

Fen Wang

List of Publications by Year in descending order

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papers

451
citations

687363

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all docs

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docs citations

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times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of aerobic granule and nitrogen and phosphorus removal in a SBR. <i>Journal of Hazardous Materials</i> , 2009, 164, 1223-1227.	12.4	85
2	Insight into the short-term effect of fulvic acid on nitrogen removal performance and N-acylated-L-homoserine lactones (AHLs) release in the anammox system. <i>Science of the Total Environment</i> , 2020, 704, 135285.	8.0	45
3	Woodchips bioretention column for stormwater treatment: Nitrogen removal performance, carbon source and microbial community analysis. <i>Chemosphere</i> , 2021, 285, 131519.	8.2	33
4	Insight into the influence of microbial aggregate types on nitrogen removal performance and microbial community in the anammox process - A review and meta-analysis. <i>Science of the Total Environment</i> , 2020, 714, 136571.	8.0	28
5	Effect of exogenous N-acyl-homoserine lactones on the anammox process at 15 °C: Nitrogen removal performance, gene expression and metagenomics analysis. <i>Bioresource Technology</i> , 2021, 341, 125760.	9.6	27
6	Conventional bioretention column with Fe-hydrochar for stormwater treatment: Nitrogen removal, nitrogen behaviour and microbial community analysis. <i>Bioresource Technology</i> , 2021, 334, 125252.	9.6	25
7	Damage of EPS and cell structures and improvement of high-solid anaerobic digestion of sewage sludge by combined (Ca(OH) ₂ + multiple-transducer ultrasonic) pretreatment. <i>RSC Advances</i> , 2017, 7, 22706-22714.	3.6	23
8	A mechanistic approach and response surface optimization of the removal of oil and grease from restaurant wastewater by electrocoagulation and electroflotation. <i>Desalination and Water Treatment</i> , 2015, 55, 2044-2052.	1.0	19
9	N-acyl-homoserine lactones release and microbial community changes in response to operation temperature in an anammox biofilm reactor. <i>Chemosphere</i> , 2021, 262, 127602.	8.2	19
10	One-stage partial nitrification and anammox process in a sequencing batch biofilm reactor: Start-up, nitrogen removal performance and bacterial community dynamics in response to temperature. <i>Science of the Total Environment</i> , 2021, 772, 145529.	8.0	19
11	Response of nitrogen removal performance, functional genes abundances and N-acyl-homoserine lactones release to carminic acid of anammox biomass. <i>Bioresource Technology</i> , 2020, 299, 122567.	9.6	17
12	Achieving biodegradability enhancement and acute biotoxicity removal through the treatment of pharmaceutical wastewater using a combined internal electrolysis and ultrasonic irradiation technology. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 481-487.	0.8	16
13	Microbial community shift and functional genes in response to nitrogen loading variations in an anammox biofilm reactor. <i>International Biodeterioration and Biodegradation</i> , 2020, 153, 105023.	3.9	16
14	Adsorption of Nitrate onto ZnCl ₂ -Modified Coconut Granular Activated Carbon: Kinetics, Characteristics, and Adsorption Dynamics. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-12.	1.8	15
15	Effect of salinity on nitrogen and phosphorus removal pathways in a hydroponic micro-ecosystem planted with <i>Lythrum salicaria</i> L.. <i>Ecological Engineering</i> , 2017, 105, 205-210.	3.6	13
16	Long-term effect of fulvic acid amendment on the anammox biofilm system at 15 °C: performance, microbial community and metagenomics analysis. <i>Bioresource Technology</i> , 2022, 344, 126234.	9.6	13
17	Effects of salinity on removal of nitrogen and phosphorus from eutrophic saline water in planted <i>Lythrum salicaria</i> L. microcosm systems. <i>Desalination and Water Treatment</i> , 2014, 52, 6655-6663.	1.0	10
18	Evaluation of Ca(OH) ₂ disintegration on high-solid sludge floc structures and subsequent anaerobic digestion. <i>Ecological Engineering</i> , 2020, 158, 106030.	3.6	8

#	ARTICLE	IF	CITATIONS
19	A sulfur-limestone bioretention system for stormwater treatment: Nitrogen removal performance and microbial community. <i>Science of the Total Environment</i> , 2022, 827, 154301.	8.0	6
20	Nitrogen removal and abundances of associated functional genes in rhizosphere and non-rhizosphere of a vertical flow constructed wetland in response to salinity. <i>Ecological Engineering</i> , 2020, 158, 106015.	3.6	5
21	Brackish Eutrophic Water Treatment by <i>Iris pseudacorus</i> -Planted Microcosms: Physiological Responses of <i>Iris pseudacorus</i> to Salinity. <i>International Journal of Phytoremediation</i> , 2015, 17, 814-821.	3.1	4
22	Low-temperature plasma induced grafting of 2-methacryloyloxyethyl phosphorylcholine onto poly(tetrafluoroethylene) films. <i>Transactions of Tianjin University</i> , 2009, 15, 355-359.	6.4	3
23	Characteristics and Stability of Aerobic Granules Treating Domestic Sewage. , 2009, , .		1