

Chao Li

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

633
citations

623574

14
h-index

610775

24
g-index

26
all docs

26
docs citations

26
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Different reaction behaviours of light or heavy density polyethylene during the pyrolysis with biochar as the catalyst. <i>Journal of Hazardous Materials</i> , 2020, 399, 123075.	6.5	74
2	Co-pyrolysis of cellulose/lignin and sawdust: Influence of secondary condensation of the volatiles on characteristics of biochar. <i>Energy</i> , 2021, 226, 120442.	4.5	62
3	Pyrolysis of waste surgical masks into liquid fuel and its life-cycle assessment. <i>Bioresource Technology</i> , 2022, 346, 126582.	4.8	62
4	Impact of heating rates on the evolution of function groups of the biochar from lignin pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 155, 105031.	2.6	56
5	In situ characterization of functional groups of biochar in pyrolysis of cellulose. <i>Science of the Total Environment</i> , 2021, 799, 149354.	3.9	50
6	Co-pyrolysis of coke bottle wastes with cellulose, lignin and sawdust: Impacts of the mixed feedstock on char properties. <i>Renewable Energy</i> , 2022, 181, 1126-1139.	4.3	48
7	Progress of the development of reactors for pyrolysis of municipal waste. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5885-5915.	2.5	32
8	Catalytic pyrolysis of polyethylene terephthalate over zeolite catalyst: Characteristics of coke and the products. <i>International Journal of Energy Research</i> , 2021, 45, 19028-19042.	2.2	25
9	Interaction of the volatiles from co-pyrolysis of pig manure with cellulose/glucose and their effects on char properties. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104583.	3.3	20
10	Fates of heavy organics of bio-oil in hydrotreatment: The key challenge in the way from biomass to biofuel. <i>Science of the Total Environment</i> , 2021, 778, 146321.	3.9	20
11	Pyrolysis of furfural residues: Property and applications of the biochar. <i>Journal of Environmental Management</i> , 2022, 316, 115324.	3.8	20
12	Pyrolysis of cellulose: Correlation of hydrophilicity with evolution of functionality of biochar. <i>Science of the Total Environment</i> , 2022, 825, 153959.	3.9	19
13	Pyrolysis of saw dust with co-feeding of methanol. <i>Renewable Energy</i> , 2020, 160, 1023-1035.	4.3	18
14	Pyrolysis of soybean residue: Understanding characteristics of the products. <i>Renewable Energy</i> , 2021, 174, 487-500.	4.3	17
15	Cross-interaction of volatiles from co-pyrolysis of lignin with pig manure and their effects on properties of the resulting biochar. <i>Biochar</i> , 2021, 3, 391-405.	6.2	15
16	Impact of Acidic/Basic Sites of the Catalyst on Properties of the Coke Formed in Pyrolysis of Guaiacol: A Model Compound of the Phenolics in Bio-oil. <i>Energy & Fuels</i> , 2020, 34, 11026-11040.	2.5	13
17	Understanding evolution of the products and emissions during chemical activation of furfural residue with varied potassium salts. <i>Journal of Cleaner Production</i> , 2022, 357, 131936.	4.6	12
18	Biochar catalyzing polymerization of the volatiles from pyrolysis of poplar wood. <i>International Journal of Energy Research</i> , 2021, 45, 13936-13951.	2.2	11

#	ARTICLE	IF	CITATIONS
19	Activation of waste paper: Influence of varied chemical agents on product properties. Waste Management, 2022, 146, 94-105.	3.7	11
20	Impacts of temperature on hydrophilicity/functionalities of char and evolution of bio-oil/gas in pyrolysis of pig manure. Fuel, 2022, 323, 124330.	3.4	10
21	Pyrolysis of cellulose with co-feeding of formic or acetic acid. Cellulose, 2020, 27, 4909-4929.	2.4	9
22	Pyrolysis of sesame residue: Evolution of the volatiles and structures of biochar versus temperature. Environmental Technology and Innovation, 2021, 24, 101859.	3.0	9
23	Cu-Based Nanoparticles as Catalysts for Selective Hydrogenation of Biomass-Derived 5-Hydroxymethylfurfural to 1,2-Hexanediol. ACS Applied Nano Materials, 2022, 5, 5882-5894.	2.4	9
24	Influence of asphalt-derived volatiles on property of the biochar from pyrolysis of sawdust. Fuel Processing Technology, 2022, 234, 107343.	3.7	7
25	Pyrolysis behaviors of rapeseed meal: products distribution and properties. Biomass Conversion and Biorefinery, 0, , 1.	2.9	2
26	Co-pyrolysis of polyethylene terephthalate and poplar wood: influence of zeolite catalyst on coke formation. Biomass Conversion and Biorefinery, 0, , 1.	2.9	2