193-197.	2.6	37