

Ling-Zhao Kong

List of Publications by Year in descending order

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31
papers

867
citations

516710

16
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

1187
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal pretreatment of switchgrass and corn stover for production of ethanol and carbon microspheres. <i>Biomass and Bioenergy</i> , 2011, 35, 956-968.	5.7	158
2	Hydrothermal catalytic conversion of biomass for lactic acid production. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 383-388.	3.2	88
3	Microwave-assisted gasification of rice straw pyrolytic biochar promoted by alkali and alkaline earth metals. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 112, 173-179.	5.5	54
4	Low temperature microwave-assisted pyrolysis of wood sawdust for phenolic rich compounds: Kinetics and dielectric properties analysis. <i>Bioresource Technology</i> , 2017, 238, 109-115.	9.6	51
5	Insights into oil recovery, soil rehabilitation and low temperature behaviors of microwave-assisted petroleum-contaminated soil remediation. <i>Journal of Hazardous Materials</i> , 2019, 377, 341-348.	12.4	45
6	Highly efficient production of lactic acid from xylose using Sn-beta catalysts. <i>Green Chemistry</i> , 2020, 22, 7333-7336.	9.0	42
7	Catalyst Design for Selective Hydrodeoxygenation of Glycerol to 1,3-Propanediol. <i>ACS Catalysis</i> , 2020, 10, 15217-15226.	11.2	39
8	Paper-Derived Flexible 3D Interconnected Carbon Microfiber Networks with Controllable Pore Sizes for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37046-37056.	8.0	38
9	Hydrothermal Carbonization of Microalgae (<i>Chlorococcum</i> sp.) for Porous Carbons With High Cr(VI) Adsorption Performance. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 414-424.	2.9	37
10	Efficient production of lactic acid from sugars over Sn-Beta zeolite in water: catalytic performance and mechanistic insights. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1163-1171.	4.9	36
11	Characteristics and pyrolysis dynamic behaviors of hydrothermally treated micro crystalline cellulose. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 100, 67-74.	5.5	25
12	Formic Acid-Induced Controlled-Release Hydrolysis of Microalgae (<i>Scenedesmus</i>) to Lactic Acid over Sn-Beta Catalyst. <i>ChemSusChem</i> , 2018, 11, 2492-2496.	6.8	24
13	Î³-Valerolactone-introduced controlled-isomerization of glucose for lactic acid production over an Sn-Beta catalyst. <i>Green Chemistry</i> , 2021, 23, 2634-2639.	9.0	24
14	Microwave-assisted in-situ elimination of primary tars over biochar: Low temperature behaviours and mechanistic insights. <i>Bioresource Technology</i> , 2018, 267, 333-340.	9.6	22
15	Microwave-assisted low-temperature biomass pyrolysis: from mechanistic insights to pilot scale. <i>Green Chemistry</i> , 2021, 23, 821-827.	9.0	18
16	Continuous Conversion of Glucose into Methyl Lactate over the Sn-Beta Zeolite: Catalytic Performance and Activity Insight. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17365-17372.	3.7	17
17	Efficient Low Temperature Hydrothermal Carbonization of Chinese Reed for Biochar with High Energy Density. <i>Energies</i> , 2017, 10, 2094.	3.1	16
18	Revealing low temperature microwave-assisted pyrolysis kinetic behaviors and dielectric properties of biomass components. <i>AIChE Journal</i> , 2018, 64, 2124-2134.	3.6	15

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19	Efficient one-pot valorization of ethanol to 1-butanol over an earth-abundant Ni ²⁺ /MgO catalyst under mild conditions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1612-1615.	4.9	15
20	Revealing the roles of components in glucose selective hydrogenation into 1,2-propanediol and ethylene glycol over Ni-MnO ₂ -ZnO catalysts. <i>Journal of Energy Chemistry</i> , 2019, 38, 15-19.	12.9	14
21	Efficient upgrading of polyolefin plastics into C ₅ -C ₁₂ gasoline alkanes over a Pt/W/Beta catalyst. <i>Sustainable Energy and Fuels</i> , 2022, 6, 271-275.	4.9	14
22	Mechanism of Microwave-Assisted Pyrolysis of Glucose to Furfural Revealed by Isotopic Tracer and Quantum Chemical Calculations. <i>ChemSusChem</i> , 2017, 10, 3040-3043.	6.8	13
23	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> , 2018, 565, 34-45.	4.3	13
24	Structure-Dependent Selective Hydrogenation of α,β -Unsaturated Aldehydes over Platinum Nanocrystals Decorated with Nickel. <i>ChemPlusChem</i> , 2014, 79, 1258-1262.	2.8	12
25	Catalytic conversion of glucose into alkanediols over nickel-based catalysts: a mechanism study. <i>RSC Advances</i> , 2016, 6, 62747-62753.	3.6	8
26	Production of organic carboxylic acids by hydrothermal conversion of electron beam irradiation pretreated wheat straw. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 997-1006.	4.6	6
27	Microwave-induced controlled-isomerization during glucose conversion into lactic acid over a Sn-beta catalyst. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1264-1268.	4.9	6
28	A comprehensive study of indole catalytic hydrodenitrogenation under hydrothermal conditions. <i>AIChE Journal</i> , 2022, 68, e17531.	3.6	5
29	Continuously efficient hydrodeoxygenation of glycerol into 1,3-propanediol over Pt/WO _x /beta catalysts. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1747-1755.	4.9	4
30	Efficient one-pot tandem catalysis of glucose into 1,1,2-trimethoxyethane over W-Beta catalysts. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1051-1057.	4.9	4
31	Advanced catalytic CO ₂ hydrogenation on Ni/ZrO ₂ with light induced oxygen vacancy formation in photothermal conditions at medium-low temperatures. <i>Catalysis Science and Technology</i> , 2022, 12, 4740-4752.	4.1	3