

Yong-Ze Lu

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,309
citations

331670

21
h-index

501196

28
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29
all docs

29
docs citations

29
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of antibiotic resistance genes from wastewater treatment plant effluent by coagulation. <i>Water Research</i> , 2017, 111, 204-212.	11.3	219
2	Humic substances as electron acceptors for anaerobic oxidation of methane driven by ANME-2d. <i>Water Research</i> , 2019, 164, 114935.	11.3	95
3	Decoupling of DAMO archaea from DAMO bacteria in a methane-driven microbial fuel cell. <i>Water Research</i> , 2017, 110, 112-119.	11.3	86
4	Cr(VI) reduction coupled with anaerobic oxidation of methane in a laboratory reactor. <i>Water Research</i> , 2016, 102, 445-452.	11.3	80
5	Iron reduction in the DAMO/ <i>Shewanella oneidensis</i> MR-1 coculture system and the fate of Fe(II). <i>Water Research</i> , 2016, 88, 808-815.	11.3	74
6	Design and evaluation of universal 16S rRNA gene primers for high-throughput sequencing to simultaneously detect DAMO microbes and anammox bacteria. <i>Water Research</i> , 2015, 87, 385-394.	11.3	68
7	Simultaneous enrichment of denitrifying anaerobic methane-oxidizing microorganisms and anammox bacteria in a hollow-fiber membrane biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 437-446.	3.6	58
8	Hollow fiber membrane bioreactor affects microbial community and morphology of the DAMO and Anammox co-culture system. <i>Bioresource Technology</i> , 2017, 232, 247-253.	9.6	48
9	New primers for detecting and quantifying denitrifying anaerobic methane oxidation archaea in different ecological niches. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9805-9812.	3.6	46
10	Investigation of Cr(VI) reduction potential and mechanism by <i>Caldicellulosiruptor saccharolyticus</i> under glucose fermentation condition. <i>Journal of Hazardous Materials</i> , 2018, 344, 585-592.	12.4	46
11	High-rate anaerobic decolorization of methyl orange from synthetic azo dye wastewater in a methane-based hollow fiber membrane bioreactor. <i>Journal of Hazardous Materials</i> , 2020, 388, 121753.	12.4	44
12	Environmental evaluation of coexistence of denitrifying anaerobic methane-oxidizing archaea and bacteria in a paddy field. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 439-446.	3.6	43
13	Nitrogen source effects on the denitrifying anaerobic methane oxidation culture and anaerobic ammonium oxidation bacteria enrichment process. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3895-3906.	3.6	41
14	Robust performance of a novel anaerobic biofilm membrane bioreactor with mesh filter and carbon fiber (ABMBR) for low to high strength wastewater treatment. <i>Chemical Engineering Journal</i> , 2017, 313, 56-64.	12.7	41
15	Tracking the activity of the Anammox-DAMO process using excitation-emission matrix (EEM) fluorescence spectroscopy. <i>Water Research</i> , 2017, 122, 624-632.	11.3	38
16	Chromium isotope fractionation during Cr(VI) reduction in a methane-based hollow-fiber membrane biofilm reactor. <i>Water Research</i> , 2018, 130, 263-270.	11.3	38
17	In-situ biogas sparging enhances the performance of an anaerobic membrane bioreactor (AnMBR) with mesh filter in low-strength wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6081-6089.	3.6	33
18	Degradation of organic pollutants by anaerobic methane-oxidizing microorganisms using methyl orange as example. <i>Journal of Hazardous Materials</i> , 2019, 364, 264-271.	12.4	32

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19	The content of trace element iron is a key factor for competition between anaerobic ammonium oxidation and methane-dependent denitrification processes. <i>Chemosphere</i> , 2018, 198, 370-376.	8.2	30
20	Advanced phosphorus recovery using a novel SBR system with granular sludge in simultaneous nitrification, denitrification and phosphorus removal process. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4367-4374.	3.6	28
21	Mass transfer affects reactor performance, microbial morphology, and community succession in the methane-dependent denitrification and anaerobic ammonium oxidation co-culture. <i>Science of the Total Environment</i> , 2019, 651, 291-297.	8.0	27
22	Microbial selenite reduction coupled to anaerobic oxidation of methane. <i>Science of the Total Environment</i> , 2019, 669, 168-174.	8.0	22
23	A Novel Approach for Phosphorus Recovery and No Wasted Sludge in Enhanced Biological Phosphorus Removal Process with External COD Addition. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 820-828.	2.9	21
24	Simultaneous nitrification, denitrification and phosphorus removal (SNDPR) at low atmosphere pressure. <i>Biochemical Engineering Journal</i> , 2020, 160, 107629.	3.6	15
25	Experimental evaluation of the metabolic reversibility of ANME-2d between anaerobic methane oxidation and methanogenesis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6481-6490.	3.6	12
26	Effects of the carbon/nitrogen (C/N) ratio on a system coupling simultaneous nitrification and denitrification (SND) and denitrifying phosphorus removal (DPR). <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1071-1078.	1.8	10
27	Acute toxicity and ecological risk assessment of 4,4'-dihydroxybenzophenone, 2,4,4'-trihydroxybenzophenone and 4-MBC in ultraviolet (UV)-filters. <i>PLoS ONE</i> , 2021, 16, e0249915.	2.5	6
28	Light-dependent enhancement of sulfadiazine detoxification and mineralization by non-photosynthetic methanotrophs. <i>Water Research</i> , 2022, 220, 118623.	11.3	6
29	Effect of Carbon Source on Biological Nutrient Removal in an Anaerobic, Hypoxic, Anoxic, or Aerobic Sequencing Batch Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	1.4	0