

Shuyu Xiang

List of Publications by Year in descending order

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26
papers

1,068
citations

430442

18
h-index

552369

26
g-index

26
all docs

26
docs citations

26
times ranked

1248
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Comparative study on microwave and conventional hydrothermal pretreatment of bamboo sawdust: Hydrochar properties and its pyrolysis behaviors. <i>Energy Conversion and Management</i> , 2017, 146, 1-7.	4.4	133
3	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
4	Nutrient removal from digested swine wastewater by combining ammonia stripping with struvite precipitation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6725-6734.	2.7	61
5	Characterization of additional zinc ions on the growth, biochemical composition and photosynthetic performance from <i>Spirulina platensis</i> . <i>Bioresource Technology</i> , 2018, 269, 285-291.	4.8	59
6	Microwave-assisted catalytic fast pyrolysis coupled with microwave-absorbent of soapstock for bio-oil in a downdraft reactor. <i>Energy Conversion and Management</i> , 2019, 185, 11-20.	4.4	55
7	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
8	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
9	Catalytic co-pyrolysis of waste vegetable oil and high density polyethylene for hydrocarbon fuel production. <i>Waste Management</i> , 2017, 61, 276-282.	3.7	49
10	Bioactive peptides derived from traditional Chinese medicine and traditional Chinese food: A review. <i>Food Research International</i> , 2016, 89, 63-73.	2.9	43
11	Fast microwave-assisted catalytic co-pyrolysis of straw stalk and soapstock for bio-oil production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 35-41.	2.6	40
12	Microwave-assisted catalytic fast co-pyrolysis of soapstock and waste tire for bio-oil production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 304-309.	2.6	39
13	Bridging the relationship between hydrothermal pretreatment and co-pyrolysis: Effect of hydrothermal pretreatment on aromatic production. <i>Energy Conversion and Management</i> , 2019, 180, 36-43.	4.4	39
14	Microwave-assisted catalytic co-pyrolysis of soybean straw and soapstock for bio-oil production using SiC ceramic foam catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 133, 76-81.	2.6	34
15	Preparation and characteristics of bentonite-zeolite adsorbent and its application in swine wastewater. <i>Bioresource Technology</i> , 2019, 284, 448-455.	4.8	26
16	Co-pyrolysis of wet torrefied bamboo sawdust and soapstock. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 132, 211-216.	2.6	23
17	Catalytic co-pyrolysis of <i>Alternanthera philoxeroides</i> and peanut soapstock via a new continuous fast microwave pyrolysis system. <i>Waste Management</i> , 2019, 88, 102-109.	3.7	23
18	Evaluation of ammonia recovery from swine wastewater via a innovative spraying technology. <i>Bioresource Technology</i> , 2019, 272, 235-240.	4.8	21

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19	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
20	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
21	Effect of unsaturation degree on microwave-assisted pyrolysis of fatty acid salts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 247-251.	2.6	15
22	Feasibility of using pretreated swine wastewater for production of water spinach (<i>Ipomoea aquatica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	12
23	Bamboo biochar-catalytic degradation of lignin under microwave heating. <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 190-199.	0.9	12
24	Cultivation of <i>Chlorella vulgaris</i> in a Light-Receiving-Plate (LRP)-Enhanced Raceway Pond for Ammonium and Phosphorus Removal from Pretreated Pig Urine. <i>Energies</i> , 2020, 13, 1644.	1.6	10
25	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
26	A nitrogen dynamic hydroponic culture on performance and quality of water spinach (<i>Ipomoea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	4