

Ying Yu Law

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,887
citations

430874

18
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrous oxide emissions from wastewater treatment processes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1265-1277.	4.0	358
2	N ₂ O production rate of an enriched ammonia-oxidising bacteria culture exponentially correlates to its ammonia oxidation rate. <i>Water Research</i> , 2012, 46, 3409-3419.	11.3	190
3	The effect of pH on N ₂ O production under aerobic conditions in a partial nitrification system. <i>Water Research</i> , 2011, 45, 5934-5944.	11.3	152
4	Polyphosphate-accumulating organisms in full-scale tropical wastewater treatment plants use diverse carbon sources. <i>Water Research</i> , 2019, 149, 496-510.	11.3	129
5	Mainstream Ammonium Recovery to Advance Sustainable Urban Wastewater Management. <i>Environmental Science & Technology</i> , 2019, 53, 11066-11079.	10.0	126
6	Ammonium as a sustainable proton shuttle in bioelectrochemical systems. <i>Bioresource Technology</i> , 2011, 102, 9691-9696.	9.6	115
7	Modeling of Nitrous Oxide Production by Autotrophic Ammonia-Oxidizing Bacteria with Multiple Production Pathways. <i>Environmental Science & Technology</i> , 2014, 48, 3916-3924.	10.0	110
8	Mathematical Modeling of Nitrous Oxide (N ₂ O) Emissions from Full-Scale Wastewater Treatment Plants. <i>Environmental Science & Technology</i> , 2013, 47, 7795-7803.	10.0	102
9	Fossil organic carbon in wastewater and its fate in treatment plants. <i>Water Research</i> , 2013, 47, 5270-5281.	11.3	96
10	Producing free nitrous acid – A green and renewable biocidal agent – From anaerobic digester liquor. <i>Chemical Engineering Journal</i> , 2015, 259, 62-69.	12.7	82
11	The Confounding Effect of Nitrite on N ₂ O Production by an Enriched Ammonia-Oxidizing Culture. <i>Environmental Science & Technology</i> , 2013, 47, 7186-7194.	10.0	77
12	Integrative microbial community analysis reveals full-scale enhanced biological phosphorus removal under tropical conditions. <i>Scientific Reports</i> , 2016, 6, 25719.	3.3	61
13	High Dissolved Oxygen Selection against <i>Nitrospira</i> Sublineage I in Full-Scale Activated Sludge. <i>Environmental Science & Technology</i> , 2019, 53, 8157-8166.	10.0	50
14	A novel methodology to quantify nitrous oxide emissions from full-scale wastewater treatment systems with surface aerators. <i>Water Research</i> , 2014, 48, 257-268.	11.3	47
15	Metabolic Traits of <i>Candidatus</i> Accumulibacter clade IIF Strain SCELSE-1 Using Amino Acids As Carbon Sources for Enhanced Biological Phosphorus Removal. <i>Environmental Science & Technology</i> , 2020, 54, 2448-2458.	10.0	41
16	Non-denitrifying polyphosphate accumulating organisms obviate requirement for anaerobic condition. <i>Water Research</i> , 2017, 111, 393-403.	11.3	35
17	Recovery of complete genomes and non-chromosomal replicons from activated sludge enrichment microbial communities with long read metagenome sequencing. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 23.	6.4	29
18	Global warming readiness: Feasibility of enhanced biological phosphorus removal at 35°C. <i>Water Research</i> , 2022, 216, 118301.	11.3	25

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19	Extracellular protein isolation from the matrix of anammox biofilm using ionic liquid extraction. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3643-3654.	3.6	13
20	Reversing the nutrient drain through urban insect farming—opportunities and challenges. <i>AIMS Bioengineering</i> , 2018, 5, 226-237.	1.1	12
21	Modeling N ₂ O production by ammonia oxidizing bacteria at varying inorganic carbon concentrations by coupling the catabolic and anabolic processes. <i>Chemical Engineering Science</i> , 2016, 144, 386-394.	3.8	9
22	Phase Transitions by an Abundant Protein in the Anammox Extracellular Matrix Mediate Cell-to-Cell Aggregation and Biofilm Formation. <i>MBio</i> , 2020, 11, .	4.1	8
23	Recovery of High Quality Metagenome-Assembled Genomes From Full-Scale Activated Sludge Microbial Communities in a Tropical Climate Using Longitudinal Metagenome Sampling. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	8
24	Draft Genome Sequence of a <i>Candidatus</i> Brocadia Bacterium Enriched from Activated Sludge Collected in a Tropical Climate. <i>Genome Announcements</i> , 2018, 6, .	0.8	6