

Rongsheng Ruan

List of Publications by Year in descending order

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Version: 2024-02-01

503
papers

26,514
citations

5558

82
h-index

11581

135
g-index

513
all docs

513
docs citations

513
times ranked

16195
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-carrying enhances the combustion temperature of the biomass particles. <i>Energy</i> , 2022, 239, 121956.	4.5	16
2	Plastic waste upcycling toward a circular economy. <i>Chemical Engineering Journal</i> , 2022, 428, 131928.	6.6	169
3	Pulse pyrolysis of waste cooking oil over CaO: Exploration of catalyst deactivation pathway based on feedstock characteristics. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120968.	10.8	25
4	Improving the efficiency of anaerobic digestion: Domesticated paddy soil microbes enhance the hydrolytic acidification of rice straw and pig manure. <i>Bioresource Technology</i> , 2022, 345, 126570.	4.8	12
5	Microwave catalytic co-pyrolysis of waste cooking oil and low-density polyethylene to produce monocyclic aromatic hydrocarbons: Effect of different catalysts and pyrolysis parameters. <i>Science of the Total Environment</i> , 2022, 809, 152182.	3.9	31
6	Development of metal-doping mesoporous biochar catalyst for co-valorizing biomass and plastic waste into valuable hydrocarbons, syngas, and carbons. <i>Fuel Processing Technology</i> , 2022, 227, 107127.	3.7	23
7	Biochar-advanced thermocatalytic salvaging of the waste disposable mask with the production of hydrogen and mono-aromatic hydrocarbons. <i>Journal of Hazardous Materials</i> , 2022, 426, 128080.	6.5	25
8	Pressurized ex-situ catalytic co-pyrolysis of polyethylene and lignin: Efficient BTEX production and process mechanism analysis. <i>Chemical Engineering Journal</i> , 2022, 431, 134122.	6.6	47
9	Algal cultivation and algal residue conversion to bioenergy and valuable chemicals. , 2022, , 115-130.		0
10	Improved growth of bait microalgae <i>Isochrysis</i> and aquacultural wastewater treatment with mixotrophic culture. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 589-597.	1.7	6
11	Enhancing the activity of Zn, Fe, and Ni-embedded microporous biocarbon: Towards efficiently catalytic fast co-pyrolysis/gasification of lignocellulosic and plastic wastes. <i>Energy Conversion and Management: X</i> , 2022, 13, 100176.	0.9	5
12	A review on catalytic pyrolysis of plastic wastes to high-value products. <i>Energy Conversion and Management</i> , 2022, 254, 115243.	4.4	145
13	Corn cob pyrolysis: Improvement in hydrocarbon group types distribution of bio oil from co-catalysis over HZSM-5 and activated carbon. <i>Waste Management</i> , 2022, 141, 8-15.	3.7	19
14	Integrated marine microalgae biorefineries for improved bioactive compounds: A review. <i>Science of the Total Environment</i> , 2022, 817, 152895.	3.9	27
15	Feasibility of pomelo peel dietary fiber as natural functional emulsifier for preparation of Pickering-type emulsion. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 4491-4499.	1.7	5
16	The Active Phytohormone in Microalgae: The Characteristics, Efficient Detection, and Their Adversity Resistance Applications. <i>Molecules</i> , 2022, 27, 46.	1.7	24
17	Microwave-Assisted <i>Camellia oleifera</i> Abel Shell Biochar Catalyzed Fast Pyrolysis of Waste Vegetable Oil to Produce Aromatic-Rich Bio-Oil. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	3
18	Heterotrophic and mixotrophic cultivation of microalgae to simultaneously achieve furfural wastewater treatment and lipid production. <i>Bioresource Technology</i> , 2022, 349, 126888.	4.8	27

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19	The combination of aerobic and microaerobic promote hydrolysis and acidification of rice straw and pig manure: Balance of insoluble and soluble substrate. <i>Bioresource Technology</i> , 2022, 350, 126880.	4.8	6
20	Modification of <i>Haematococcus pluvialis</i> algal residue by ionic liquid for improved extraction of astaxanthin followed by removal of acid red dye in water. <i>Algal Research</i> , 2022, 64, 102656.	2.4	4
21	Synthesis of CaO from waste shells for microwave-assisted catalytic pyrolysis of waste cooking oil to produce aromatic-rich bio-oil. <i>Science of the Total Environment</i> , 2022, 827, 154186.	3.9	11
22	A structured catalyst of ZSM-5/SiC foam for chemical recycling of waste plastics via catalytic pyrolysis. <i>Chemical Engineering Journal</i> , 2022, 440, 135836.	6.6	29
23	Biochar: From by-products of agro-industrial lignocellulosic waste to tailored carbon-based catalysts for biomass thermochemical conversions. <i>Chemical Engineering Journal</i> , 2022, 441, 135972.	6.6	69
24	Multiple hydrolyses of rice straw by domesticated paddy soil microbes for methane production via liquid anaerobic digestion. <i>Bioresource Technology</i> , 2022, 354, 127184.	4.8	8
25	Development of microalgae-bacteria symbiosis system for enhanced treatment of biogas slurry. <i>Bioresource Technology</i> , 2022, 354, 127187.	4.8	23
26	Research progress on the role of common metal catalysts in biomass pyrolysis: a state-of-the-art review. <i>Green Chemistry</i> , 2022, 24, 3922-3942.	4.6	34
27	Application of Phosphate Materials as Constructed Wetland Fillers for Efficient Removal of Heavy Metals from Wastewater. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5344.	1.2	0
28	Ecotoxicological response of <i>Spirulina platensis</i> to coexisted copper and zinc in anaerobic digestion effluent. <i>Science of the Total Environment</i> , 2022, 837, 155874.	3.9	6
29	Improvement of the carbon yield from biomass carbonization through sulfuric acid pre-dehydration at room temperature. <i>Bioresource Technology</i> , 2022, 355, 127251.	4.8	17
30	Conversion of low-density polyethylene into monocyclic aromatic hydrocarbons by catalytic pyrolysis: Comparison of HZSM-5, H ₂ , HY and MCM-41. <i>Journal of Cleaner Production</i> , 2022, 358, 131989.	4.6	28
31	Lignocellulosic biomass pyrolysis for aromatic hydrocarbons production: Pre and in-process enhancement methods. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 165, 112607.	8.2	42
32	Effects of microalgae-bacteria inoculation ratio on biogas slurry treatment and microorganism interactions in the symbiosis system. <i>Journal of Cleaner Production</i> , 2022, 362, 132271.	4.6	15
33	Phenolic-rich bio-oil production by microwave catalytic pyrolysis of switchgrass: Experimental study, life cycle assessment, and economic analysis. <i>Journal of Cleaner Production</i> , 2022, 366, 132668.	4.6	33
34	Combined acid pretreatment and co-hydrothermal carbonization to enhance energy recovery from food waste digestate. <i>Energy Conversion and Management</i> , 2022, 266, 115855.	4.4	36
35	Microalgae-based biomaterials for environmental remediation and functional use. , 2022, , 277-290.		0
36	Effects of Culture Conditions on the Performance of <i>Arthrospira platensis</i> and Its Production of Exopolysaccharides. <i>Foods</i> , 2022, 11, 2020.	1.9	13

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37	Creating values from wastes: Producing biofuels from waste cooking oil via a tandem vapor-phase hydrotreating process. <i>Applied Energy</i> , 2022, 323, 119629.	5.1	14
38	Improvement of phosphate solubilizing bacteria <i>Paenibacillus xylanexedens</i> on the growth of <i>Chlorella pyrenoidosa</i> and wastewater treatment in attached cultivation. <i>Chemosphere</i> , 2022, 306, 135604.	4.2	13
39	Integrated harvest of phenolic monomers and hydrogen through catalytic pyrolysis of biomass over nanocellulose derived biochar catalyst. <i>Bioresource Technology</i> , 2021, 320, 124352.	4.8	41
40	Anaerobic digestion wastewater decolorization by H ₂ O ₂ -enhanced electro-Fenton coagulation following nutrients recovery via acid tolerant and protein-rich <i>Chlorella</i> production. <i>Chemical Engineering Journal</i> , 2021, 406, 127160.	6.6	28
41	Review on the catalytic pyrolysis of waste oil for the production of renewable hydrocarbon fuels. <i>Fuel</i> , 2021, 283, 119170.	3.4	58
42	Study on the mechanism of co-catalyzed pyrolysis of biomass by potassium and calcium. <i>Bioresource Technology</i> , 2021, 320, 124415.	4.8	19
43	Oligosaccharide preparation from microwave-ethanol pretreated <i>Camellia oleifera</i> seed shell by enzymolysis of <i>Agroclybe aegerita</i> . <i>Industrial Crops and Products</i> , 2021, 161, 113155.	2.5	12
44	Effects of intense pulsed light and gamma irradiation on <i>Bacillus cereus</i> spores in mesquite pod flour. <i>Food Chemistry</i> , 2021, 344, 128675.	4.2	12
45	Treatment and nutrient recovery from acetophenone based wastewater by an integrated catalytic intense pulsed light and <i>Tribonema</i> sp. cultivation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 160, 108276.	1.8	3
46	Interaction of <i>Chlorella vulgaris</i> and bacteria when co-cultivated in anaerobically digested swine manure. <i>Bioresource Technology</i> , 2021, 320, 124250.	4.8	17
47	Qualitative and relative distribution of Pb ²⁺ adsorption mechanisms by biochars produced from a fluidized bed pyrolysis system under mild air oxidization conditions. <i>Journal of Molecular Liquids</i> , 2021, 323, 114600.	2.3	15
48	Evolution of membrane fouling and cleaning strategy development in municipal wastewater reclamation by nanofiltration. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1967-1978.	1.2	3
49	Rapid and nondestructive determination of qualities in vacuum-packaged catfish (<i>Clarias leather</i>) fillets during slurry ice storage. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15262.	0.9	4
50	The Formation of Chitosan-Coated Rhamnolipid Liposomes Containing Curcumin: Stability and In Vitro Digestion. <i>Molecules</i> , 2021, 26, 560.	1.7	20
51	Identification of Quinone Degradation as a Triggering Event for Intense Pulsed Light-Elicited Metabolic Changes in <i>Escherichia coli</i> by Metabolomic Fingerprinting. <i>Metabolites</i> , 2021, 11, 102.	1.3	6
52	Heterotrophic cultivation of <i>Chlorella vulgaris</i> using broken rice hydrolysate as carbon source for biomass and pigment production. <i>Bioresource Technology</i> , 2021, 323, 124607.	4.8	15
53	Study on thermochemical characteristics properties and pyrolysis kinetics of the mixtures of waste corn stalk and pyrolusite. <i>Bioresource Technology</i> , 2021, 324, 124660.	4.8	36
54	Carboxymethyl chitosan-pullulan edible films enriched with galangal essential oil: Characterization and application in mango preservation. <i>Carbohydrate Polymers</i> , 2021, 256, 117579.	5.1	129

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55	Applications of calcium oxide-based catalysts in biomass pyrolysis/gasification – A review. <i>Journal of Cleaner Production</i> , 2021, 291, 125826.	4.6	80
56	Identification of quinone degradation as a triggering event in intense pulsed light-elicited metabolic disruption in <i>Escherichia coli</i> through metabolomic characterization. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
57	Fabrication of Caseinate Stabilized Thymol Nanosuspensions via the pH-Driven Method: Enhancement in Water Solubility of Thymol. <i>Foods</i> , 2021, 10, 1074.	1.9	24
58	Enhancement of nutrients removal and biomass accumulation of <i>Chlorella vulgaris</i> in pig manure anaerobic digestate effluent by the pretreatment of indigenous bacteria. <i>Bioresource Technology</i> , 2021, 328, 124846.	4.8	42
59	Catalytic fast pyrolysis of low density polyethylene into naphtha with high selectivity by dual-catalyst tandem catalysis. <i>Science of the Total Environment</i> , 2021, 771, 144995.	3.9	35
60	Double-Edged Metabolic Effects from Short-Term Feeding of Functionalized Wheat Bran to Mouse Revealed by Metabolomic Profiling. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6543-6555.	2.4	2
61	Effect of acclimatized paddy soil microorganisms using swine wastewater on degradation of rice straw. <i>Bioresource Technology</i> , 2021, 332, 125039.	4.8	22
62	Effect of chlortetracycline on the growth and intracellular components of <i>Spirulina platensis</i> and its biodegradation pathway. <i>Journal of Hazardous Materials</i> , 2021, 413, 125310.	6.5	53
63	Modeling and improving arrayed microalgal biofilm attached culture system. <i>Bioresource Technology</i> , 2021, 331, 124931.	4.8	4
64	Heterogeneous Diels-Alder tandem catalysis for converting cellulose and polyethylene into BTX. <i>Journal of Hazardous Materials</i> , 2021, 414, 125418.	6.5	30
65	Biomass enhances the reduction of oxidized pellets with carbon monoxide. <i>Bioresource Technology</i> , 2021, 331, 124973.	4.8	5
66	Production of renewable phenols from corn cob using catalytic pyrolysis over self-derived activated carbons prepared with torrefaction pretreatment and chemical activation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 623, 126507.	2.3	7
67	Catalytic degradation of waste rubbers and plastics over zeolites to produce aromatic hydrocarbons. <i>Journal of Cleaner Production</i> , 2021, 309, 127469.	4.6	35
68	Biochar-driven simplification of the compositions of cellulose-pyrolysis-derived biocrude oil coupled with the promotion of hydrogen generation. <i>Bioresource Technology</i> , 2021, 334, 125251.	4.8	17
69	Comparative study of continuous-stirred and batch microwave pyrolysis of linear low-density polyethylene in the presence/absence of HZSM-5. <i>Energy</i> , 2021, 228, 120612.	4.5	35
70	Catalytic pyrolysis of plastic wastes in a continuous microwave assisted pyrolysis system for fuel production. <i>Chemical Engineering Journal</i> , 2021, 418, 129412.	6.6	148
71	Integrating continuous-stirred microwave pyrolysis with ex-situ catalytic upgrading for linear low-density polyethylene conversion: Effects of parameter conditions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 157, 105213.	2.6	22
72	Chemical upcycling of waste polyolefinic plastics to low-carbon synthetic naphtha for closing the plastic use loop. <i>Science of the Total Environment</i> , 2021, 782, 146897.	3.9	19

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73	The effect of intense pulsed light on the sensory properties of nonfat dry milk. <i>Journal of Food Science</i> , 2021, 86, 4119-4133.	1.5	6
74	Activated carbon from lignocellulosic biomass as catalyst: A review of the applications in fast pyrolysis process. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 105246.	2.6	46
75	Promoting Diels-Alder reactions to produce bio-BTX: Co-aromatization of textile waste and plastic waste over USY zeolite. <i>Journal of Cleaner Production</i> , 2021, 314, 127966.	4.6	21
76	Pretreated rice straw improves the biogas production and heavy metals passivation of pig manure containing copper and zinc. <i>Journal of Cleaner Production</i> , 2021, 315, 128171.	4.6	19
77	The effect of fuzzy PID temperature control on thermal behavior analysis and kinetics study of biomass microwave pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 105176.	2.6	20
78	Improving bio-oil quality from low-density polyethylene pyrolysis: Effects of varying activation and pyrolysis parameters. <i>Energy</i> , 2021, 232, 121090.	4.5	28
79	Microwave-assisted catalytic pyrolysis of corn cobs with Fe-modified <i>Choerospondias axillaris</i> seed-based biochar catalyst for phenol-rich bio-oil. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 159, 105306.	2.6	23
80	Pyrolysis-catalysis for waste polyolefin conversion into low aromatic naphtha. <i>Energy Conversion and Management</i> , 2021, 245, 114578.	4.4	37
81	Review of the effect of polyamines in microalgae when ingested by shellfish. <i>Algal Research</i> , 2021, 58, 102409.	2.4	8
82	Fast hydrothermal co-liquefaction of corn stover and cow manure for biocrude and hydrochar production. <i>Bioresource Technology</i> , 2021, 340, 125630.	4.8	19
83	Pyrolysis of soybean soapstock for hydrocarbon bio-oil over a microwave-responsive catalyst in a series microwave system. <i>Bioresource Technology</i> , 2021, 341, 125800.	4.8	9
84	Comparison of plant feedstocks and methods to recover leaf proteins from wet fractionation of alfalfa for potential use in aquaculture, poultry, and livestock feeds. , 2021, 4, e20184.		4
85	Nutrients recovery from piggery wastewater and starch wastewater via microalgae-bacteria consortia. <i>Algal Research</i> , 2021, 60, 102551.	2.4	27
86	Assessment of Potential Nitrite Safety Risk of Leafy Vegetables after Domestic Cooking. <i>Foods</i> , 2021, 10, 2953.	1.9	5
87	Evolution of drying kinetics and properties of pyrolusite during microwave heating. <i>Drying Technology</i> , 2020, 38, 952-962.	1.7	1
88	The influence of microalgae on vegetable production and nutrient removal in greenhouse hydroponics. <i>Journal of Cleaner Production</i> , 2020, 243, 118563.	4.6	42
89	Development of biochar-based nanocatalysts for tar cracking/reforming during biomass pyrolysis and gasification. <i>Bioresource Technology</i> , 2020, 298, 122263.	4.8	116
90	Dielectric properties and thermal behavior of electrolytic manganese anode mud in microwave field. <i>Journal of Hazardous Materials</i> , 2020, 384, 121227.	6.5	61

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91	Packed food and packaging materials disinfected by cold plasma. , 2020, , 269-286.		9
92	Coupling of biochar-mediated absorption and algal-bacterial system to enhance nutrients recovery from swine wastewater. Science of the Total Environment, 2020, 701, 134935.	3.9	36
93	Converting polycarbonate and polystyrene plastic wastes into aromatic hydrocarbons via catalytic fast co-pyrolysis. Journal of Hazardous Materials, 2020, 386, 121970.	6.5	45
94	Effects of temperature and inoculation ratio on methane production and nutrient solubility of swine manure anaerobic digestion. Bioresource Technology, 2020, 299, 122552.	4.8	23
95	Cobalt enrichment enhances the tolerance of <i>Botryococcus braunii</i> to high concentration of CO ₂ . Bioresource Technology, 2020, 297, 122385.	4.8	6
96	Feasibility of using pretreated swine wastewater for production of water spinach (<i>Ipomoea aquatic</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	12
97	<i>Tribonema</i> sp. and <i>Chlorella zofingiensis</i> co-culture to treat swine wastewater diluted with fishery wastewater to facilitate harvest. Bioresource Technology, 2020, 297, 122516.	4.8	43
98	Microwave-assisted catalytic upgrading of co-pyrolysis vapor using HZSM-5 and MCM-41 for bio-oil production: Co-feeding of soapstock and straw in a downdraft reactor. Bioresource Technology, 2020, 299, 122611.	4.8	30
99	Converting floating scum from municipal wastewater treatment plants to biodiesel fuel. , 2020, , 309-325.		1
100	Microwave-assisted pyrolysis of formic acid pretreated bamboo sawdust for bio-oil production. Environmental Research, 2020, 182, 108988.	3.7	36
101	Insight into the interaction between arabinoxylan and imidazolium acetate-based ionic liquids. Carbohydrate Polymers, 2020, 231, 115699.	5.1	12
102	Co-culture of <i>Chlorella</i> and wastewater-borne bacteria in vinegar production wastewater: Enhancement of nutrients removal and influence of algal biomass generation. Algal Research, 2020, 45, 101744.	2.4	61
103	Pilot-scale study on enhanced carbothermal reduction of low-grade pyrolusite using microwave heating. Powder Technology, 2020, 360, 846-854.	2.1	72
104	Non-thermal atmospheric plasma synthesis of ammonia in a DBD reactor packed with various catalysts. Journal Physics D: Applied Physics, 2020, 53, 064002.	1.3	23
105	Influence of torrefaction pretreatment on corncobs: A study on fundamental characteristics, thermal behavior, and kinetic. Bioresource Technology, 2020, 297, 122490.	4.8	74
106	Fast microwave-assisted pyrolysis of wastes for biofuels production " A review. Bioresource Technology, 2020, 297, 122480.	4.8	137
107	Effect of microalgae diet and culture system on the rearing of bivalve mollusks: Nutritional properties and potential cost improvements. Algal Research, 2020, 51, 102076.	2.4	34
108	Study on the bio-oil characterization and heavy metals distribution during the aqueous phase recycling in the hydrothermal liquefaction of As-enriched <i>Pteris vittata</i> L.. Bioresource Technology, 2020, 317, 124031.	4.8	25

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109	Screening of the dominant <i>Chlorella pyrenoidosa</i> for biofilm attached culture and feed production while treating swine wastewater. <i>Bioresource Technology</i> , 2020, 318, 124054.	4.8	40
110	Physicochemical and emulsifying properties of orange fibers stabilized oil-in-water emulsions. <i>LWT - Food Science and Technology</i> , 2020, 133, 110054.	2.5	19
111	A review on selective production of value-added chemicals via catalytic pyrolysis of lignocellulosic biomass. <i>Science of the Total Environment</i> , 2020, 749, 142386.	3.9	145
112	Biocomposites from Organic Solid Wastes Derived Biochars: A Review. <i>Materials</i> , 2020, 13, 3923.	1.3	21
113	Synthesis of iron nanoparticles-based hydrochar catalyst for ex-situ catalytic microwave-assisted pyrolysis of lignocellulosic biomass to renewable phenols. <i>Fuel</i> , 2020, 279, 118532.	3.4	40
114	Ex-situ catalytic fast pyrolysis of soapstock for aromatic oil over microwave-driven HZSM-5@SiC ceramic foam. <i>Chemical Engineering Journal</i> , 2020, 402, 126239.	6.6	52
115	Pyrolysis, combustion and gasification of biomass (PCGB-2020). <i>Bioresource Technology</i> , 2020, 313, 123803.	4.8	5
116	Catalytic pyrolysis of rain tree biomass with nano nickel oxide synthesized from nickel plating slag: A green path for treating waste by waste. <i>Bioresource Technology</i> , 2020, 315, 123831.	4.8	30
117	Gasification and pyrolysis of waste. , 2020, , 263-297.		0
118	Pine sawdust as algal biofilm biocarrier for wastewater treatment and algae-based byproducts production. <i>Journal of Cleaner Production</i> , 2020, 256, 120449.	4.6	30
119	Development of integrated culture systems and harvesting methods for improved algal biomass productivity and wastewater resource recovery – A review. <i>Science of the Total Environment</i> , 2020, 746, 141039.	3.9	36
120	Production of renewable jet fuel and gasoline range hydrocarbons from catalytic pyrolysis of soapstock over corn cob-derived activated carbons. <i>Energy</i> , 2020, 209, 118454.	4.5	32
121	Catalytic ketonization of levoglucosan over nano-CeO ₂ for production of hydrocarbon precursors. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 152, 104973.	2.6	14
122	New progress of ammonia recovery during ammonia nitrogen removal from various wastewaters. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 144.	1.7	78
123	Conversion of soybean soapstock into hydrocarbon fuel by microwave-assisted catalytic fast pyrolysis using MCM-41/HZSM-5 in a downdraft reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 156, 108109.	1.8	8
124	Applications of microwave energy in gas production and tar removal during biomass gasification. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5927-5946.	2.5	23
125	A novel production of phase-divided jet-fuel-range hydrocarbons and phenol-enriched chemicals from catalytic co-pyrolysis of lignocellulosic biomass with low-density polyethylene over carbon catalysts. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3687-3700.	2.5	20
126	Characteristics of the catalytic fast pyrolysis of vegetable oil soapstock for hydrocarbon-rich fuel. <i>Energy Conversion and Management</i> , 2020, 213, 112860.	4.4	42

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127	Effect of lime mud on the reaction kinetics and thermodynamics of biomass pyrolysis. <i>Bioresource Technology</i> , 2020, 310, 123475.	4.8	30
128	Post treatment of swine anaerobic effluent by weak electric field following intermittent vacuum assisted adjustment of N:P ratio for oil-rich filamentous microalgae production. <i>Bioresource Technology</i> , 2020, 314, 123718.	4.8	24
129	Promoting Aromatic Hydrocarbon Formation via Catalytic Pyrolysis of Polycarbonate Wastes over Fe- and Ce-Loaded Aluminum Oxide Catalysts. <i>Environmental Science & Technology</i> , 2020, 54, 8390-8400.	4.6	39
130	2018 Conference of Food Engineering Special Issue. <i>Journal of Food Process Engineering</i> , 2020, 43, e13412.	1.5	0
131	Synthesis of graphene-like carbon from biomass pyrolysis and its applications. <i>Chemical Engineering Journal</i> , 2020, 399, 125808.	6.6	128
132	Chemical composition and evaluation of antioxidant activities, antimicrobial, and anti-melanogenesis effect of the essential oils extracted from <i>Dalbergia pinnata</i> (Lour.) Prain. <i>Journal of Ethnopharmacology</i> , 2020, 254, 112731.	2.0	18
133	Catalytic intense pulse light inactivation of <i>Cronobacter sakazakii</i> and other pathogens in non-fat dry milk and wheat flour. <i>Food Chemistry</i> , 2020, 332, 127420.	4.2	17
134	Syngas production from biomass pyrolysis in a continuous microwave assisted pyrolysis system. <i>Bioresource Technology</i> , 2020, 314, 123756.	4.8	69
135	Enhanced BTEX formation via catalytic fast pyrolysis of styrene-butadiene rubber: Comparison of different catalysts. <i>Fuel</i> , 2020, 278, 118322.	3.4	21
136	Contribution of glycerol addition and algal-bacterial cooperation to nutrients recovery: a study on the mechanisms of microalgae-based wastewater remediation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1717-1728.	1.6	10
137	Microwave-assisted pyrolysis of waste cooking oil for hydrocarbon bio-oil over metal oxides and HZSM-5 catalysts. <i>Energy Conversion and Management</i> , 2020, 220, 113124.	4.4	49
138	Application of highly stable biochar catalysts for efficient pyrolysis of plastics: a readily accessible potential solution to a global waste crisis. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4614-4624.	2.5	48
139	Microwave assisted flocculation for harvesting of <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2020, 314, 123770.	4.8	6
140	Effects of microwave heating on the protein structure, digestion properties and Maillard products of gluten. <i>Journal of Food Science and Technology</i> , 2020, 57, 2139-2149.	1.4	51
141	Magnetic field intervention on growth of the filamentous microalgae <i>Tribonema</i> sp. in starch wastewater for algal biomass production and nutrients removal: Influence of ambient temperature and operational strategy. <i>Bioresource Technology</i> , 2020, 303, 122884.	4.8	38
142	Aromatics production from fast co-pyrolysis of lignin and waste cooking oil catalyzed by HZSM-5 zeolite. <i>Applied Energy</i> , 2020, 263, 114629.	5.1	72
143	A nitrogen dynamic hydroponic culture on performance and quality of water spinach (<i>Ipomoea</i>) Tj ETQq1 1 0.784314 rgBT ₄ /Overlock 0.9		
144	Integrating pyrolysis and ex-situ catalytic reforming by microwave heating to produce hydrocarbon-rich bio-oil from soybean soapstock. <i>Bioresource Technology</i> , 2020, 302, 122843.	4.8	21

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145	Role of surface roughness in the algal short-term cell adhesion and long-term biofilm cultivation under dynamic flow condition. <i>Algal Research</i> , 2020, 46, 101787.	2.4	28
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