Zhenguo Chen

List of Publications by Year
in descending order

19	479	759233 12	794594 19
papers	citations	h-index	g-index

19	19	19	373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Partial nitrification and denitrification of mature landfill leachate using a pilot-scale continuous activated sludge process at low dissolved oxygen. Bioresource Technology, 2016, 218, 580-588.	9.6	85
2	Partial nitrification performance and mechanism of zeolite biological aerated filter for ammonium wastewater treatment. Bioresource Technology, 2017, 241, 473-481.	9.6	80
3	Nitrogen removal via nitritation pathway for low-strength ammonium wastewater by adsorption, biological desorption and denitrification. Bioresource Technology, 2018, 267, 541-549.	9.6	46
4	Response of nitritation performance and microbial community structure in sequencing biofilm batch reactors filled with different zeolite and alkalinity ratio. Bioresource Technology, 2019, 273, 487-495.	9.6	31
5	Advanced treatment of phosphorus-containing tail water by Feâ€“Mgâ€“Zr layered double hydroxide beads: Performance and mechanism. Journal of Environmental Management, 2021, 296, 113203.	7.8	30
6	Salt inhibition on partial nitritation performance of ammonium-rich saline wastewater in the zeolite biological aerated filter. Bioresource Technology, 2019, 280, 287-294.	9.6	28
7	Nitrite accumulation stability evaluation for low-strength ammonium wastewater by adsorption and biological desorption of zeolite under different operational temperature. Science of the Total Environment, 2020, 704, 135260.	8.0	28
8	Nitrogen removal from iron oxide red wastewater via partial nitritation-Anammox based on two-stage zeolite biological aerated filter. Bioresource Technology, 2019, 279, 17-24.	9.6	25
9	Pilot study of nitrogen removal from landfill leachate by stable nitritation-denitrification based on zeolite biological aerated filter. Waste Management, 2019, 100, 161-170.	7.4	22
10	Biological nitrogen removal via combined processes of denitrification, highly efficient partial nitritation and Anammox from mature landfill leachate. Environmental Science and Pollution Research, 2020, 27, 29408-29421.	5.3	18
11	Effect of hydraulic retention time on effluent pH in anammox bioreactors: Characteristics of effluent pH and pH as an indicator of reactor performance. Journal of Environmental Management, 2021, 280, 111716.	7.8	16
12	Performance and mechanism of urea hydrolysis in partial nitritation system based on SBR. Chemosphere, 2020, 258, 127228.	8.2	14
13	Effect of alkalinity on bio-zeolite regeneration in treating cold low-strength ammonium wastewater via adsorption and enhanced regeneration. Environmental Science and Pollution Research, 2019, 26, 28040-28051.	5.3	12
14	The benefits of autotrophic nitrogen removal from high concentration of urea wastewater through a process of urea hydrolysis and partial nitritation in sequencing batch reactor. Journal of Environmental Management, 2021, 292, 112762.	7.8	12
15	Converting wastes to resource: Utilization of dewatered municipal sludge for calcium-based biochar adsorbent preparation and land application as a fertilizer. Chemosphere, 2022, 298, 134302.	8.2	10
16	Comparison of complete nitritationâ€“denitrification and partial nitritationâ€“anammox for iron oxide wastewater treatment. Journal of Cleaner Production, 2021, 294, 126281.	9.3	9
17	Rapid start-up and performance of denitrifying granular sludge in an upflow sludge blanket (USB) reactor treating high concentration nitrite wastewater. Biodegradation, 2018, 29, 543-555.	3.0	6
18	Nitrogen Removal for Liquid-Ammonia Mercerization Wastewater via Partial Nitritation/Anammox Based on Zeolite Sequencing Batch Reactor. Water (Switzerland), 2020, 12, 2234.	2.7	5

#	Article	IF	Citations
19	Application of a synthetic zeolite as a storage medium in SBRs to achieve the stable partial nitrification of ammonium. Environmental Science: Water Research and Technology, 2019, 5, 287-295.	2.4	2