

Hongtao Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

309
citations

933447

10
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of applying forward osmosis to the simultaneous thickening, digestion, and direct dewatering of waste activated sludge. <i>Bioresource Technology</i> , 2012, 113, 207-213.	9.6	52
2	Effects of magnesium chloride on the anaerobic digestion and the implication on forward osmosis membrane bioreactor for sludge anaerobic digestion. <i>Bioresource Technology</i> , 2018, 268, 700-707.	9.6	33
3	Bisphenol A removal from synthetic municipal wastewater by a bioreactor coupled with either a forward osmotic membrane or a microfiltration membrane unit. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 294-300.	6.0	31
4	Performance of a forward osmotic membrane bioreactor for anaerobic digestion of waste sludge with increasing solid concentration. <i>Journal of Environmental Management</i> , 2019, 246, 239-246.	7.8	31
5	High rejection rate of polysaccharides by microfiltration benefits <i>Christensenella minuta</i> and acetic acid production in an anaerobic membrane bioreactor for sludge fermentation. <i>Bioresource Technology</i> , 2019, 282, 197-201.	9.6	25
6	High salinity slowed organic acid production from acidogenic fermentation of kitchen wastewater by shaping functional bacterial community. <i>Journal of Environmental Management</i> , 2022, 310, 114765.	7.8	25
7	Responses of short-chain fatty acids production to the addition of various biocarriers to sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2020, 304, 122989.	9.6	21
8	Effects of polyethylene glycol on the structure and filtration performance of thin-film PA-Psf composite forward osmosis membranes. <i>Separation Science and Technology</i> , 2016, 51, 862-873.	2.5	20
9	Recovering short-chain fatty acids from waste sludge via biocarriers and microfiltration enhanced anaerobic fermentation. <i>Resources, Conservation and Recycling</i> , 2022, 182, 106342.	10.8	18
10	Modified steel slag for effect prolongation of calcium peroxide: A novel approach to enhancing SCFAs production from sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2020, 309, 123379.	9.6	15
11	Rheology improvement in an osmotic membrane bioreactor for waste sludge anaerobic digestion and the implication on agitation energy consumption. <i>Bioresource Technology</i> , 2020, 295, 122313.	9.6	11
12	Impact of steel slag on the ammonium adsorption by zeolite and a new configuration of zeolite-steel slag substrate for constructed wetlands. <i>Water Science and Technology</i> , 2017, 76, 584-593.	2.5	8
13	Mitigation of salinity buildup in hybrid flow-electrode capacitive deionization-osmotic membrane bioreactor for sludge anaerobic digestion. <i>Chemical Engineering Journal</i> , 2022, 435, 134885.	12.7	6
14	Relationship between feed water quality and membrane performance during the filtration of real secondary effluent. <i>Desalination and Water Treatment</i> , 2012, 50, 34-42.	1.0	4
15	Effects of coupling biofilm on the production of short-chain fatty acids (SCFAs) in sludge anaerobic fermentation. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 725-734.	4.6	3
16	Field assessment of full-scale solar-powered floating biofilm reactors for improving water quality in a micro-polluted river near Lake Taihu. <i>Journal of Cleaner Production</i> , 2021, 312, 127762.	9.3	3
17	Fouling characterization of TFC forward osmosis membrane in a novel dynamic sludge anaerobic digestion reactor. , 0, 107, 10-19.		2
18	Effects of 1-methyl-2-pyrrolidinone (NMP) on polyamide-polysulfone TFC membrane pore morphology and ICP and membrane performance in forward osmosis. <i>Desalination and Water Treatment</i> , 2016, 57, 7637-7649.	1.0	1

#	ARTICLE	IF	CITATIONS
19	Methane production improvement in an osmotic membrane bioreactor for sludge anaerobic digestion: pretreatment optimization and long-term performance. <i>Water Science and Technology</i> , 2022, 85, 2786-2796.	2.5	0