

# Wenru Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6360398/publications.pdf>

Version: 2024-02-01

26  
papers

640  
citations

516710

16  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

419  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput sequencing-based microbial characterization of size fractionated biomass in an anoxic anammox reactor for low-strength wastewater at low temperatures. <i>Bioresource Technology</i> , 2017, 231, 45-52.	9.6	98
2	Novel insights into Anammox-based processes: A critical review. <i>Chemical Engineering Journal</i> , 2022, 444, 136534.	12.7	73
3	Fast start-up of the cold-anammox process with different inoculums at low temperature (13°C) in innovative reactor. <i>Bioresource Technology</i> , 2018, 267, 696-703.	9.6	50
4	Enhancement of nitrite production via addition of hydroxylamine to partial denitrification (PD) biomass: Functional genes dynamics and enzymatic activities. <i>Bioresource Technology</i> , 2020, 318, 124274.	9.6	40
5	Microbial community response to influent shift and lowering temperature in a two-stage mainstream deammonification process. <i>Bioresource Technology</i> , 2018, 262, 132-140.	9.6	35
6	Hydroxylamine metabolism in mainstream denitrifying ammonium oxidation (DEAMOX) process: Achieving fast start-up and robust operation with bio-augmentation assistance under ambient temperature. <i>Journal of Hazardous Materials</i> , 2022, 421, 126736.	12.4	34
7	Characterization of the start-up of single and two-stage Anammox processes with real low-strength wastewater treatment. <i>Chemosphere</i> , 2020, 245, 125572.	8.2	30
8	Development of a novel denitrifying phosphorus removal and partial denitrification anammox (DPR+APDA) process for advanced nitrogen and phosphorus removal from domestic and nitrate wastewaters. <i>Bioresource Technology</i> , 2021, 327, 124795.	9.6	30
9	Feasibility of applying intermittent aeration and baffles for achieving granular nitritation in a continuous short-cut denitrifying phosphorus removal system. <i>Science of the Total Environment</i> , 2020, 715, 137023.	8.0	28
10	Functional and compositional characteristics of nitrifiers reveal the failure of achieving mainstream nitritation under limited oxygen or ammonia conditions. <i>Bioresource Technology</i> , 2019, 275, 272-279.	9.6	26
11	A novel denitrifying phosphorus removal and partial nitrification, anammox (DPR-PNA) process for advanced nutrients removal from high-strength wastewater. <i>Chemosphere</i> , 2021, 265, 129165.	8.2	24
12	Two-stage partial nitritation-anammox process for high-rate mainstream deammonification. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8079-8091.	3.6	23
13	Single-stage autotrophic nitrogen removal process at high loading rate: granular reactor performance, kinetics, and microbial characterization. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2379-2389.	3.6	20
14	A novel anammox reactor with a nitrogen gas circulation: performance, granule size, activity, and microbial community. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18661-18671.	5.3	20
15	Cultivation and characteristics of partial nitrification granular sludge in a sequencing batch reactor inoculated with heterotrophic granules. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9381-9391.	3.6	18
16	Enhancing the in-situ enrichment of anammox bacteria in aerobic granules to achieve high-rate CANON at low temperatures. <i>Chemosphere</i> , 2021, 278, 130395.	8.2	18
17	Evaluating the feasibility of ratio control strategy for achieving partial nitritation in a continuous floccular sludge reactor: Experimental demonstration. <i>Bioresource Technology</i> , 2017, 224, 94-100.	9.6	14
18	Performance and microbial ecology of a nitritation sequencing batch reactor treating high-strength ammonia wastewater. <i>Scientific Reports</i> , 2016, 6, 35693.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Comparing nitrite-limited and ammonium-limited anammox processes treating low-strength wastewater: Functional and population heterogeneity. <i>Chemosphere</i> , 2020, 258, 127290.	8.2	10
20	Insight into how high dissolved oxygen favors the startup of nitrification with aerobic granules. <i>Chemosphere</i> , 2021, 270, 128643.	8.2	9
21	Granules abrasion cause deterioration of nitrification in a mainstream granular sludge reactor with high loading rate. <i>Chemosphere</i> , 2020, 243, 125433.	8.2	8
22	Rapid initiation of a single-stage partial nitrification-anammox process treating low-strength ammonia wastewater: Novel insights into biofilm development on porous polyurethane hydrogel carrier. <i>Bioresource Technology</i> , 2022, 357, 127344.	9.6	8
23	Effective utilization of refractory dissolved organic matters in domestic sewage allows to enhanced nitrogen removal by integrated fermentation, nitrification, denitrification and anammox process. <i>Bioresource Technology</i> , 2022, 354, 127227.	9.6	6
24	The Effect of Anaerobic Co-Substrate on Removal of COD, Phenol and Methane Production in Coal Gasification Wastewater Treatment. <i>Polish Journal of Environmental Studies</i> , 2020, 29, 4175-4181.	1.2	3
25	Response of nitrification granules to anaerobically pre-treated municipal wastewater at low temperatures in a continuous-flow reactor. <i>Chemosphere</i> , 2022, 294, 133831.	8.2	3
26	Achieving high-rate partial nitrification with aerobic granular sludge at low temperatures. <i>Biodegradation</i> , 2022, 33, 45-58.	3.0	2