

Li Pan

List of Publications by Year in descending order

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29
papers

1,314
citations

430874
18
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477307
29
g-index

29
all docs

29
docs citations

29
times ranked

1402
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production from biomass gasification using biochar as a catalyst/support. Bioresource Technology, 2016, 216, 159-164.	9.6	215
2	Influence of physicochemical properties of metal modified ZSM-5 catalyst on benzene, toluene and xylene production from biomass catalytic pyrolysis. Bioresource Technology, 2019, 278, 248-254.	9.6	127
3	Algae pyrolytic poly-generation: Influence of component difference and temperature on products characteristics. Energy, 2017, 131, 1-12.	8.8	103
4	Synthesis and characterization of magnesium oxide nanoparticle-containing biochar composites for efficient phosphorus removal from aqueous solution. Chemosphere, 2020, 247, 125847.	8.2	102
5	Co-gasification of coal and biomass: Synergy, characterization and reactivity of the residual char. Bioresource Technology, 2017, 244, 1-7.	9.6	82
6	Aromatics production with metal oxides and ZSM-5 as catalysts in catalytic pyrolysis of wood sawdust. Fuel Processing Technology, 2019, 188, 146-152.	7.2	78
7	Preparation of mesoporous ZSM-5 catalysts using green templates and their performance in biomass catalytic pyrolysis. Bioresource Technology, 2019, 289, 121729.	9.6	61
8	Preparation of nitrogen-doped microporous modified biochar by high temperature CO_2 - NH_3 treatment for CO_2 adsorption: effects of temperature. RSC Advances, 2016, 6, 98157-98166.	3.6	59
9	Correlation of Feedstock and Bio-oil Compound Distribution. Energy & Fuels, 2017, 31, 7093-7100.	5.1	53
10	Effect of Carboxymethyl Cellulose Binder on the Quality of Biomass Pellets. Energy & Fuels, 2016, 30, 5799-5808.	5.1	50
11	The effect of combined pretreatments on the pyrolysis of corn stalk. Bioresource Technology, 2019, 281, 309-317.	9.6	48
12	Application of biomass pyrolytic polygeneration by a moving bed: Characteristics of products and energy efficiency analysis. Bioresource Technology, 2018, 254, 130-138.	9.6	46
13	Vapor-solid interaction among cellulose, hemicellulose and lignin. Fuel, 2020, 263, 116681.	6.4	34
14	Influence of torrefaction with Mg-based additives on the pyrolysis of cotton stalk. Bioresource Technology, 2018, 261, 62-69.	9.6	31
15	Catalytic Upgrading of Fast Pyrolysis Products with Fe-, Zr-, and Co-Modified Zeolites Based on Pyrolyzer-GC/MS Analysis. Energy & Fuels, 2017, 31, 3979-3986.	5.1	30
16	Characterization of Hydrochar Pellets from Hydrothermal Carbonization of Agricultural Residues. Energy & Fuels, 2018, 32, 11538-11546.	5.1	26
17	Lignin Characterization and Catalytic Pyrolysis for Phenol-Rich Oil with TiO_2 -Based Catalysts. Energy & Fuels, 2019, 33, 9934-9941.	5.1	23
18	Production of furfural and levoglucosan from typical agricultural wastes via pyrolysis coupled with hydrothermal conversion: Influence of temperature and raw materials. Waste Management, 2020, 114, 43-52.	7.4	20

#	ARTICLE	IF	CITATIONS
19	Experiment and Modeling Study of Glucose Pyrolysis: Formation of 3-Hydroxy- β -butyrolactone and 3-(2-H-Furanone. Energy & Fuels, 2018, 32, 9519-9529.	5.1	18
20	Lignin pyrolysis under NH ₃ atmosphere for 4-vinylphenol product: An experimental and theoretical study. Fuel, 2021, 297, 120776.	6.4	18
21	P-Based Additive for Reducing Fine Particulate Matter Emissions during Agricultural Biomass Combustion. Energy & Fuels, 2019, 33, 11274-11284.	5.1	17
22	Effect of Mesopores in ZSM-5 on the Catalytic Conversion of Acetic Acid, Furfural, and Guaiacol. Energy & Fuels, 2021, 35, 6022-6029.	5.1	16
23	Effects of Temperature and Mg-Based Additives on Properties of Cotton Stalk Torrefaction Products. Energy & Fuels, 2018, 32, 9640-9649.	5.1	12
24	Hydrothermal Treatment of High Ash Microalgae: Focusing on the Physicochemical and Combustion Properties of Hydrochars. Energy & Fuels, 2020, 34, 1929-1939.	5.1	10
25	Pyrolysis of boron-crosslinked lignin: Influence on lignin softening and product properties. Bioresource Technology, 2022, 355, 127218.	9.6	10
26	Biomass hydrothermal conversion under CO ₂ atmosphere: A way to improve the regulation of hydrothermal products. Science of the Total Environment, 2022, 807, 150900.	8.0	8
27	eDirect: Energy-Efficient D2D-Assisted Relaying Framework for Cellular Signaling Reduction. IEEE/ACM Transactions on Networking, 2020, 28, 860-873.	3.8	7
28	Effects of acid and metal salt additives on product characteristics of biomass microwave pyrolysis. Journal of Renewable and Sustainable Energy, 2016, 8, .	2.0	5
29	Effects of the physicochemical properties of biochar and soil on moisture sorption. Journal of Renewable and Sustainable Energy, 2016, 8, 064702.	2.0	5