Yifeng Xu

List of Publications by Year in descending order

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24	739	567144 15	610775 24
papers	citations	h-index	g-index

24	24	24	633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Achieving Stable Nitritation for Mainstream Deammonification by Combining Free Nitrous Acid-Based Sludge Treatment and Oxygen Limitation. Scientific Reports, 2016, 6, 25547.	1.6	104
2	A comparative review of microplastics in lake systems from different countries and regions. Chemosphere, 2022, 286, 131806.	4.2	86
3	Biotransformation of pharmaceuticals by ammonia oxidizing bacteria in wastewater treatment processes. Science of the Total Environment, 2016, 566-567, 796-805.	3.9	74
4	Degradation of fluoroquinolones in homogeneous and heterogeneous photo-Fenton processes: A review. Chemosphere, 2021, 270, 129481.	4.2	68
5	Review of antibiotics treatment by advance oxidation processes. Environmental Advances, 2021, 5, 100111.	2.2	65
6	Biodegradation of atenolol by an enriched nitrifying sludge: Products and pathways. Chemical Engineering Journal, 2017, 312, 351-359.	6.6	55
7	Cometabolic biodegradation of antibiotics by ammonia oxidizing microorganisms during wastewater treatment processes. Journal of Environmental Management, 2022, 305, 114336.	3.8	37
8	Biodegradation of pharmaceuticals in membrane aerated biofilm reactor for autotrophic nitrogen removal: A model-based evaluation. Journal of Membrane Science, 2015, 494, 39-47.	4.1	32
9	Biotransformation of acyclovir by an enriched nitrifying culture. Chemosphere, 2017, 170, 25-32.	4.2	27
10	Synchronous photosensitized degradation of methyl orange and methylene blue in water by visible-light irradiation. Journal of Molecular Liquids, 2021, 334, 116159.	2.3	27
11	Insights into the degradation mechanisms and pathways of cephalexin during homogeneous and heterogeneous photo-Fenton processes. Chemosphere, 2021, 285, 131417.	4.2	22
12	Modeling of Pharmaceutical Biotransformation by Enriched Nitrifying Culture under Different Metabolic Conditions. Environmental Science & Technology, 2018, 52, 2835-2843.	4.6	21
13	Impact of Ammonium Availability on Atenolol Biotransformation during Nitrification. ACS Sustainable Chemistry and Engineering, 2017, 5, 7137-7144.	3.2	18
14	A two-stage degradation coupling photocatalysis to microalgae enhances the mineralization of enrofloxacin. Chemosphere, 2022, 293, 133523.	4.2	18
15	Insight into integration of photocatalytic and microbial wastewater treatment technologies for recalcitrant organic pollutants: From sequential to simultaneous reactions. Chemosphere, 2022, 295, 133952.	4.2	16
16	Heterotrophic denitrifiers growing on soluble microbial products contribute to nitrous oxide production in anammox biofilm: Model evaluation. Journal of Environmental Management, 2019, 242, 309-314.	3.8	14
17	Modeling nitrate/nitrite dependent anaerobic methane oxidation and Anammox process in a membrane granular sludge reactor. Chemical Engineering Journal, 2021, 403, 125822.	6.6	12
18	Optimizing light sources for selective growth of purple bacteria and efficient formation of value-added products. Journal of Cleaner Production, 2021, 280, 124493.	4.6	10

#	ARTICLE	IF	CITATIONS
19	Enhanced biodegradation of ciprofloxacin by enriched nitrifying sludge: assessment of removal pathways and microbial responses. Water Science and Technology, 2022, 85, 409-419.	1.2	10
20	Contribution of nitrification and denitrification to nitrous oxide turnovers in membrane-aerated biofilm reactors (MABR): A model-based evaluation. Science of the Total Environment, 2022, 806, 151321.	3.9	6
21	Regulating light, oxygen and volatile fatty acids to boost the productivity of purple bacteria biomass, protein and co-enzyme Q10. Science of the Total Environment, 2022, 822, 153489.	3.9	6
22	Modelling melamine biodegradation in a membrane aerated biofilm reactor. Journal of Water Process Engineering, 2020, 38, 101626.	2.6	5
23	Biosorption of Cr (VI) Using Bacillus licheniformis and Bacillus mucilaginosus Krassilnikov: Contrastive Investigation on Removal Performance, Kinetics, and Mechanisms. Environmental Engineering Science, 2021, 38, 231-244.	0.8	4
24	Spectral bands of incandescent lamp leading to variable productivity of purple bacteria biomass and microbial protein: Full is better than segmented. Science of the Total Environment, 2022, 823, 153736.	3.9	2