Chuanfu Wu

List of Publications by Year
in descending order

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	Enhancement of Food Waste Thermophilic Anaerobic Digestion with Supplementing Spent Mushroom Substrate: Synergistic Effect and Stability. Waste and Biomass Valorization, 2022, 13, 2881-2888.	3.4	3
2	Heavy metal leaching behaviour and long-term environmental risk assessment of cement-solidified municipal solid waste incineration fly ash in sanitary landfill. Chemosphere, 2022, 300, 134571.	8.2	37
3	Biodrying of biogas residue through a thermophilic bacterial agent inoculation: Insights into dewatering contribution and microbial mechanism. Bioresource Technology, 2022, 355, 127256.	9.6	27
4	Semi-continuous mesophilic-thermophilic two-phase anaerobic co-digestion of food waste and spent mushroom substance: Methanogenic performance, microbial, and metagenomic analysis. Bioresource Technology, 2022, 360, 127518.	9.6	18
5	Microbial lipid production from banana straw hydrolysate and ethanol stillage. Environmental Science and Pollution Research, 2021, 28, 29357-29368.	5.3	9
6	Catalytic performance and deactivation mechanism of a one-step sulfonated carbon-based solid-acid catalyst in an esterification reaction. Renewable Energy, 2021, 164, 824-832.	8.9	76
7	Effect of co-digestion of tylosin fermentation dreg and food waste on anaerobic digestion performance. Bioresource Technology, 2021, 325, 124693.	9.6	34
8	Recent advances in the separation and purification of lactic acid from fermentation broth. Process Biochemistry, 2021, 104, 142-151.	3.7	38
9	Removal of heavy metals in municipal solid waste incineration fly ash using lactic acid fermentation broth. Environmental Science and Pollution Research, 2021, 28, 62716-62725.	5.3	2
10	Chloride removal from municipal solid waste incineration fly ash using lactic acid fermentation broth. Waste Management, 2021, 130, 23-29.	7.4	23
11	Re-using ammonium-rich wastewater as a moisture conditioning agent during composting thermophilic period improves composting performance. Bioresource Technology, 2021, 332, 125084.	9.6	13
12	A review of root exudates and rhizosphere microbiome for crop production. Environmental Science and Pollution Research, 2021, 28, 54497-54510.	5.3	52
13	Research trend analysis of composting based on Web of Science database. Environmental Science and Pollution Research, 2021, 28, 59528-59541.	5.3	8
14	Effect of zero-valent iron addition on the biogas fermentation of food waste after anaerobic preservation. Journal of Environmental Chemical Engineering, 2021, 9, 106013.	6.7	18
15	Preliminary determination of antibacterial substances during anaerobic preservation of food waste and their effects on methanogenesis. Environmental Technology and Innovation, 2021, 24, 101813.	6.1	6
16	Nitrate-rich wastewater discharged from a bio-trickling filter can be reused as a moisture conditioning agent for organic waste composting. Environmental Technology and Innovation, 2021, 24, 101932.	6.1	2
17	Mesophilic condition is more conducive to methane production yield and tylosin removal on tylosin fermentation dreg anaerobic digestion. Bioresource Technology, 2021, 341, 125806.	9.6	6
18	Compostingâ€“a solution of eliminating a nitrite-rich wastewater by reusing it as a moisture conditioning agent. Chemosphere, 2021, 284, 131365.	8.2	5

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19	Phenol removal via activated carbon from co-pyrolysis of waste coal tar pitch and vinasse. Korean Journal of Chemical Engineering, 2021, 38, 64-71.	2.7	14
20	Adding activated carbon to the system with added zero-valent iron further improves anaerobic digestion performance by alleviating ammonia inhibition and promoting DIET. Journal of Environmental Chemical Engineering, 2021, 9, 106616.	6.7	20
21	Effect of ethanol pre-fermentation on organic load rate and stability of semi-continuous anaerobic digestion of food waste. Bioresource Technology, 2020, 299, 122587.	9.6	59
22	Methane production from food waste via mesophilic anaerobic digestion with ethanol pre-fermentation: Methanogenic pathway and microbial community analyses. Bioresource Technology, 2020, 297, 122450.	9.6	18
23	Carbon release behaviour of polylactic acid/starch-based solid carbon and its influence on biodenitrification. Biochemical Engineering Journal, 2020, 155, 107468.	3.6	11
24	Remediation of wastewater contaminated by antibiotics. AÂreview. Environmental Chemistry Letters, 2020, 18, 345-360.	16.2	73
25	Effect of yeast addition on the biogas production performance of a food waste anaerobic digestion system. Royal Society Open Science, 2020, 7, 200443.	2.4	18
26	A study towards minimising tylosin concentration and antibiotic resistance genes in tylosin fermentation dreg fertilizer. Journal of Environmental Chemical Engineering, 2020, 8, 104372.	6.7	16
27	Comparative study on inorganic Cl removal of municipal solid waste fly ash using different types and concentrations of organic acids. Chemosphere, 2020, 261, 127754.	8.2	20
28	Dechlorination of fly ash by hydrolysate of municipal solid waste leachate. RSC Advances, 2020, 10, 26397-26406.	3.6	6
29	A newly isolated strain, Lactobacillus paracasei subsp. paracasei 2, produces <scp>l</scp>â€lactic acid from pilotâ€scale fermentation of food waste under sterile and nonsterile conditions. Journal of Chemical Technology and Biotechnology, 2020, 95, 3193-3201.	3.2	9
30	Estimation and prediction of the generation of waste organic solvents in China. Journal of Material Cycles and Waste Management, 2020, 22, 1094-1102.	3.0	5
31	Dechlorination of Municipal Solid Waste Incineration Fly Ash by Leaching with Fermentation Liquid of Food Waste. Sustainability, 2020, 12, 4389.	3.2	7
32	Effect of liquid digestate recirculation on the ethanol-type two-phase semi-continuous anaerobic digestion system of food waste. Bioresource Technology, 2020, 313, 123534.	9.6	16
33	Metabolic analysis of efficient methane production from food waste with ethanol pre-fermentation using carbon isotope labeling. Bioresource Technology, 2019, 291, 121849.	9.6	6
34	Lignocellulosic biomass for bioethanol: an overview on pretreatment, hydrolysis and fermentation processes. Reviews on Environmental Health, 2019, 34, 57-68.	2.4	102
35	Production of butanol from biomass: recent advances and future prospects. Environmental Science and Pollution Research, 2019, 26, 20164-20182.	5.3	60
36	Microbial lipid production from food waste saccharified liquid under two-stage process. Bioresource Technology, 2019, 289, 121626.	9.6	12

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37	Synergistic effect from anaerobic co-digestion of food waste and Sophora flavescens residues at different co-substrate ratios. Environmental Science and Pollution Research, 2019, 26, 37114-37124.	5.3	25
38	Pilot-scale experiments on multilevel contact oxidation treatment of poultry farm wastewater using saran lock carriers under different operation model. Journal of Environmental Sciences, 2019, 77, 336-345.	6.1	14
39	Stimulation of methane yield rate from food waste by aerobic pre-treatment. Bioresource Technology, 2018, 261, 279-287.	9.6	9
40	Ethanol prefermentation of food waste in sequencing batch methane fermentation for improved buffering capacity and microbial community analysis. Bioresource Technology, 2018, 248, 187-193.	9.6	43
41	A comprehensive review on food waste anaerobic digestion: Research updates and tendencies. Bioresource Technology, 2018, 247, 1069-1076.	9.6	432
42	Effects of digestate recirculation on a two-stage anaerobic digestion system, particularly focusing on metabolite correlation analysis. Bioresource Technology, 2018, 251, 40-48.	9.6	67
43	Kinetic modelling and synergistic impact evaluation for the anaerobic co-digestion of distillersâ€™ grains and food waste by ethanol pre-fermentation. Environmental Science and Pollution Research, 2018, 25, 30281-30291.	5.3	19
44	Lactic acid production from Sophora flavescens residues pretreated with sodium hydroxide: Reutilization of the pretreated liquor during fermentation. Bioresource Technology, 2017, 241, 915-921.	9.6	17
45	Advanced treatment of wet-spun acrylic fiber manufacturing wastewater using three-dimensional electrochemical oxidation. Journal of Environmental Sciences, 2016, 50, 21-31.	6.1	36
46	Stimulation of waste decomposition in an old landfill by air injection. Bioresource Technology, 2016, 222, 66-74.	9.6	19
47	Wastewater-nitrogen removal using polylactic acid/starch as carbon source: Optimization of operating parameters using response surface methodology. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	6.0	9
48	Responses of ammonia-oxidizing bacteria community composition to temporal changes in physicochemical parameters during food waste composting. RSC Advances, 2016, 6, 9541-9548.	3.6	13
49	Kinetics of nitrous oxide production by denitrification in municipal solid waste. Chemosphere, 2015, 125, 64-69.	8.2	12
50	Comparison of denitrification performances using PLA/starch with different mass ratios as carbon source. Water Science and Technology, 2015, 71, 1019-1025.	2.5	19
51	Enhanced Productions and Recoveries of Ethanol and Methane from Food Waste by a Three-Stage Process. Energy & Fuels, 2015, 29, 6494-6500.	5.1	22
52	Effect of ethanol pre-fermentation and inoculum-to-substrate ratio on methane yield from food waste and distillersâ€™ grains. Applied Energy, 2015, 155, 846-853.	10.1	69
53	Effective utilisation of trickling liquid discharged from a bio-trickling filter as a moisture conditioning agent for composting. Biosystems Engineering, 2015, 129, 378-387.	4.3	12
54	Influence of aeration modes on leachate characteristic of landfills that adopt the aerobicâ€“anaerobic landfill method. Waste Management, 2014, 34, 101-111.	7.4	25

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55	The effect of different types of microâ€bubbles on the performance of the coagulation flotation process for coke wasteâ€water. Journal of Chemical Technology and Biotechnology, 2012, 87, 206-215.	3.2	36
56	Effect of aeration modes on the characteristics of composting emissions and the NH3 removal efficiency by using biotrickling filter. Waste Management, 2011, 31, 1702-1710.	7.4	19
57	Biological Nitrogen Removal Using the Supernatant of Ozonized Sludge as Extra Carbon Source. Ozone: Science and Engineering, 2011, 33, 410-416.	2.5	4