Zhicheng Luo

List of Publications by Year
in descending order

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15	695	687363 13	996975 15
papers	citations	h-index	g-index

17	17	17	739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The influence of pore structures and Lewis acid sites on selective hydrogenolysis of guaiacol to benzene over Ru/TS-1. Green Energy and Environment, 2022, 7, 1014-1023.	8.7	15
2	General Synthetic Strategy to Ordered Mesoporous Carbon Catalysts with Singleâ€Atom Metal Sites for Electrochemical CO₂ Reduction. Small, 2022, 18, e2107799.	10.0	13
3	Selective production of acetol or methyl lactate from cellulose over RuSn catalysts. Journal of Energy Chemistry, 2022, 73, 607-614.	12.9	10
4	One-pot hydrogenolysis of cellulose to bioethanol over Pd-Cu-WOx/SiO2 catalysts. Fuel, 2021, 292, 120311.	6.4	20
5	Liquefaction and Hydrodeoxygenation of Polymeric Lignin Using a Hierarchical Ni Microreactor Catalyst. ACS Sustainable Chemistry and Engineering, 2020, 8, 2158-2166.	6.7	23
6	Transition metal-like carbocatalyst. Nature Communications, 2020, 11, 4091.	12.8	27
7	Selective conversion of lignin to ethylbenzene. Green Chemistry, 2020, 22, 1842-1850.	9.0	48
8	The conversion of a high concentration of lignin to cyclic alkanes by introducing Pt/HAP into a Ni/ASA catalyst. Green Chemistry, 2020, 22, 2901-2908.	9.0	22
9	Mechanism of supported Ru₃Sn₇ nanocluster-catalyzed selective hydrogenation of coconut oil to fatty alcohols. Catalysis Science and Technology, 2018, 8, 1322-1332.	4.1	49
10	Morphologically Crossâ€Shaped Ru/HZSMâ€5 Catalyzes Tandem Hydrogenolysis of Guaiacol to Benzene in Water. ChemCatChem, 2018, 10, 1376-1384.	3.7	33
11	Bimetallic Ruâ€“Ni Catalyzed Aqueous-Phase Guaiacol Hydrogenolysis at Low H₂ Pressures. ACS Catalysis, 2017, 7, 8304-8313.	11.2	130
12	Hydrothermally stable Ru/HZSM-5-catalyzed selective hydrogenolysis of lignin-derived substituted phenols to bio-arenes in water. Green Chemistry, 2016, 18, 5845-5858.	9.0	128
13	Mechanisms into dehydroaromatization of bio-derived limonene to p-cymene over Pd/HZSM-5 in the presence and absence of H₂. RSC Advances, 2016, 6, 66695-66704.	3.6	22
14	Mechanistic insights into selective hydrodeoxygenation of lignin-derived Î²-O-4 linkage to aromatic hydrocarbons in water. Catalysis Science and Technology, 2016, 6, 3476-3484.	4.1	44
15	Precise oxygen scission of lignin derived aryl ethers to quantitatively produce aromatic hydrocarbons in water. Green Chemistry, 2016, 18, 433-441.	9.0	111