Jifeng Pang

List of Publications by Citations

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46 papers	1,861 citations	21 h-index	43 g-index
49 ext. papers	2,310 ext. citations	9 avg, IF	4.85 L-index

#	Paper	IF	Citations
46	Hydrolysis of cellulose into glucose over carbons sulfonated at elevated temperatures. *Chemical Communications*, **2010**, 46, 6935-7	5.8	290
45	Synthesis of ethylene glycol and terephthalic acid from biomass for producing PET. *Green Chemistry* , **2016**, 18, 342-359	10	181
44	Catalytic conversion of cellulose to hexitols with mesoporous carbon supported Ni-based bimetallic catalysts. *Green Chemistry*, **2012**, 14, 614	10	130
43	Catalytic conversion of cellulose to ethylene glycol over a low-cost binary catalyst of Raney Ni and tungstic acid. *ChemSusChem*, **2013**, 6, 652-8	8.3	108
42	Selectivity Control for Cellulose to Diols: Dancing on Eggs. *ACS Catalysis*, **2017**, 7, 1939-1954	13.1	100
41	Catalytic Hydrogenation of Corn Stalk to Ethylene Glycol and 1,2-Propylene Glycol. *Industrial & Engineering Chemistry Research*, **2011**, 50, 6601-6608	3.9	100
40	Synthesis of 1,6-hexanediol from HMF over double-layered catalysts of Pd/SiO2 + Ir‑ReOx/SiO2 in a fixed-bed reactor. *Green Chemistry*, **2016**, 18, 2175-2184	10	88
39	Transition metal carbide catalysts for biomass conversion: A review. *Applied Catalysis B: Environmental*, **2019**, 254, 510-522	21.8	77
38	Upgrading ethanol to n-butanol over highly dispersed Ni‑MgAlO catalysts. *Journal of Catalysis*, **2016**, 344, 184-193	7.3	72
37	Versatile Nickel‑Lanthanum(III) Catalyst for Direct Conversion of Cellulose to Glycols. *ACS Catalysis*, **2015**, 5, 874-883	13.1	63
36	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	11.3	61
35	Chemocatalytic Conversion of Cellulosic Biomass to Methyl Glycolate, Ethylene Glycol, and Ethanol. *ChemSusChem*, **2017**, 10, 1390-1394	8.3	55
34	Selectivity-Switchable Conversion of Cellulose to Glycols over Ni‑Sn Catalysts. *ACS Catalysis*, **2016**, 6, 191-201	13.1	54
33	Catalytic conversion of concentrated miscanthus in water for ethylene glycol production. *AIChE Journal*, **2014**, 60, 2254-2262	3.6	42
32	Catalytic conversion of cellulosic biomass to ethylene glycol: Effects of inorganic impurities in biomass. *Bioresource Technology*, **2015**, 175, 424-9	11	37
31	One-Pot Production of Cellulosic Ethanol via Tandem Catalysis over a Multifunctional Mo/Pt/WOx Catalyst. *Joule*, **2019**, 3, 1937-1948	27.8	36
30	Catalytic Conversion of Carbohydrates to Methyl Lactate Using Isolated Tin Sites in SBA-15. *ChemistrySelect*, **2017**, 2, 309-314	1.8	35

29	Synthesis and Characterization of Poly(ethylene terephthalate) from Biomass-Based Ethylene Glycol: Effects of Miscellaneous Diols. *Industrial & Engineering Chemistry Research*, **2015**, 54, 5862-5869	3.9	30
28	Unlock the Compact Structure of Lignocellulosic Biomass by Mild Ball Milling for Ethylene Glycol Production. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 679-687	8.3	30
27	Production of renewable 1,3-pentadiene from xylitol via formic acid-mediated deoxydehydration and palladium-catalyzed deoxygenation reactions. *Green Chemistry*, **2017**, 19, 638-642	10	27
26	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	21.8	27
25	Ethylene glycol production from glucose over W-Ru catalysts: Maximizing yield by kinetic modeling and simulation. *AICHE Journal*, **2017**, 63, 2072-2080	3.6	21
24	Selective removal of 1,2-propanediol and 1,2-butanediol from bio-ethylene glycol by catalytic reaction. *AICHE Journal*, **2017**, 63, 4032-4042	3.6	19
23	Catalytic conversion of Jerusalem artichoke stalk to ethylene glycol over a combined catalyst of WO3 and Raney Ni. *Chinese Journal of Catalysis*, **2013**, 34, 2041-2046	11.3	18
22	Remarkable effect of extremely dilute H2SO4 on the cellulose conversion to ethylene glycol. *Applied Catalysis A: General*, **2015**, 502, 65-70	5.1	14
21	Hierarchical Echinus-like Cu-MFI Catalysts for Ethanol Dehydrogenation. *ACS Catalysis*, **2020**, 10, 13624-13629	13.1	14
20	One-pot synthesis of 2-hydroxymethyl-5-methylpyrazine from renewable 1,3-dihydroxyacetone. *Green Chemistry*, **2017**, 19, 3515-3519	10	13
19	Conversion of ethanol to 1,3-butadiene over high-performance Mg□rOx/MFI nanosheet catalysts via the two-step method. *Green Chemistry*, **2020**, 22, 2852-2861	10	13
18	One-pot conversion of lysine to caprolactam over Ir/H-Beta catalysts. *Green Chemistry*, **2019**, 21, 2462-2468	10	10
17	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	14.7	10
16	Catalytic upgrading of ethanol to butanol over a binary catalytic system of FeNiO and LiOH. *Chinese Journal of Catalysis*, **2020**, 41, 672-678	11.3	9
15	Low thermal expansion porous SiC□WC composite ceramics. *Ceramics International*, **2009**, 35, 3517-3520	5.1	9
14	Conversion of ethanol to 1,3□utadiene over Ag□rO2/SiO2 catalysts: The role of surface interfaces. *Journal of Energy Chemistry*, **2021**, 54, 7-15	12	9
13	Complete conversion of lignocellulosic biomass to mixed organic acids and ethylene glycol via cascade steps. *Green Chemistry*, **2021**, 23, 2427-2436	10	8
12	Catalytic conversion of Jerusalem artichoke tuber into hexitols using the bifunctional catalyst Ru/(AC-SO3H). *Chinese Journal of Catalysis*, **2015**, 36, 1694-1700	11.3	7

11	Advances in catalytic dehydrogenation of ethanol to acetaldehyde. *Green Chemistry*,	10	7
10	Mechanism and Kinetic Analysis of the Hydrogenolysis of Cellulose to Polyols. *Green Chemistry and Sustainable Technology*, **2016**, 227-260	1.1	5
9	Synthesis of ethanol and its catalytic conversion. *Advances in Catalysis*, **2019**, 64, 89-191	2.4	5
8	Weak-light-driven Ag�TiO2 photocatalyst and bactericide prepared by coprecipitation with effective Ag doping and deposition. *Optical Materials*, **2022**, 124, 111993	3.3	5
7	Catalytic conversion of glucose to small polyols over a binary catalyst of vanadium modified beta zeolite and Ru/C. *Journal of Energy Chemistry*, **2019**, 34, 88-95	12	5
6	Vapor-Phase Furfural Decarbonylation over a High-Performance Catalyst of 1%Pt/SBA-15. *Catalysts* , **2020**, 10, 1304	4	4
5	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	13.1	3
4	Conversion of Ethanol to n-Butanol over NiCeO2 Based Catalysts: Effects of Metal Dispersion and NiCe Interactions. *Industrial & Engineering Chemistry Research*, **2020**, 59, 22057-22067	3.9	2
3	Activated Carbon and Ordered Mesoporous Carbon-Based Catalysts for Biomass Conversion **2017**, 17-54		2
2	Catalytic Conversion of Tetrahydrofurfuryl Alcohol over Stable Pt/MoS2 Catalysts. *Catalysis Letters*, **2021**, 151, 2734-2747	2.8	2
1	Tuning the Reaction Selectivity over MgAl Spinel-Supported Pt Catalyst in Furfuryl Alcohol Conversion to Pentanediols. *Catalysts*, **2021**, 11, 415	4	