

# Ling-Zhao Kong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Microwave-assisted low-temperature biomass pyrolysis: from mechanistic insights to pilot scale. <i>Green Chemistry</i> , <b>2021</b> , 23, 821-827	10	2
29	Continuously efficient hydrodeoxygenation of glycerol into 1,3-propanediol over Pt/WO <sub>x</sub> /beta catalysts. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 1747-1755	5.8	1
28	Valerolactone-introduced controlled-isomerization of glucose for lactic acid production over an Sn-Beta catalyst. <i>Green Chemistry</i> , <b>2021</b> , 23, 2634-2639	10	8
27	Catalyst Design for Selective Hydrodeoxygenation of Glycerol to 1,3-Propanediol. <i>ACS Catalysis</i> , <b>2020</b> , 10, 15217-15226	13.1	17
26	Continuous Conversion of Glucose into Methyl Lactate over the Sn-Beta Zeolite: Catalytic Performance and Activity Insight. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 17365-17372	7.9	7
25	Efficient one-pot valorization of ethanol to 1-butanol over an earth-abundant NiMgO catalyst under mild conditions. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1612-1615	5.8	7
24	Highly efficient production of lactic acid from xylose using Sn-beta catalysts. <i>Green Chemistry</i> , <b>2020</b> , 22, 7333-7336	10	20
23	Production of organic carboxylic acids by hydrothermal conversion of electron beam irradiation pretreated wheat straw. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 10, 997-1006	2.3	4
22	Revealing the roles of components in glucose selective hydrogenation into 1,2-propanediol and ethylene glycol over Ni-MnO <sub>x</sub> -ZnO catalysts. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 38, 15-19	12	6
21	Insights into oil recovery, soil rehabilitation and low temperature behaviors of microwave-assisted petroleum-contaminated soil remediation. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 377, 341-348	12.8	24
20	Efficient production of lactic acid from sugars over Sn-Beta zeolite in water: catalytic performance and mechanistic insights. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 1163-1171	5.8	24
19	Hydrothermal Carbonization of Microalgae ( <i>Chlorococcum</i> sp.) for Porous Carbons With High Cr(VI) Adsorption Performance. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 186, 414-424	3.2	19
18	Revealing low temperature microwave-assisted pyrolysis kinetic behaviors and dielectric properties of biomass components. <i>AIChE Journal</i> , <b>2018</b> , 64, 2124-2134	3.6	11
17	Mn-promoted hydrogenation of microalgae ( <i>Chlorococcum</i> sp.) to 1,2-propanediol and ethylene glycol over Ni-ZnO catalysts. <i>Applied Catalysis A: General</i> , <b>2018</b> , 565, 34-45	5.1	7
16	Microwave-assisted in-situ elimination of primary tars over biochar: Low temperature behaviours and mechanistic insights. <i>Bioresource Technology</i> , <b>2018</b> , 267, 333-340	11	16
15	Formic Acid-Induced Controlled-Release Hydrolysis of Microalgae ( <i>Scenedesmus</i> ) to Lactic Acid over Sn-Beta Catalyst. <i>ChemSusChem</i> , <b>2018</b> , 11, 2492-2496	8.3	19
14	Paper-Derived Flexible 3D Interconnected Carbon Microfiber Networks with Controllable Pore Sizes for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37046-37056	9.5	25

13	Low temperature microwave-assisted pyrolysis of wood sawdust for phenolic rich compounds: Kinetics and dielectric properties analysis. <i>Bioresource Technology</i> , <b>2017</b> , 238, 109-115	11	33
12	Mechanism of Microwave-Assisted Pyrolysis of Glucose to Furfural Revealed by Isotopic Tracer and Quantum Chemical Calculations. <i>ChemSusChem</i> , <b>2017</b> , 10, 3040-3043	8.3	10
11	Efficient Low Temperature Hydrothermal Carbonization of Chinese Reed for Biochar with High Energy Density. <i>Energies</i> , <b>2017</b> , 10, 2094	3.1	11
10	Catalytic conversion of glucose into alkanediols over nickel-based catalysts: a mechanism study. <i>RSC Advances</i> , <b>2016</b> , 6, 62747-62753	3.7	7
9	Microwave-assisted gasification of rice straw pyrolytic biochar promoted by alkali and alkaline earth metals. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2015</b> , 112, 173-179	6	39
8	Structure-Dependent Selective Hydrogenation of $\alpha$ -Unsaturated Aldehydes over Platinum Nanocrystals Decorated with Nickel. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1258-1262	2.8	8
7	Characteristics and pyrolysis dynamic behaviors of hydrothermally treated micro crystalline cellulose. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2013</b> , 100, 67-74	6	24
6	Hydrothermal pretreatment of switchgrass and corn stover for production of ethanol and carbon microspheres. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 956-968	5.3	141
5	Hydrothermal catalytic conversion of biomass for lactic acid production. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 383-388	3.5	73
4	Microwave-induced controlled-isomerization during glucose conversion into lactic acid over a Sn-beta catalyst. <i>Sustainable Energy and Fuels</i> ,	5.8	1
3	Efficient one-pot tandem catalysis of glucose into 1,1,2-trimethoxyethane over W-Beta catalysts. <i>Sustainable Energy and Fuels</i> ,	5.8	
2	Efficient upgrading of polyolefin plastics into C5-C12 gasoline alkanes over a Pt/W/Beta catalyst. <i>Sustainable Energy and Fuels</i> ,	5.8	0
1	A comprehensive study of indole catalytic hydrodenitrogenation under hydrothermal conditions. <i>AIChE Journal</i> , e17531	3.6	0