

Chuanfu Wu

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,770
citations

361413

20
h-index

289244

40
g-index

57
all docs

57
docs citations

57
times ranked

1602
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on food waste anaerobic digestion: Research updates and tendencies. <i>Bioresource Technology</i> , 2018, 247, 1069-1076.	9.6	432
2	Lignocellulosic biomass for bioethanol: an overview on pretreatment, hydrolysis and fermentation processes. <i>Reviews on Environmental Health</i> , 2019, 34, 57-68.	2.4	102
3	Catalytic performance and deactivation mechanism of a one-step sulfonated carbon-based solid-acid catalyst in an esterification reaction. <i>Renewable Energy</i> , 2021, 164, 824-832.	8.9	76
4	Remediation of wastewater contaminated by antibiotics. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 345-360.	16.2	73
5	Effect of ethanol pre-fermentation and inoculum-to-substrate ratio on methane yield from food waste and distillers'™ grains. <i>Applied Energy</i> , 2015, 155, 846-853.	10.1	69
6	Effects of digestate recirculation on a two-stage anaerobic digestion system, particularly focusing on metabolite correlation analysis. <i>Bioresource Technology</i> , 2018, 251, 40-48.	9.6	67
7	Production of butanol from biomass: recent advances and future prospects. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20164-20182.	5.3	60
8	Effect of ethanol pre-fermentation on organic load rate and stability of semi-continuous anaerobic digestion of food waste. <i>Bioresource Technology</i> , 2020, 299, 122587.	9.6	59
9	A review of root exudates and rhizosphere microbiome for crop production. <i>Environmental Science and Pollution Research</i> , 2021, 28, 54497-54510.	5.3	52
10	Ethanol prefermentation of food waste in sequencing batch methane fermentation for improved buffering capacity and microbial community analysis. <i>Bioresource Technology</i> , 2018, 248, 187-193.	9.6	43
11	Recent advances in the separation and purification of lactic acid from fermentation broth. <i>Process Biochemistry</i> , 2021, 104, 142-151.	3.7	38
12	Heavy metal leaching behaviour and long-term environmental risk assessment of cement-solidified municipal solid waste incineration fly ash in sanitary landfill. <i>Chemosphere</i> , 2022, 300, 134571.	8.2	37
13	The effect of different types of microbubbles on the performance of the coagulation flotation process for coke waste-water. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 206-215.	3.2	36
14	Advanced treatment of wet-spun acrylic fiber manufacturing wastewater using three-dimensional electrochemical oxidation. <i>Journal of Environmental Sciences</i> , 2016, 50, 21-31.	6.1	36
15	Effect of co-digestion of tylosin fermentation dreg and food waste on anaerobic digestion performance. <i>Bioresource Technology</i> , 2021, 325, 124693.	9.6	34
16	Biodrying of biogas residue through a thermophilic bacterial agent inoculation: Insights into dewatering contribution and microbial mechanism. <i>Bioresource Technology</i> , 2022, 355, 127256.	9.6	27
17	Influence of aeration modes on leachate characteristic of landfills that adopt the aerobic-anaerobic landfill method. <i>Waste Management</i> , 2014, 34, 101-111.	7.4	25
18	Synergistic effect from anaerobic co-digestion of food waste and <i>Sophora flavescens</i> residues at different co-substrate ratios. <i>Environmental Science and Pollution Research</i> , 2019, 26, 37114-37124.	5.3	25

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19	Chloride removal from municipal solid waste incineration fly ash using lactic acid fermentation broth. <i>Waste Management</i> , 2021, 130, 23-29.	7.4	23
20	Enhanced Productions and Recoveries of Ethanol and Methane from Food Waste by a Three-Stage Process. <i>Energy & Fuels</i> , 2015, 29, 6494-6500.	5.1	22
21	Comparative study on inorganic Cl removal of municipal solid waste fly ash using different types and concentrations of organic acids. <i>Chemosphere</i> , 2020, 261, 127754.	8.2	20
22	Adding activated carbon to the system with added zero-valent iron further improves anaerobic digestion performance by alleviating ammonia inhibition and promoting DIET. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106616.	6.7	20
23	Effect of aeration modes on the characteristics of composting emissions and the NH ₃ removal efficiency by using biotrickling filter. <i>Waste Management</i> , 2011, 31, 1702-1710.	7.4	19
24	Comparison of denitrification performances using PLA/starch with different mass ratios as carbon source. <i>Water Science and Technology</i> , 2015, 71, 1019-1025.	2.5	19
25	Stimulation of waste decomposition in an old landfill by air injection. <i>Bioresource Technology</i> , 2016, 222, 66-74.	9.6	19
26	Kinetic modelling and synergistic impact evaluation for the anaerobic co-digestion of distillers'™ grains and food waste by ethanol pre-fermentation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30281-30291.	5.3	19
27	Methane production from food waste via mesophilic anaerobic digestion with ethanol pre-fermentation: Methanogenic pathway and microbial community analyses. <i>Bioresource Technology</i> , 2020, 297, 122450.	9.6	18
28	Effect of yeast addition on the biogas production performance of a food waste anaerobic digestion system. <i>Royal Society Open Science</i> , 2020, 7, 200443.	2.4	18
29	Effect of zero-valent iron addition on the biogas fermentation of food waste after anaerobic preservation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106013.	6.7	18
30	Semi-continuous mesophilic-thermophilic two-phase anaerobic co-digestion of food waste and spent mushroom substance: Methanogenic performance, microbial, and metagenomic analysis. <i>Bioresource Technology</i> , 2022, 360, 127518.	9.6	18
31	Lactic acid production from <i>Sophora flavescens</i> residues pretreated with sodium hydroxide: Reutilization of the pretreated liquor during fermentation. <i>Bioresource Technology</i> , 2017, 241, 915-921.	9.6	17
32	A study towards minimising tylosin concentration and antibiotic resistance genes in tylosin fermentation dreg fertilizer. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104372.	6.7	16
33	Effect of liquid digestate recirculation on the ethanol-type two-phase semi-continuous anaerobic digestion system of food waste. <i>Bioresource Technology</i> , 2020, 313, 123534.	9.6	16
34	Pilot-scale experiments on multilevel contact oxidation treatment of poultry farm wastewater using saran lock carriers under different operation model. <i>Journal of Environmental Sciences</i> , 2019, 77, 336-345.	6.1	14
35	Phenol removal via activated carbon from co-pyrolysis of waste coal tar pitch and vinasse. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 64-71.	2.7	14
36	Responses of ammonia-oxidizing bacteria community composition to temporal changes in physicochemical parameters during food waste composting. <i>RSC Advances</i> , 2016, 6, 9541-9548.	3.6	13

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37	Re-using ammonium-rich wastewater as a moisture conditioning agent during composting thermophilic period improves composting performance. <i>Bioresource Technology</i> , 2021, 332, 125084.	9.6	13
38	Kinetics of nitrous oxide production by denitrification in municipal solid waste. <i>Chemosphere</i> , 2015, 125, 64-69.	8.2	12
39	Effective utilisation of trickling liquid discharged from a bio-trickling filter as a moisture conditioning agent for composting. <i>Biosystems Engineering</i> , 2015, 129, 378-387.	4.3	12
40	Microbial lipid production from food waste saccharified liquid under two-stage process. <i>Bioresource Technology</i> , 2019, 289, 121626.	9.6	12
41	Carbon release behaviour of polylactic acid/starch-based solid carbon and its influence on biodenitrification. <i>Biochemical Engineering Journal</i> , 2020, 155, 107468.	3.6	11
42	Wastewater-nitrogen removal using polylactic acid/starch as carbon source: Optimization of operating parameters using response surface methodology. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	6.0	9
43	Stimulation of methane yield rate from food waste by aerobic pre-treatment. <i>Bioresource Technology</i> , 2018, 261, 279-287.	9.6	9
44	A newly isolated strain, <i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> 2, produces l-lactic acid from pilot-scale fermentation of food waste under sterile and nonsterile conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 3193-3201.	3.2	9
45	Microbial lipid production from banana straw hydrolysate and ethanol stillage. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29357-29368.	5.3	9
46	Research trend analysis of composting based on Web of Science database. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59528-59541.	5.3	8
47	Dechlorination of Municipal Solid Waste Incineration Fly Ash by Leaching with Fermentation Liquid of Food Waste. <i>Sustainability</i> , 2020, 12, 4389.	3.2	7
48	Metabolic analysis of efficient methane production from food waste with ethanol pre-fermentation using carbon isotope labeling. <i>Bioresource Technology</i> , 2019, 291, 121849.	9.6	6
49	Dechlorination of fly ash by hydrolysate of municipal solid waste leachate. <i>RSC Advances</i> , 2020, 10, 26397-26406.	3.6	6
50	Preliminary determination of antibacterial substances during anaerobic preservation of food waste and their effects on methanogenesis. <i>Environmental Technology and Innovation</i> , 2021, 24, 101813.	6.1	6
51	Mesophilic condition is more conducive to methane production yield and tylosin removal on tylosin fermentation dreg anaerobic digestion. <i>Bioresource Technology</i> , 2021, 341, 125806.	9.6	6
52	Estimation and prediction of the generation of waste organic solvents in China. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1094-1102.	3.0	5
53	Composting—a solution of eliminating a nitrite-rich wastewater by reusing it as a moisture conditioning agent. <i>Chemosphere</i> , 2021, 284, 131365.	8.2	5
54	Biological Nitrogen Removal Using the Supernatant of Ozonized Sludge as Extra Carbon Source. <i>Ozone: Science and Engineering</i> , 2011, 33, 410-416.	2.5	4

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55	Enhancement of Food Waste Thermophilic Anaerobic Digestion with Supplementing Spent Mushroom Substrate: Synergistic Effect and Stability. <i>Waste and Biomass Valorization</i> , 2022, 13, 2881-2888.	3.4	3
56	Removal of heavy metals in municipal solid waste incineration fly ash using lactic acid fermentation broth. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62716-62725.	5.3	2
57	Nitrate-rich wastewater discharged from a bio-trickling filter can be reused as a moisture conditioning agent for organic waste composting. <i>Environmental Technology and Innovation</i> , 2021, 24, 101932.	6.1	2