

Ran Mei

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,104
citations

394286

19
h-index

526166

27
g-index

29
all docs

29
docs citations

29
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	Chasing the elusive Euryarchaeota class WSA2: genomes reveal a uniquely fastidious methyl-reducing methanogen. <i>ISME Journal</i> , 2016, 10, 2478-2487.	4.4	239
2	Evaluating digestion efficiency in full-scale anaerobic digesters by identifying active microbial populations through the lens of microbial activity. <i>Scientific Reports</i> , 2016, 6, 34090.	1.6	87
3	Operation-driven heterogeneity and overlooked feed-associated populations in global anaerobic digester microbiome. <i>Water Research</i> , 2017, 124, 77-84.	5.3	82
4	Novel <i>Geobacter</i> species and diverse methanogens contribute to enhanced methane production in media-added methanogenic reactors. <i>Water Research</i> , 2018, 147, 403-412.	5.3	69
5	Metagenomic and Metatranscriptomic Analyses Revealed Uncultured Bacteroidales Populations as the Dominant Proteolytic Amino Acid Degraders in Anaerobic Digesters. <i>Frontiers in Microbiology</i> , 2020, 11, 593006.	1.5	57
6	Catabolism and interactions of uncultured organisms shaped by eco-thermodynamics in methanogenic bioprocesses. <i>Microbiome</i> , 2020, 8, 111.	4.9	48
7	A Single-Granule-Level Approach Reveals Ecological Heterogeneity in an Upflow Anaerobic Sludge Blanket Reactor. <i>PLoS ONE</i> , 2016, 11, e0167788.	1.1	46
8	Machine learning-aided analyses of thousands of draft genomes reveal specific features of activated sludge processes. <i>Microbiome</i> , 2020, 8, 16.	4.9	42
9	Quantifying the contribution of microbial immigration in engineered water systems. <i>Microbiome</i> , 2019, 7, 144.	4.9	41
10	Effects of heat shocks on microbial community structure and microbial activity of a methanogenic enrichment degrading benzoate. <i>Letters in Applied Microbiology</i> , 2016, 63, 356-362.	1.0	40
11	Superior resolution characterisation of microbial diversity in anaerobic digesters using full-length 16S rRNA gene amplicon sequencing. <i>Water Research</i> , 2020, 178, 115815.	5.3	40
12	Nexus of Stochastic and Deterministic Processes on Microbial Community Assembly in Biological Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 1536.	1.5	37
13	Thermodynamically diverse syntrophic aromatic compound catabolism. <i>Environmental Microbiology</i> , 2017, 19, 4576-4586.	1.8	32
14	<i>Ottowia shaoguanensis</i> sp. nov., Isolated From Coking Wastewater. <i>Current Microbiology</i> , 2014, 68, 324-329.	1.0	28
15	Microbial Community Analysis of Anaerobic Reactors Treating Soft Drink Wastewater. <i>PLoS ONE</i> , 2015, 10, e0119131.	1.1	27
16	Coupling growth kinetics modeling with machine learning reveals microbial immigration impacts and identifies key environmental parameters in a biological wastewater treatment process. <i>Microbiome</i> , 2019, 7, 65.	4.9	27
17	<i>Paradevosia shaoguanensis</i> gen. nov., sp. nov., Isolated from a Coking Wastewater. <i>Current Microbiology</i> , 2015, 70, 110-118.	1.0	23
18	<i>Defluviimonas alba</i> sp. nov., isolated from an oilfield. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1805-1811.	0.8	23

#	ARTICLE	IF	CITATIONS
19	Microbial community composition and diversity in rice straw digestion bioreactors with and without dairy manure. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8599-8612.	1.7	23
20	Co-occurrence network analysis reveals thermodynamics-driven microbial interactions in methanogenic bioreactors. <i>Environmental Microbiology Reports</i> , 2018, 10, 673-685.	1.0	22
21	<i>Nitratireductor shengliensis</i> sp. nov., Isolated from an Oil-Polluted Saline Soil. <i>Current Microbiology</i> , 2014, 69, 561-566.	1.0	18
22	<i>Glycocalis alkaliphilus</i> sp. nov., a dimorphic prosthecate bacterium isolated from crude oil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 838-844.	0.8	17
23	Ecogenomics-Based Mass Balance Model Reveals the Effects of Fermentation Conditions on Microbial Activity. <i>Frontiers in Microbiology</i> , 2020, 11, 595036.	1.5	8
24	Identifying anaerobic amino acids degraders through the comparison of short-term and long-term enrichments. <i>Environmental Microbiology Reports</i> , 2020, 12, 173-184.	1.0	8
25	Molecular microbial ecology of stable versus failing rice straw anaerobic digesters. <i>Microbial Biotechnology</i> , 2019, 12, 879-891.	2.0	7
26	Bacterial enrichment in highly-selective acetate-fed bioreactors and its application in rapid biofilm formation. <i>Water Research</i> , 2020, 170, 115359.	5.3	5
27	Microbial Community Involved in Anaerobic Purified Terephthalic Acid Treatment Process. , 2015, , 31-48.		4
28	Meta-Omics-Supervised Characterization of Respiration Activities Associated with Microbial Immigrants in Anaerobic Sludge Digesters. <i>Environmental Science & Technology</i> , 2022, 56, 6689-6698.	4.6	4