

Giin-Yu Amy Tan

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

600
citations

758635

12
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiology and potential applications of aerobic methane oxidation coupled to denitrification (AME-D) process: A review. <i>Water Research</i> , 2016, 90, 203-215.	5.3	131
2	Caproate formation in mixed-culture fermentative hydrogen production. <i>Bioresource Technology</i> , 2010, 101, 9550-9559.	4.8	114
3	Enhanced styrene recovery from waste polystyrene pyrolysis using response surface methodology coupled with Box-Behnken design. <i>Waste Management</i> , 2014, 34, 763-769.	3.7	51
4	Enhanced gas chromatography-mass spectrometry method for bacterial polyhydroxyalkanoates analysis. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 379-382.	1.1	41
5	Metatranscriptomic evidence for classical and RuBisCO-mediated CO ₂ reduction to methane facilitated by direct interspecies electron transfer in a methanogenic system. <i>Scientific Reports</i> , 2019, 9, 4116.	1.6	30
6	Shaping microbial consortia in coupling glycerol fermentation and carboxylate chain elongation for Co-production of 1,3-propanediol and caproate: Pathways and mechanisms. <i>Water Research</i> , 2019, 148, 281-291.	5.3	30
7	Bioconversion of Styrene to Poly(hydroxyalkanoate) (PHA) by the New Bacterial Strain <i>Pseudomonas putida</i> NBUS12. <i>Microbes and Environments</i> , 2015, 30, 76-85.	0.7	28
8	Upgrading lignocellulosic ethanol for caproate production via chain elongation fermentation. <i>International Biodeterioration and Biodegradation</i> , 2018, 135, 103-109.	1.9	28
9	Enhanced primary treatment for net energy production from sewage – The genetic clarification of substrate-acetate-methane pathway in anaerobic digestion. <i>Chemical Engineering Journal</i> , 2022, 431, 133416.	6.6	28
10	Two-stage microbial conversion of crude glycerol to 1,3-propanediol and polyhydroxyalkanoates after pretreatment. <i>Journal of Environmental Management</i> , 2019, 232, 615-624.	3.8	25
11	Use of polymeric scouring agent as fluidized media in anaerobic fluidized bed membrane bioreactor for wastewater treatment: System performance and microbial community. <i>Journal of Membrane Science</i> , 2020, 606, 118121.	4.1	25
12	Insights into the roles of anammox bacteria in post-treatment of anaerobically-treated sewage. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 655-684.	6.6	23
13	Genomic driven factors enhance biocatalyst-related cellulolysis potential in anaerobic digestion. <i>Bioresource Technology</i> , 2021, 333, 125148.	4.8	10
14	Microbial removal of carboxylic acids from 1,3-propanediol in glycerol anaerobic digestion effluent by PHAs-producing consortium. <i>Biochemical Engineering Journal</i> , 2016, 112, 269-276.	1.8	9
15	Combined Effect of Activated Carbon Particles and Non-Adsorptive Spherical Beads as Fluidized Media on Fouling, Organic Removal and Microbial Communities in Anaerobic Membrane Bioreactor. <i>Membranes</i> , 2021, 11, 365.	1.4	8
16	An HPLC-DAD method for rapid and high resolution analysis of concentrated BTEX and styrene aqueous samples. <i>Analytical Methods</i> , 2012, 4, 3545.	1.3	6
17	Determination of monomeric composition in polyhydroxyalkanoates by liquid chromatography coupled with on-line mass spectrometry and off-line nuclear magnetic resonance. <i>Talanta</i> , 2016, 146, 107-113.	2.9	5
18	Topological tuning of Two-Dimensional polytriazine imides by halide anions for selective lead removal from wastewater. <i>Separation and Purification Technology</i> , 2021, 278, 119595.	3.9	5

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19	One for all, and all for one: Exploiting microbial mutualism for a new renaissance in anaerobic digestion. Waste Management, 2016, 53, 1-2.	3.7	3