Ling-Zhao Kong

List of Publications by Citations

30 papers	565 citations	13 h-index	23 g-index
32 ext. papers	705 ext. citations	6.7 avg, IF	3.92 L-index

#	Paper	IF	Citations
30	Hydrothermal pretreatment of switchgrass and corn stover for production of ethanol and carbon microspheres. *Biomass and Bioenergy*, **2011**, 35, 956-968	5.3	141
29	Hydrothermal catalytic conversion of biomass for lactic acid production. *Journal of Chemical Technology and Biotechnology*, **2008**, 83, 383-388	3.5	73
28	Microwave-assisted gasification of rice straw pyrolytic biochar promoted by alkali and alkaline earth metals. *Journal of Analytical and Applied Pyrolysis*, **2015**, 112, 173-179	6	39
27	Low temperature microwave-assisted pyrolysis of wood sawdust for phenolic rich compounds: Kinetics and dielectric properties analysis. *Bioresource Technology*, **2017**, 238, 109-115	11	33
26	Paper-Derived Flexible 3D Interconnected Carbon Microfiber Networks with Controllable Pore Sizes for Supercapacitors. *ACS Applied Materials & Interfaces*, **2018**, 10, 37046-37056	9.5	25
25	Insights into oil recovery, soil rehabilitation and low temperature behaviors of microwave-assisted petroleum-contaminated soil remediation. *Journal of Hazardous Materials*, **2019**, 377, 341-348	12.8	24
24	Efficient production of lactic acid from sugars over Sn-Beta zeolite in water: catalytic performance and mechanistic insights. *Sustainable Energy and Fuels*, **2019**, 3, 1163-1171	5.8	24
23	Characteristics and pyrolysis dynamic behaviors of hydrothermally treated micro crystalline cellulose. *Journal of Analytical and Applied Pyrolysis*, **2013**, 100, 67-74	6	24
22	Highly efficient production of lactic acid from xylose using Sn-beta catalysts. *Green Chemistry*, **2020**, 22, 7333-7336	10	20
21	Hydrothermal Carbonization of Microalgae (Chlorococcum sp.) for Porous Carbons With High Cr(VI) Adsorption Performance. *Applied Biochemistry and Biotechnology*, **2018**, 186, 414-424	3.2	19
20	Formic Acid-Induced Controlled-Release Hydrolysis of Microalgae (Scenedesmus) to Lactic Acid over Sn-Beta Catalyst. *ChemSusChem*, **2018**, 11, 2492-2496	8.3	19
19	Catalyst Design for Selective Hydrodeoxygenation of Glycerol to 1,3-Propanediol. *ACS Catalysis*, **2020**, 10, 15217-15226	13.1	17
18	Microwave-assisted in-situ elimination of primary tars over biochar: Low temperature behaviours and mechanistic insights. *Bioresource Technology*, **2018**, 267, 333-340	11	16
17	Revealing low temperature microwave-assisted pyrolysis kinetic behaviors and dielectric properties of biomass components. *AICHE Journal*, **2018**, 64, 2124-2134	3.6	11
16	Efficient Low Temperature Hydrothermal Carbonization of Chinese Reed for Biochar with High Energy Density. *Energies*, **2017**, 10, 2094	3.1	11
15	Mechanism of Microwave-Assisted Pyrolysis of Glucose to Furfural Revealed by Isotopic Tracer and Quantum Chemical Calculations. *ChemSusChem*, **2017**, 10, 3040-3043	8.3	10
14	Structure-Dependent Selective Hydrogenation of α,β-Unsaturated Aldehydes over Platinum Nanocrystals Decorated with Nickel. *ChemPlusChem*, **2014**, 79, 1258-1262	2.8	8

List of Publications

13	Valerolactone-introduced controlled-isomerization of glucose for lactic acid production over an Sn-Beta catalyst. *Green Chemistry*, **2021**, 23, 2634-2639	10	8
12	Continuous Conversion of Glucose into Methyl Lactate over the Sn-Beta Zeolite: Catalytic Performance and Activity Insight. *Industrial & Engineering Chemistry Research*, **2020**, 59, 17365-17372	3.9	7
11	Efficient one-pot valorization of ethanol to 1-butanol over an earth-abundant NiMgO catalyst under mild conditions. *Sustainable Energy and Fuels*, **2020**, 4, 1612-1615	5.8	7
10	Mn-promoted hydrogenation of microalgae (Chlorococcum sp.) to 1,2-propanediol and ethylene glycol over Ni-ZnO catalysts. *Applied Catalysis A: General*, **2018**, 565, 34-45	5.1	7
9	Catalytic conversion of glucose into alkanediols over nickel-based catalysts: a mechanism study. *RSC Advances*, **2016**, 6, 62747-62753	3.7	7
8	Revealing the roles of components in glucose selective hydrogenation into 1,2-propanediol and ethylene glycol over Ni-MnOx-ZnO catalysts. *Journal of Energy Chemistry*, **2019**, 38, 15-19	12	6
7	Production of organic carboxylic acids by hydrothermal conversion of electron beam irradiation pretreated wheat straw. *Biomass Conversion and Biorefinery*, **2020**, 10, 997-1006	2.3	4
6	Microwave-assisted low-temperature biomass pyrolysis: from mechanistic insights to pilot scale. *Green Chemistry*, **2021**, 23, 821-827	10	2
5	Microwave-induced controlled-isomerization during glucose conversion into lactic acid over a Sn-beta catalyst. *Sustainable Energy and Fuels*,	5.8	1
4	Continuously efficient hydrodeoxygenation of glycerol into 1,3-propanediol over Pt/WOx/beta catalysts. *Sustainable Energy and Fuels*, **2021**, 5, 1747-1755	5.8	1
3	Efficient upgrading of polyolefin plastics into C5C12 gasoline alkanes over a Pt/W/Beta catalyst. *Sustainable Energy and Fuels*,	5.8	0
2	A comprehensive study of indole catalytic hydrodenitrogenation under hydrothermal conditions. *AICHE Journal*,e17531	3.6	0
1	Efficient one-pot tandem catalysis of glucose into 1,1,2-trimethoxyethane over W-Beta catalysts. *Sustainable Energy and Fuels*,	5.8	