

Gefu Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

590
citations

759233

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h-index

888059

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all docs

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docs citations

17
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulating Anaerobic Degradation of Butyrate via Syntrophomonas wolfei and Geobacter sulfurreducens: Characteristics and Mechanism. <i>Microbial Ecology</i> , 2023, 85, 535-543.	2.8	3
2	Compost-derived indole-3-acetic-acid-producing bacteria and their effects on enhancing the secondary fermentation of a swine manure-corn stalk composting. <i>Chemosphere</i> , 2022, 291, 132750.	8.2	12
3	Elucidation of high removal efficiency of dichlorophen wastewater in anaerobic treatment system with iron/carbon mediator. <i>Journal of Cleaner Production</i> , 2022, 330, 129854.	9.3	12
4	pH and hydraulic retention time regulation for anaerobic fermentation: Focus on volatile fatty acids production/distribution, microbial community succession and interactive correlation. <i>Bioresource Technology</i> , 2022, 347, 126310.	9.6	40
5	Synergetic effect of nano zero-valent iron and activated carbon on high-level ciprofloxacin removal in hydrolysis-acidogenesis of anaerobic digestion. <i>Science of the Total Environment</i> , 2021, 752, 142261.	8.0	34
6	The application status, development and future trend of nano-iron materials in anaerobic digestion system. <i>Chemosphere</i> , 2021, 269, 129389.	8.2	31
7	Novel strategy for enhancing acetic and formic acids generation in acidogenesis of anaerobic digestion via targeted adjusting environmental niches. <i>Water Research</i> , 2021, 193, 116896.	11.3	44
8	Syntrophic butyrate-oxidizing methanogenesis promoted by anthraquinone-2-sulfonate and cysteine: Distinct tendencies towards the enrichment of methanogens and syntrophic fatty-acid oxidizing bacteria. <i>Bioresource Technology</i> , 2021, 332, 125074.	9.6	8
9	Novel insights into the anaerobic digestion of propionate via Syntrophobacter fumaroxidans and Geobacter sulfurreducens: Process and mechanism. <i>Water Research</i> , 2021, 200, 117270.	11.3	31
10	Carbon- and metal-based mediators modulate anaerobic methanogenesis and phenol removal: Focusing on stimulatory and inhibitory mechanism. <i>Journal of Hazardous Materials</i> , 2021, 420, 126615.	12.4	28
11	Process performance and microbial community functional structure in a thermophilic anaerobic baffled reactor coupled with biocatalysed electrolysis. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1535-1545.	2.2	4
12	Anaerobic digestion of sludge filtrate assisted by symbionts of short chain fatty acid-oxidation syntrophs and exoelectrogens: Process performance, methane yield and microbial community. <i>Journal of Hazardous Materials</i> , 2020, 384, 121222.	12.4	5
13	Anaerobic digestion of sludge filtrate using anaerobic baffled reactor assisted by symbionts of short chain fatty acid-oxidation syntrophs and exoelectrogens: Pilot-scale verification. <i>Water Research</i> , 2020, 170, 115329.	11.3	21
14	Novel strategy for relieving acid accumulation by enriching syntrophic associations of syntrophic fatty acid-oxidation bacteria and H ₂ /formate-scavenging methanogens in anaerobic digestion. <i>Bioresource Technology</i> , 2020, 313, 123702.	9.6	41
15	Simultaneous biogas and biogas slurry production from co-digestion of pig manure and corn straw: Performance optimization and microbial community shift. <i>Bioresource Technology</i> , 2019, 282, 37-47.	9.6	99
16	Impact of nano zero valent iron on tetracycline degradation and microbial community succession during anaerobic digestion. <i>Chemical Engineering Journal</i> , 2019, 359, 662-671.	12.7	88
17	Methane production from formate, acetate and H ₂ /CO ₂ ; focusing on kinetics and microbial characterization. <i>Bioresource Technology</i> , 2016, 218, 796-806.	9.6	89