

Feng Cheng

List of Publications by Year in descending order

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28
papers

934
citations

567281

15
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

1100
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-crude oil production and valorization of hydrochar as anode material from hydrothermal liquefaction of algae grown on brackish dairy wastewater. <i>Fuel Processing Technology</i> , 2022, 227, 107119.	7.2	11
2	Accuracy of predictions made by machine learned models for biocrude yields obtained from hydrothermal liquefaction of organic wastes. <i>Chemical Engineering Journal</i> , 2022, 442, 136013.	12.7	24
3	Best practices for bio-crude oil production at pilot scale using continuous flow reactors. , 2022, , 1061-1119.		1
4	Exploring spent biomass-derived adsorbents as anodes for lithium ion batteries. <i>Materials Today Energy</i> , 2021, 19, 100580.	4.7	10
5	A Poriferous Nanoflake-Assembled Flower-Like Ni ₅ P ₄ Anode for High-Performance Sodium-Ion Batteries. <i>Energy Material Advances</i> , 2021, 2021, .	11.0	6
6	Metal oxide supported Ni-impregnated bifunctional catalysts for controlling char formation and maximizing energy recovery during catalytic hydrothermal liquefaction of food waste. <i>Sustainable Energy and Fuels</i> , 2021, 5, 941-955.	4.9	23
7	Waste-to-wealth application of wastewater treatment algae-derived hydrochar for Pb(II) adsorption. <i>MethodsX</i> , 2021, 8, 101263.	1.6	9
8	Ash-pretreatment and hydrothermal liquefaction of filamentous algae grown on dairy wastewater. <i>Algal Research</i> , 2021, 57, 102282.	4.6	13
9	Integrated Extraction and Catalytic Upgrading of Biocrude Oil from Co-hydrothermal Liquefaction of Crude Glycerol and Algae. <i>Energy & Fuels</i> , 2021, 35, 12165-12174.	5.1	6
10	Conversion of protein-rich lignocellulosic wastes to bio-energy: Review and recommendations for hydrolysis + fermentation and anaerobic digestion. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 146, 111167.	16.4	41
11	Recovery of Nitrogen from Low-Cost Plant Feedstocks Used for Bioenergy: A Review of Availability and Process Order. <i>Energy & Fuels</i> , 2021, 35, 14361-14381.	5.1	1
12	Recovery of struvite from hydrothermally processed algal biomass cultivated in urban wastewaters. <i>Resources, Conservation and Recycling</i> , 2020, 163, 105089.	10.8	31
13	Co-hydrothermal liquefaction of wastewater-grown algae and crude glycerol: A novel strategy of bio-crude oil-aqueous separation and techno-economic analysis for bio-crude oil recovery and upgrading. <i>Algal Research</i> , 2020, 51, 102077.	4.6	20
14	Systematic Study of Al Impurity for NCM622 Cathode Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9875-9884.	6.7	53
15	Impact of feedstock composition on pyrolysis of low-cost, protein- and lignin-rich biomass: A review. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 147, 104780.	5.5	93
16	Characterization of resin extracted from guayule (<i>Parthenium argentatum</i>): A dataset including GC-MS and FT-ICR MS. <i>Data in Brief</i> , 2020, 31, 105989.	1.0	10
17	Synergistic Effects of Inexpensive Mixed Metal Oxides for Catalytic Hydrothermal Liquefaction of Food Wastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6877-6886.	6.7	39
18	Characterization and evaluation of guayule processing residues as potential feedstock for biofuel and chemical production. <i>Industrial Crops and Products</i> , 2020, 150, 112311.	5.2	34

#	ARTICLE	IF	CITATIONS
19	Roles of Co-solvents in hydrothermal liquefaction of low-lipid, high-protein algae. <i>Bioresource Technology</i> , 2020, 310, 123454.	9.6	38
20	Hydrothermal liquefaction of <i>Galdieria sulphuraria</i> grown on municipal wastewater. <i>Bioresource Technology</i> , 2019, 292, 121884.	9.6	55
21	Bio-crude oil from hydrothermal liquefaction of wastewater microalgae in a pilot-scale continuous flow reactor. <i>Bioresource Technology</i> , 2019, 294, 122184.	9.6	49
22	<i><i>Co-Products and Biofuels from Guar and Guayule Processing Residues</i>, , 2019, , .		2
23	<i><i>Roles of Co-solvents in Hydrothermal Liquefaction of Protein-Rich Algae</i>, , 2019, , .		1
24	<i><i>Hydrothermal Liquefaction of Food Waste: Bio-crude oil Characterization, Mass and Energy Balance</i>, , 2019, , .		4
25	Modification of a pilot-scale continuous flow reactor for hydrothermal liquefaction of wet biomass. <i>MethodsX</i> , 2019, 6, 2793-2806.	1.6	10
26	Hydrothermal liquefaction of high- and low-lipid algae: Mass and energy balances. <i>Bioresource Technology</i> , 2018, 258, 158-167.	9.6	81
27	Producing jet fuel from biomass lignin: Potential pathways to alkyl-benzenes and cycloalkanes. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 673-722.	16.4	168
28	Hydrothermal liquefaction of high- and low-lipid algae: Bio-crude oil chemistry. <i>Applied Energy</i> , 2017, 206, 278-292.	10.1	101