Shuying Wang

List of Publications by Year in Descending Order

331 papers	10,277 citations	55 h-index	87 g-index
351 ext. papers	13,856 ext. citations	9.2 avg, IF	7.12 L-index

#	Paper	IF	Citations
331	Enhanced Nitrogen Removal from Domestic Wastewater by Partial-Denitrification/Anammox in an Anoxic/Oxic Biofilm Reactor. *Processes*, **2022**, 10, 109	2.9	1
330	Insight into the characteristics of microbial communities in a single-stage anammox reactor under different oxygen conditions. *Environmental Science: Water Research and Technology*, **2022**, 8, 419-428	4.2	
329	Impact mechanism and performance enhancement of ultrasound on ZVI-anammox system.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
328	Efficient nitrogen removal from mature landfill leachate in a step feed continuous plug-flow system based on one-stage anammox process.. *Bioresource Technology*, **2022**, 347, 126676	11	0
327	Anaerobic duration optimization improves endogenous denitrification efficiency by glycogen accumulating organisms enhancement.. *Bioresource Technology*, **2022**, 126730	11	0
326	Extremely acidic condition (pH. *Chemosphere*, **2022**, 294, 133770	8.4	0
325	Feasibility of partial-denitrification/ anammox for pharmaceutical wastewater treatment in a hybrid biofilm reactor. *Water Research*, **2022**, 208, 117856	12.5	15
324	Enhanced phosphate remediation of contaminated natural water by magnetic zeolitic imidazolate framework-8@engineering nanomaterials (ZIF8@ENMs).. *Journal of Colloid and Interface Science*, **2022**, 613, 71-83	9.3	1
323	Analysis of nitrite oxidation process and nitrification performance by nitrogen and oxygen isotope fractionation effect.. *Science of the Total Environment*, **2022**, 814, 152511	10.2	0
322	Pilot-scale demonstration of a novel process integrating Partial Nitritation with simultaneous Anammox, Denitrification and Sludge Fermentation (PN + ADSF) for nitrogen removal and sludge reduction.. *Science of the Total Environment*, **2022**, 152835	10.2	1
321	Advanced nitrogen elimination from domestic sewage through two stage partial nitrification and denitrification (PND) coupled with simultaneous anaerobic ammonia oxidation and denitrification (SAD). *Bioresource Technology*, **2022**, 343, 125986	11	2
320	Mainstream double-anammox driven by nitritation and denitratation using a one-stage step-feed bioreactor with real municipal wastewater. *Bioresource Technology*, **2022**, 343, 126132	11	2
319	Identification of partial denitrification granulation enhanced by low C/N ratio in the aspect of metabolomics and quorum sensing. *Chemosphere*, **2022**, 286, 131895	8.4	5
318	Applicability of two-stage anoxic/oxic shortcut nitrogen removal via partial nitrification and partial denitrification for municipal wastewater by adding sludge fermentation products continuously. *Chemosphere*, **2022**, 287, 132053	8.4	0
317	Mainstream partial denitrification-anammox (PD/A) for municipal sewage treatment from moderate to low temperature: Reactor performance and bacterial structure. *Science of the Total Environment*, **2022**, 806, 150267	10.2	4
316	Research progress and prospects of complete ammonia oxidizing bacteria in wastewater treatment. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	1
315	A novel control strategy to strengthen nitrogen removal from domestic wastewater through eliminating nitrite oxidizing bacteria in a plug-flow process.. *Bioresource Technology*, **2022**, 126856	11	0

314	Biofilm phenotypes and internal community succession determines distinct growth of anammox bacteria in functional anammox biofilms.. *Bioresource Technology*, **2022**, 349, 126893	11	1
313	Advanced nitrogen removal in a single return anaerobic/aerobic/anoxic/aerobic (AOAO) bioreactor treating municipal wastewater through hydroxylamine addition: Performance and microbial community.. *Bioresource Technology*, **2022**, 126926	11	0
312	Enhanced nutrient removal from mainstream sewage via denitrifying dephosphatation, endogenous denitrification and anammox in a novel continuous flow process.. *Bioresource Technology*, **2022**, 127003	11	0
311	2-Deoxy-D-glucose increases the sensitivity of glioblastoma cells to BCNU through the regulation of glycolysis, ROS and ERS pathways: in vitro and in vivo validation.. *Biochemical Pharmacology*, **2022**, 115029	6	1
310	Multiple roles of complex organics in polishing THP-AD filtrate with double-line anammox: Inhibitory relief and bacterial selection.. *Water Research*, **2022**, 216, 118373	12.5	4
309	The molecular characteristics of dissolved organic matter in urbanized river sediments and their environmental impact under the action of microorganisms.. *Science of the Total Environment*, **2022**, 154289	10.2	1
308	The effect of biofilm growth on the sulfur oxidation pathway and the synergy of microorganisms in desulfurization reactors under different pH conditions.. *Journal of Hazardous Materials*, **2022**, 432, 128638	12.8	0
307	A novel partial denitrification, anammox-biological phosphorus removal, fermentation and partial nitrification (PDA-PFPN) process for real domestic wastewater and waste activated sludge treatment.. *Water Research*, **2022**, 217, 118376	12.5	1
306	Inducing high nitrite accumulation via modulating nitrate reduction power and carbon flux with Thauera spp. selection.. *Bioresource Technology*, **2022**, 354, 127188	11	0
305	Effect of SO-S addition on Anammox coupling sulfur autotrophic denitrification and mechanism analysis using N and O dual isotope effects.. *Water Research*, **2022**, 218, 118404	12.5	0
304	Beyond an Applicable Rate in Low-Strength Wastewater Treatment by Anammox: Motivated Labor at an Extremely Short Hydraulic Retention Time.. *Environmental Science & Technology*, **2022**,	10.3	1
303	An Innovative Process for Mature Landfill Leachate and Waste Activated Sludge Simultaneous Treatment Based on Partial Nitrification, In Situ Fermentation, and Anammox (PNFA).. *Environmental Science & Technology*, **2021**,	10.3	2
302	The nitrification recovery capacity is the key to enhancing nitrogen removal in the AOA system at low temperatures. *Science of the Total Environment*, **2021**, 818, 151674	10.2	0
301	Anammox-synchronous zero-valent iron oxidation promoting synergistic nitrogen and phosphorus removal from wastewater. *Bioresource Technology*, **2021**, 126365	11	2
300	Realization of partial nitrification and in-situ anammox in continuous-flow anaerobic/aerobic/anoxic process with side-stream sludge fermentation for real sewage.. *Bioresource Technology*, **2021**, 346, 126520	11	2
299	Enhanced nitrogen removal from low COD/TIN mainstream wastewater in a continuous plug-flow reactor via partial nitrification, simultaneous anammox and endogenous denitrification (PN-SAED) process.. *Bioresource Technology*, **2021**, 345, 126539	11	7
298	Effect of low salinity on nitrogen removal from municipal wastewater via a double-anammox process coupled with nitritation and denitratation: Performance and microbial structure.. *Bioresource Technology*, **2021**, 346, 126633	11	3
297	Distinct granulation pathways of anammox granular sludge under biofilm enhancement.. *Bioresource Technology*, **2021**, 126569	11	0

296	Intermittent pH control strategy in sludge anaerobic fermentation: Higher short-chain fatty acids production, lower alkali consumption, and simpler control.. *Bioresource Technology*, **2021**, 345, 126517	11	0
295	Sustainable upgrading of biological municipal wastewater treatment based on anammox: From microbial understanding to engineering application.. *Science of the Total Environment*, **2021**, 813, 152468	10.2	5
294	Intensified nitrogen removal by endogenous denitrification in a full-scale municipal wastewater treatment plant.. *Environmental Research*, **2021**, 205, 112564	7.9	0
293	Advanced nitrogen removal from landfill leachate via a two-stage combined process of partial nitrification-Anammox (PNA) and partial denitrification-Anammox (PDA). *Science of the Total Environment*, **2021**, 810, 151186	10.2	0
292	Rapid enrichment of anammox bacteria linked to floc aggregates in a single-stage partial nitritation-anammox process: Providing the initial carrier and anaerobic microenvironment. *Water Research*, **2021**, 191, 116807	12.5	31
291	The combined effects of biomass and temperature on maximum specific ammonia oxidation rate in domestic wastewater treatment. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	3
290	Highly enriched anammox within anoxic biofilms by reducing suspended sludge biomass in a real-sewage A/O process. *Water Research*, **2021**, 194, 116906	12.5	24
289	Enrichment and retention of key functional bacteria of partial denitrification-Anammox (PD/A) process via cell immobilization: A novel strategy for fast PD/A application. *Bioresource Technology*, **2021**, 326, 124744	11	14
288	Mechanistic insights into the effects of biopolymer conversion on macroscopic physical properties of waste activated sludge during hydrothermal treatment: Importance of the Maillard reaction. *Science of the Total Environment*, **2021**, 769, 144798	10.2	13
287	Rapid achieving partial nitrification in domestic wastewater: Controlling aeration time to selectively enrich ammonium oxidizing bacteria (AOB) after simultaneously eliminating AOB and nitrite oxidizing bacteria (NOB). *Bioresource Technology*, **2021**, 328, 124810	11	16
286	Rapid initiation and stable maintenance of municipal wastewater nitritation during the continuous flow anaerobic/oxic process with an ultra-low sludge retention time. *Water Research*, **2021**, 197, 117091	12.5	14
285	Phosphorus recovery from waste activated sludge by sponge iron seeded crystallization of vivianite and process optimization with response surface methodology. *Environmental Science and Pollution Research*, **2021**, 28, 58375-58386	5.1	2
284	Molecular characterization of dissolved organic nitrogen during anoxic/oxic and anammox processes using ESI FT-ICR MS. *Water Environment Research*, **2021**, 93, 2107-2121	2.8	0
283	Compositional and structural characteristics of dissolved organic matter in overlying water of the Chaobai River and its environment significance. *Environmental Science and Pollution Research*, **2021**, 28, 59673-59686	5.1	0
282	A continuous plug-flow anaerobic/aerobic/anoxic/aerobic (AOAO) process treating low COD/TIN domestic sewage: Realization of partial nitrification and extremely advanced nitrogen removal. *Science of the Total Environment*, **2021**, 771, 145387	10.2	15
281	Anaerobic Membrane Bioreactors for Livestock Wastewater Treatment and Resource Recovery: Opportunities and Challenges. *Current Pollution Reports*, **2021**, 7, 277-285	7.6	2
280	A novel strategy for enhancing the partial denitrification to treat domestic wastewater by feeding sludge fermentation liquid. *Bioresource Technology*, **2021**, 330, 124936	11	6
279	Detailed composition evolution of food waste in an intermittent self-agitation anaerobic digestion baffled reactor. *Bioresource Technology*, **2021**, 320, 124342	11	3

278	Exploring the optimized strategy in the nitritation-anammox biofilm process for treating low ammonium wastewater. *Bioresource Technology*, **2021**, 319, 124113	11	7
277	Sludge fermentation liquid addition attained advanced nitrogen removal in low C/N ratio municipal wastewater through short-cut nitrification-denitrification and partial anammox. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	15
276	Enhanced simultaneous nitrogen and phosphorus removal from low COD/TIN domestic wastewater through nitritation-denitritation coupling improved anammox process with an optimal Anaerobic/Oxic/Anoxic strategy. *Bioresource Technology*, **2021**, 322, 124526	11	19
275	Simultaneous enhanced biological phosphorus removal and semi-nitritation (EBPR-SN) followed by anammox process treating municipal wastewater at seasonal temperatures: From summer to winter. *Science of the Total Environment*, **2021**, 757, 144048	10.2	10
274	Start-up of PN-anammox system under low inoculation quantity and its restoration after low-loading rate shock. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	13
273	Metagenomic prediction analysis of microbial aggregation in anammox-dominated community. *Water Environment Research*, **2021**, 93, 2549-2558	2.8	10
272	New insights into co-treatment of mature landfill leachate with municipal sewage via integrated partial nitrification, Anammox and denitratation. *Journal of Hazardous Materials*, **2021**, 415, 125506	12.8	13
271	Efficient and advanced nitrogen removal from mature landfill leachate via combining nitritation and denitritation with Anammox in a single sequencing batch biofilm reactor. *Bioresource Technology*, **2021**, 333, 125138	11	10
270	Effectively stimulating partial denitrification to utilize dissolved slowly-biodegradable organic matter by introducing in-situ biosorption and hydrolytic acidification. *Bioresource Technology*, **2021**, 333, 125175	11	4
269	Culturing sludge fermentation liquid-driven partial denitrification in two-stage Anammox process to realize advanced nitrogen removal from mature landfill leachate. *Journal of Hazardous Materials*, **2021**, 415, 125568	12.8	7
268	Carrier type induces anammox biofilm structure and the nitrogen removal pathway: Demonstration in a full-scale partial nitritation/anammox process. *Bioresource Technology*, **2021**, 334, 125249	11	13
267	Quantitative Structure-Activity Relationship (QSAR) Studies on the Toxic Effects of Nitroaromatic Compounds (NACs): A Systematic Review. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	8
266	Novel insights into overcoming nitrite oxidation bacteria acclimatization problem in treatment of high-ammonia wastewater through partial nitrification. *Bioresource Technology*, **2021**, 336, 125254	11	2
265	Development of a novel partial nitrification, fermentation-based double denitrification bioprocess (PN-F-Double/DN) to simultaneous treatment of mature landfill leachate and waste activated sludge. *Water Research*, **2021**, 203, 117540	12.5	3
264	Pilot-scale evaluation of partial denitrification/anammox on nitrogen removal from low COD/N real sewage based on a modified process. *Bioresource Technology*, **2021**, 338, 125580	11	7
263	Achieving synergetic treatment of sludge supernatant, waste activated sludge and secondary effluent for wastewater treatment plants (WWTPs) sustainable development. *Bioresource Technology*, **2021**, 337, 125416	11	3
262	Pre-anaerobic treatment enhanced partial nitrification start-up coupled with anammox for advanced nitrogen removal from low C/N domestic wastewater. *Bioresource Technology*, **2021**, 337, 125434	11	7
261	Chemometric QSAR modeling of acute oral toxicity of Polycyclic Aromatic Hydrocarbons (PAHs) to rat using simple 2D descriptors and interspecies toxicity modeling with mouse. *Ecotoxicology and Environmental Safety*, **2021**, 222, 112525	7	3

260	Rapid start-up strategy of partial denitrification and microbially driven mechanism of nitrite accumulation mediated by dissolved organic matter. *Bioresource Technology*, **2021**, 340, 125663	11	4
259	Impact of starvation conditions on the nitrifying performance and sludge properties in SBR system with a limited filamentous bulking state. *Science of the Total Environment*, **2021**, 797, 148997	10.2	1
258	An effective strategy for in situ start-up of mainstream anammox process treating domestic sewage. *Bioresource Technology*, **2021**, 339, 125525	11	5
257	Improving stability of mainstream Anammox in an innovative two-stage process for advanced nitrogen removal from mature landfill leachate. *Bioresource Technology*, **2021**, 340, 125617	11	8
256	Nitrogen removal performance of sulfur autotrophic denitrification under different SO additions using isotopic fractionation of nitrogen and oxygen. *Science of the Total Environment*, **2021**, 794, 148794	10.2	
255	Advanced nitrogen removal from low C/N municipal wastewater by combining partial nitrification-anammox and endogenous partial denitrification-anammox (PN/A-EPD/A) process in a single-stage reactor. *Bioresource Technology*, **2021**, 339, 125501	11	7
254	Superior nitrogen removal and sludge reduction in a suspended sludge system with in-situ enriching anammox bacteria for real sewage treatment. *Science of the Total Environment*, **2021**, 793, 148669	10.2	2
253	Nutrients removal by interactions between functional microorganisms in a continuous-flow two-sludge system (AAO-BCO): Effect of influent COD/N ratio. *Science of the Total Environment*, **2021**, 793, 148581	10.2	3
252	Rapidly achieving partial nitrification of municipal wastewater in enhanced biological phosphorus removal (EBPR) reactor: Effect of heterotrophs proliferation and microbial interactions. *Bioresource Technology*, **2021**, 340, 125712	11	3
251	Stable nitritation of mature landfill leachate via in-situ selective inhibition by free nitrous acid. *Bioresource Technology*, **2021**, 340, 125647	11	4
250	Achieving stable mainstream nitrogen and phosphorus removal assisted by hydroxylamine addition in a continuous partial nitritation/anammox process from real sewage. *Science of the Total Environment*, **2021**, 794, 148478	10.2	7
249	Synergistic partial denitrification, anammox and in-situ fermentation (SPDAF) process for treating domestic and nitrate wastewater: Response of nitrogen removal performance to decreasing temperature. *Bioresource Technology*, **2021**, 342, 125865	11	0
248	Rapidly achieving and optimizing simultaneous partial nitrification denitrification and anammox integrated process by hydroxylamine addition for advanced nitrogen removal from domestic wastewater. *Bioresource Technology*, **2021**, 342, 125987	11	2
247	Achieving enhanced biological phosphorus removal utilizing waste activated sludge as sole carbon source and simultaneous sludge reduction in sequencing batch reactor. *Science of the Total Environment*, **2021**, 799, 149291	10.2	4
246	Enhanced nutrient removal and facilitating granulation via intermittent aeration in simultaneous partial nitrification endogenous denitrification and phosphorus removal (SPNEDpr) process. *Chemosphere*, **2021**, 285, 131443	8.4	3
245	Insight into the mechanism of nitritation establishment through external fermented sludge addition. *Bioresource Technology*, **2021**, 341, 125763	11	3
244	Improving performance and efficiency of partial anammox by coupling partial nitrification and partial denitrification (PN/A-PD/A) to treat municipal sewage in a step-feed reactor. *Bioresource Technology*, **2021**, 341, 125804	11	2
243	Enhancing the treatment performance of partial denitrification/Anammox process at high nitrogen load: Effects of immobilized strain HFQ8on the sludge characteristics. *Bioresource Technology*, **2021**, 341, 125870	11	2

242	Nutrients removal from low C/N actual municipal wastewater by partial nitritation/anammox (PN/A) coupling with a step-feed anaerobic-anoxic-oxic (A/A/O) system. *Science of the Total Environment*, **2021**, 799, 149293	10.2	5
241	Enhanced nutrient removal of simultaneous partial nitrification, denitrification and phosphorus removal (SPNDPR) in a single-stage anaerobic/micro-aerobic sequencing batch reactor for treating real sewage with low carbon/nitrogen. *Chemosphere*, **2020**, 257, 127097	8.4	32
240	Nutrient removal and microbial community in a two-stage process: Simultaneous enhanced biological phosphorus removal and semi-nitritation (EBPR-SN) followed by anammox. *Bioresource Technology*, **2020**, 310, 123471	11	11
239	Super and selective adsorption of cationic dyes using carboxylate-modified lignosulfonate by environmentally friendly solvent-free esterification. *International Journal of Biological Macromolecules*, **2020**, 159, 98-107	7.9	10
238	In vivo toxicity of nitroaromatic compounds to rats: QSTR modelling and interspecies toxicity relationship with mouse. *Journal of Hazardous Materials*, **2020**, 399, 122981	12.8	11
237	Enhancing the nitrogen removal of anammox by treating municipal wastewater with sludge fermentation products in a continuous flow reactor. *Bioresource Technology*, **2020**, 310, 123468	11	6
236	Performance of the anammox process treating low-strength municipal wastewater under low temperatures: Effect of undulating seasonal temperature variation. *Bioresource Technology*, **2020**, 312, 123590	11	23
235	Advanced nitrogen removal from mature landfill leachate via partial nitrification-Anammox biofilm reactor (PNABR) driven by high dissolved oxygen (DO): Protection mechanism of aerobic biofilm. *Bioresource Technology*, **2020**, 306, 123119	11	32
234	A novel partial nitrification-synchronous anammox and endogenous partial denitrification (PN-SAEPD) process for advanced nitrogen removal from municipal wastewater at ambient temperatures. *Water Research*, **2020**, 175, 115690	12.5	45
233	Transcriptional responses of Candidatus Accumulibacter clades to environmental dynamics in enhanced biological phosphorus removal. *Bioresource Technology*, **2020**, 306, 123108	11	5
232	Advanced nitrogen and phosphorus removal from municipal wastewater via simultaneous enhanced biological phosphorus removal and semi-nitritation (EBPR-SN) combined with anammox. *Bioprocess and Biosystems Engineering*, **2020**, 43, 2039-2052	3.7	1
231	Facilitating sludge granulation and favoring glycogen accumulating organisms by increased salinity in an anaerobic/micro-aerobic simultaneous partial nitrification, denitrification and phosphorus removal (SPNDPR) process. *Bioresource Technology*, **2020**, 313, 123698	11	17
230	Investigation of the polyphosphate-accumulating organism population in the full-scale simultaneous chemical phosphorus removal system. *Environmental Science and Pollution Research*, **2020**, 27, 37877-37886	5.1	4
229	Synergistic Partial-Denitrification, Anammox, and in-situ Fermentation (SPDAF) Process for Advanced Nitrogen Removal from Domestic and Nitrate-Containing Wastewater. *Environmental Science & Technology*, **2020**, 54, 3702-3713	10.3	32
228	Performance investigation of struvite high-efficiency precipitation from wastewater using silicon-doped magnesium oxide. *Environmental Science and Pollution Research*, **2020**, 27, 15463-15474	5.1	7
227	Simultaneous partial nitritation and denitritation coupled with polished anammox for advanced nitrogen removal from low C/N domestic wastewater at low dissolved oxygen conditions. *Bioresource Technology*, **2020**, 305, 123045	11	21
226	Glycolytic inhibition by 3-bromopyruvate increases the cytotoxic effects of chloroethylnitrosoureas to human glioma cells and the DNA interstrand cross-links formation. *Toxicology*, **2020**, 435, 152413	4.4	5
225	Advanced nitrogen removal from municipal wastewater via two-stage partial nitrification-simultaneous anammox and denitrification (PN-SAD) process. *Bioresource Technology*, **2020**, 304, 122955	11	36

224	Characteristics of sludge granulation and EPS production in development of stable partial nitrification. *Bioresource Technology*, **2020**, 303, 122937	11	16
223	16S rRNA gene-based primer pair showed high specificity and quantification accuracy in detecting freshwater Brocadiales anammox bacteria. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	7
222	Flexible Nitrite Supply Alternative for Mainstream Anammox: Advances in Enhancing Process Stability. *Environmental Science & Technology*, **2020**, 54, 6353-6364	10.3	61
221	Reducing carbon source consumption through a novel denitratation/anammox biofilter to remove nitrate from synthetic secondary effluent. *Bioresource Technology*, **2020**, 309, 123377	11	23
220	Recovering partial nitritation in a PN/A system during mainstream wastewater treatment by reviving AOB activity after thoroughly inhibiting AOB and NOB with free nitrous acid. *Environment International*, **2020**, 139, 105684	12.9	24
219	Enhanced long-term advanced denitrogenation from nitrate wastewater by anammox consortia: Dissimilatory nitrate reduction to ammonium (DNRA) coupling with anammox in an upflow biofilter reactor equipped with EDTA-2Na/Fe(II) ratio and pH control. *Bioresource Technology*, **2020**, 305, 123083	11	14
218	3-Bromopyruvate regulates the status of glycolysis and BCNU sensitivity in human hepatocellular carcinoma cells. *Biochemical Pharmacology*, **2020**, 177, 113988	6	13
217	A novel strategy for accelerating the recovery of a Fe(II)-inhibited anammox reactor by intermittent addition of betaine: Performance, kinetics and statistical analysis. *Chemosphere*, **2020**, 251, 126362	8.4	8
216	Full-scale partial nitritation/anammox (PN/A) process for treating sludge dewatering liquor from anaerobic digestion after thermal hydrolysis. *Bioresource Technology*, **2020**, 297, 122380	11	27
215	Insight into the impacts of organics on anammox and their potential linking to system performance of sewage partial nitrification-anammox (PN/A): A critical review. *Bioresource Technology*, **2020**, 300, 122655	11	77
214	Recent advances in controlling denitritation for achieving denitratation/anammox in mainstream wastewater treatment plants. *Bioresource Technology*, **2020**, 299, 122697	11	45
213	Compositional characteristics of dissolved organic matter during coal liquefaction wastewater treatment and its environmental implications. *Science of the Total Environment*, **2020**, 704, 135409	10.2	12
212	In situ enrichment of anammox bacteria in anoxic biofilms are possible due to the stable and long-term accumulation of nitrite during denitrification. *Bioresource Technology*, **2020**, 300, 122668	11	18
211	Efficient partial-denitrification/anammox (PD/A) process through gas-mixing strategy: System evaluation and microbial analysis. *Bioresource Technology*, **2020**, 300, 122675	11	22
210	Low temperature advanced nitrogen and sulfate removal from landfill leachate by nitrite-anammox and sulfate-anammox. *Environmental Pollution*, **2020**, 259, 113763	9.3	15
209	Effective nitrogen removal in a granule-based partial-denitrification/anammox reactor treating low C/N sewage. *Bioresource Technology*, **2020**, 297, 122467	11	42
208	A continuous-flow combined process based on partial nitrification-Anammox and partial denitrification-Anammox (PN/A□+□PD/A) for enhanced nitrogen removal from mature landfill leachate. *Bioresource Technology*, **2020**, 297, 122483	11	24
207	Simultaneous methanethiol and dimethyl sulfide removal in a single-stage biotrickling filter packed with polyurethane foam: Performance, parameters and microbial community analysis. *Chemosphere* , **2020**, 244, 125460	8.4	10

206	A novel SNPR process for advanced nitrogen and phosphorus removal from mainstream wastewater based on anammox, endogenous partial-denitrification and denitrifying dephosphatation. *Water Research*, **2020**, 170, 115363	12.5	44
205	Effects of polyaluminium chloride addition on community structures of polyphosphate and glycogen accumulating organisms in biological phosphorus removal (BPR) systems. *Bioresource Technology*, **2020**, 297, 122431	11	8
204	Microbial community at transcription level in the synergy of GAOs and Candidatus Accumulibacter for saving carbon source in wastewater treatment. *Bioresource Technology*, **2020**, 297, 122454	11	5
203	Mechanism of stable sewage nitrogen removal in a partial nitrification-anammox biofilm system at low temperatures: Microbial community and EPS analysis. *Bioresource Technology*, **2020**, 297, 122459	11	45
202	Effect of fulvic acid on bioreactor performance and on microbial populations within the anammox process. *Bioresource Technology*, **2020**, 318, 124094	11	17
201	Optimization of the intermittent aeration to improve the stability and flexibility of a mainstream hybrid partial nitrification-anammox system. *Chemosphere*, **2020**, 261, 127670	8.4	17
200	Insights into the effects of acetate on the community structure of Candidatus Accumulibacter in biological phosphorus removal system using DNA stable-isotope probing (DNA-SIP). *Enzyme and Microbial Technology*, **2020**, 139, 109567	3.8	4
199	The Potential of Lonidamine in Combination with Chemotherapy and Physical Therapy in Cancer Treatment. *Cancers*, **2020**, 12,	6.6	13
198	Simultaneous carbon reutilization for primary sludge and stable nitrite production in a hydrolytic acidification coupled with partial denitrification system to treat nitrate contaminant. *Bioresource Technology*, **2020**, 318, 124062	11	11
197	Improving Efficiency and Stability of Anammox through Sequentially Coupling Nitritation and Denitritation in a Single-Stage Bioreactor. *Environmental Science & Technology*, **2020**, 54, 10859-10867	10.3	18
196	Successful establishment of partial denitrification by introducing hydrolytic acidification of slowly biodegradable organic matter. *Bioresource Technology*, **2020**, 315, 123887	11	15
195	Phosphate removal by ZIF-8@MWCNT hybrids in presence of effluent organic matter: Adsorbent structure, wastewater quality, and DFT analysis. *Science of the Total Environment*, **2020**, 745, 141054	10.2	10
194	Interaction of nano-quantum dots (CdSe@ZnS) and extracellular proteins in activated sludge revealed by bio-nano science. *Environmental Science: Nano*, **2020**, 7, 2795-2808	7.1	2
193	Effect of endogenous metabolisms on survival and activities of denitrifying phosphorus removal sludge under various starvation conditions. *Bioresource Technology*, **2020**, 315, 123839	11	9
192	Rapid start-up and stable maintenance of partial nitrification-anaerobic ammonium oxidation treatment of landfill leachate at low temperatures. *Environmental Research*, **2020**, 191, 110131	7.9	11
191	Nitrite accumulation in comammox-dominated nitrification-denitrification reactors: Effects of DO concentration and hydroxylamine addition. *Journal of Hazardous Materials*, **2020**, 384, 121375	12.8	20
190	Formation of partial-denitrification (PD) granular sludge from low-strength nitrate wastewater: The influence of loading rates. *Journal of Hazardous Materials*, **2020**, 384, 121273	12.8	15
189	An improved start-up strategy for mainstream anammox process through inoculating ordinary nitrification sludge and a small amount of anammox sludge. *Journal of Hazardous Materials*, **2020**, 384, 121325	12.8	36

188	Simultaneous Ammonium oxidation denitrifying (SAD) in an innovative three-stage process for energy-efficient mature landfill leachate treatment with external sludge reduction. *Water Research*, **2020**, 169, 115156	12.5	23
187	Novel insights into integrated fermentation and nitrogen removal by free nitrous acid (FNA) serving as treatment method. *Journal of Hazardous Materials*, **2020**, 381, 120835	12.8	9
186	Biphasic effect of nitrate on anaerobic ammonium oxidation (anammox) and related kinetic modeling. *Chemosphere*, **2020**, 238, 124654	8.4	2
185	Advanced nitrogen removal of low C/N ratio sewage in an anaerobic/aerobic/anoxic process through enhanced post-endogenous denitrification. *Chemosphere*, **2020**, 252, 126624	8.4	16
184	The performance of an anaerobic ammonium oxidation upflow anaerobic sludge blanket reactor during natural periodic temperature variations. *Bioresource Technology*, **2019**, 293, 122039	11	12
183	Nutrient removal and microbial community structure variation in the two-sludge system treating low carbon/nitrogen domestic wastewater. *Bioresource Technology*, **2019**, 294, 122161	11	13
182	Hydroxylamine addition and real-time aeration control in sewage nitritation system for reduced start-up period and improved process stability. *Bioresource Technology*, **2019**, 294, 122183	11	15
181	Recent advances in nitrogen removal from landfill leachate using biological treatments - A review. *Journal of Environmental Management*, **2019**, 235, 178-185	7.9	139
180	Long-term effect of pH on denitrification: High pH benefits achieving partial-denitrification. *Bioresource Technology*, **2019**, 278, 444-449	11	63
179	Free nitrous acid pretreatment of sludge to achieve nitritation: The effect of sludge concentration. *Bioresource Technology*, **2019**, 285, 121358	11	10
178	Stable long-term operation and high nitrite accumulation of an endogenous partial-denitrification (EPD) granular sludge system under mainstream conditions at low temperature. *Bioresource Technology*, **2019**, 289, 121634	11	11
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