

Shuying Wang

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331
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351
ext. papers

13,856
ext. citations

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L-index

#	Paper	IF	Citations
331	Biological nitrogen removal from sewage via anammox: Recent advances. <i>Bioresource Technology</i> , 2016 , 200, 981-90	11	389
330	Biological nitrogen removal with nitrification and denitrification via nitrite pathway. <i>Applied Microbiology and Biotechnology</i> , 2006 , 73, 15-26	5.7	387
329	Performance and microbial community analysis of a novel DEAMOX based on partial-denitrification and anammox treating ammonia and nitrate wastewaters. <i>Water Research</i> , 2017 , 108, 46-56	12.5	250
328	Dissecting microbial community structure and methane-producing pathways of a full-scale anaerobic reactor digesting activated sludge from wastewater treatment by metagenomic sequencing. <i>Microbial Cell Factories</i> , 2015 , 14, 33	6.4	244
327	Detection of nitrifiers and evaluation of partial nitrification for wastewater treatment: A review. <i>Chemosphere</i> , 2015 , 140, 85-98	8.4	241
326	Stratification of Extracellular Polymeric Substances (EPS) for Aggregated Anammox Microorganisms. <i>Environmental Science & Technology</i> , 2017 , 51, 3260-3268	10.3	194
325	Treating low carbon/nitrogen (C/N) wastewater in simultaneous nitrification-endogenous denitrification and phosphorous removal (SNDPR) systems by strengthening anaerobic intracellular carbon storage. <i>Water Research</i> , 2015 , 77, 191-200	12.5	179
324	Nitrite accumulation under constant temperature in anoxic denitrification process: The effects of carbon sources and COD/NO(3)-N. <i>Bioresource Technology</i> , 2012 , 114, 137-43	11	177
323	Complete nitrogen removal from municipal wastewater via partial nitrification by appropriately alternating anoxic/aerobic conditions in a continuous plug-flow step feed process. <i>Water Research</i> , 2014 , 55, 95-105	12.5	156
322	Recent advances in nitrogen removal from landfill leachate using biological treatments - A review. <i>Journal of Environmental Management</i> , 2019 , 235, 178-185	7.9	139
321	Achieving Mainstream Nitrogen Removal through Coupling Anammox with Denitrification. <i>Environmental Science & Technology</i> , 2017 , 51, 8405-8413	10.3	139
320	A critical review of one-stage anammox processes for treating industrial wastewater: Optimization strategies based on key functional microorganisms. <i>Bioresource Technology</i> , 2018 , 265, 498-505	11	138
319	Quantify the contribution of anammox for enhanced nitrogen removal through metagenomic analysis and mass balance in an anoxic moving bed biofilm reactor. <i>Water Research</i> , 2019 , 160, 178-187	12.5	130
318	Anaerobic ammonium oxidation in traditional municipal wastewater treatment plants with low-strength ammonium loading: Widespread but overlooked. <i>Water Research</i> , 2015 , 84, 66-75	12.5	129
317	Partial denitrification providing nitrite: Opportunities of extending application for anammox. <i>Environment International</i> , 2019 , 131, 105001	12.9	126
316	Effect of temperature on short chain fatty acids (SCFAs) accumulation and microbiological transformation in sludge alkaline fermentation with Ca(OH) ₂ adjustment. <i>Water Research</i> , 2014 , 61, 34-45	12.5	125
315	High-throughput profiling of microbial community structures in an ANAMMOX-UASB reactor treating high-strength wastewater. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 6457-6467	5.7	122

314	Mechanisms and microbial structure of partial denitrification with high nitrite accumulation. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 2011-2021	5.7	120
313	Advanced nitrogen removal from wastewater by combining anammox with partial denitrification. <i>Bioresource Technology</i> , 2015 , 179, 497-504	11	113
312	Organic removal by denitrification and methanogenesis and nitrogen removal by nitrification from landfill leachate. <i>Water Research</i> , 2008 , 42, 883-92	12.5	112
311	Achieving partial denitrification with sludge fermentation liquid as carbon source: the effect of seeding sludge. <i>Bioresource Technology</i> , 2013 , 149, 570-4	11	107
310	Characterization of EPS compositions and microbial community in an Anammox SBBR system treating landfill leachate. <i>Bioresource Technology</i> , 2018 , 249, 108-116	11	98
309	Illumina MiSeq sequencing reveals the key microorganisms involved in partial nitrification followed by simultaneous sludge fermentation, denitrification and anammox process. <i>Bioresource Technology</i> , 2016 , 207, 118-25	11	98
308	Start-up of single-stage partial nitrification-anammox process treating low-strength swage and its restoration from nitrate accumulation. <i>Bioresource Technology</i> , 2016 , 218, 771-9	11	95
307	Metagenomic analysis of anammox communities in three different microbial aggregates. <i>Environmental Microbiology</i> , 2016 , 18, 2979-93	5.2	95
306	Advanced nitrogen removal with simultaneous Anammox and denitrification in sequencing batch reactor. <i>Bioresource Technology</i> , 2014 , 162, 316-22	11	93
305	Long-term effect of pH on short-chain fatty acids accumulation and microbial community in sludge fermentation systems. <i>Bioresource Technology</i> , 2015 , 197, 56-63	11	90
304	Combined Partial Denitrification (PD)-Anammox: A method for high nitrate wastewater treatment. <i>Environment International</i> , 2019 , 126, 707-716	12.9	88
303	Nitrite production in a partial denitrifying upflow sludge bed (USB) reactor equipped with gas automatic circulation (GAC). <i>Water Research</i> , 2016 , 90, 309-316	12.5	85
302	Volatile fatty acids (VFAs) accumulation and microbial community structure of excess sludge (ES) at different pHs. <i>Bioresource Technology</i> , 2014 , 152, 124-9	11	84
301	Suppressing Nitrite-oxidizing Bacteria Growth to Achieve Nitrogen Removal from Domestic Wastewater via Anammox Using Intermittent Aeration with Low Dissolved Oxygen. <i>Scientific Reports</i> , 2015 , 5, 13048	4.9	84
300	Start up partial nitrification at low temperature with a real-time control strategy based on blower frequency and pH. <i>Bioresource Technology</i> , 2012 , 112, 34-41	11	83
299	Effect of carbon source type on intracellular stored polymers during endogenous denitrification (ED) treating landfill leachate. <i>Water Research</i> , 2016 , 100, 405-412	12.5	81
298	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. <i>Bioresource Technology</i> , 2020 , 300, 122655	11	77
297	Adsorption and co-adsorption of tetracycline and doxycycline by one-step synthesized iron loaded sludge biochar. <i>Chemosphere</i> , 2019 , 236, 124254	8.4	76

296	Enhanced nitrogen and phosphorus removal from municipal wastewater in an anaerobic-aerobic-anoxic sequencing batch reactor with sludge fermentation products as carbon source. <i>Bioresource Technology</i> , 2017 , 244, 1158-1165	11	74
295	Tumor Energy Metabolism and Potential of 3-Bromopyruvate as an Inhibitor of Aerobic Glycolysis: Implications in Tumor Treatment. <i>Cancers</i> , 2019 , 11,	6.6	68
294	Long term effect of alkali types on waste activated sludge hydrolytic acidification and microbial community at low temperature. <i>Bioresource Technology</i> , 2016 , 200, 587-97	11	67
293	Performance of partial denitrification (PD)-ANAMMOX process in simultaneously treating nitrate and low C/N domestic wastewater at low temperature. <i>Bioresource Technology</i> , 2016 , 219, 420-429	11	67
292	Unraveling microbial structure and diversity of activated sludge in a full-scale simultaneous nitrogen and phosphorus removal plant using metagenomic sequencing. <i>Enzyme and Microbial Technology</i> , 2017 , 102, 16-25	3.8	66
291	Synergy of partial-denitrification and anammox in continuously fed upflow sludge blanket reactor for simultaneous nitrate and ammonia removal at room temperature. <i>Bioresource Technology</i> , 2019 , 274, 386-394	11	65
290	Enhancing ammonium oxidizing bacteria activity was key to single-stage partial nitrification-anammox system treating low-strength sewage under intermittent aeration condition. <i>Bioresource Technology</i> , 2017 , 231, 36-44	11	64
289	Achieving advanced nitrogen removal from low C/N wastewater by combining endogenous partial denitrification with anammox in mainstream treatment. <i>Bioresource Technology</i> , 2018 , 270, 570-579	11	64
288	Long-term effect of pH on denitrification: High pH benefits achieving partial-denitrification. <i>Bioresource Technology</i> , 2019 , 278, 444-449	11	63
287	Advanced nitrogen removal from landfill leachate via Anammox system based on Sequencing Biofilm Batch Reactor (SBBR): Effective protection of biofilm. <i>Bioresource Technology</i> , 2016 , 220, 8-16	11	63
286	Integrated anaerobic ammonium oxidization with partial denitrification process for advanced nitrogen removal from high-strength wastewater. <i>Bioresource Technology</i> , 2016 , 221, 37-46	11	62
285	Improving municipal wastewater nitrogen and phosphorous removal by feeding sludge fermentation products to sequencing batch reactor (SBR). <i>Bioresource Technology</i> , 2016 , 222, 326-334	11	62
284	Flexible Nitrite Supply Alternative for Mainstream Anammox: Advances in Enhancing Process Stability. <i>Environmental Science & Technology</i> , 2020 , 54, 6353-6364	10.3	61
283	Continuous-flow combined process of nitrification and ANAMMOX for treatment of landfill leachate. <i>Bioresource Technology</i> , 2016 , 214, 514-519	11	61
282	Efficient step-feed partial nitrification, simultaneous Anammox and denitrification (SPNAD) equipped with real-time control parameters treating raw mature landfill leachate. <i>Journal of Hazardous Materials</i> , 2019 , 364, 163-172	12.8	61
281	Microbial community evolution in partial nitrification/anammox process: From sidestream to mainstream. <i>Bioresource Technology</i> , 2018 , 251, 327-333	11	59
280	Understanding the role of extracellular polymeric substances in an enhanced biological phosphorus removal granular sludge system. <i>Bioresource Technology</i> , 2014 , 169, 307-312	11	58
279	Pathways and Organisms Involved in Ammonia Oxidation and Nitrous Oxide Emission. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 2213-2296	11.1	58

278	Short-chain fatty acids production and microbial community in sludge alkaline fermentation: Long-term effect of temperature. <i>Bioresource Technology</i> , 2016 , 211, 685-90	11	57
277	Achieving partial nitrification in a continuous post-denitrification reactor treating low C/N sewage. <i>Chemical Engineering Journal</i> , 2018 , 335, 330-337	14.7	55
276	Free nitrous acid pretreatment of wasted activated sludge to exploit internal carbon source for enhanced denitrification. <i>Bioresource Technology</i> , 2015 , 179, 20-25	11	54
275	Advanced nitrogen removal from landfill leachate using real-time controlled three-stage sequence batch reactor (SBR) system. <i>Bioresource Technology</i> , 2014 , 159, 258-65	11	51
274	Inactivation and adaptation of ammonia-oxidizing bacteria and nitrite-oxidizing bacteria when exposed to free nitrous acid. <i>Bioresource Technology</i> , 2017 , 245, 1266-1270	11	51
273	Enhancement of denitrifying phosphorus removal and microbial community of long-term operation in an anaerobic anoxic oxic-biological contact oxidation system. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 456-66	3.3	51
272	Achieve efficient nitrogen removal from real sewage in a plug-flow integrated fixed-film activated sludge (IFAS) reactor via partial nitrification/anammox pathway. <i>Bioresource Technology</i> , 2017 , 239, 294-301	11	50
271	Advanced treatment of landfill leachate using anaerobic-aerobic process: organic removal by simultaneous denitrification and methanogenesis and nitrogen removal via nitrite. <i>Bioresource Technology</i> , 2015 , 177, 337-45	11	49
270	Cooperation between partial-nitrification, complete ammonia oxidation (comammox), and anaerobic ammonia oxidation (anammox) in sludge digestion liquid for nitrogen removal. <i>Environmental Pollution</i> , 2019 , 254, 112965	9.3	49
269	Combining simultaneous nitrification-endogenous denitrification and phosphorus removal with post-denitrification for low carbon/nitrogen wastewater treatment. <i>Bioresource Technology</i> , 2016 , 220, 17-25	11	49
268	Enhanced nutrient removal in three types of step feeding process from municipal wastewater. <i>Bioresource Technology</i> , 2011 , 102, 6405-13	11	48
267	Achieving partial denitrification through control of biofilm structure during biofilm growth in denitrifying biofilter. <i>Bioresource Technology</i> , 2017 , 238, 223-231	11	47
266	Simultaneous domestic wastewater and nitrate sewage treatment by DENitrifying AMmonium OXidation (DEAMOX) in sequencing batch reactor. <i>Chemosphere</i> , 2017 , 174, 399-407	8.4	46
265	Improvement of partial nitrification endogenous denitrification and phosphorus removal system: Balancing competition between phosphorus and glycogen accumulating organisms to enhance nitrogen removal without initiating phosphorus removal deterioration. <i>Bioresource Technology</i> , 2019 , 201, 302-301	11	46
264	The inhibitory effects of free ammonia on ammonia oxidizing bacteria and nitrite oxidizing bacteria under anaerobic condition. <i>Bioresource Technology</i> , 2017 , 243, 1247-1250	11	46
263	A novel partial nitrification-synchronous anammox and endogenous partial denitrification (PN-SAEPD) process for advanced nitrogen removal from municipal wastewater at ambient temperatures. <i>Water Research</i> , 2020 , 175, 115690	12.5	45
262	Recent advances in controlling denitrification for achieving denitrification/anammox in mainstream wastewater treatment plants. <i>Bioresource Technology</i> , 2020 , 299, 122697	11	45
261	Mechanism of stable sewage nitrogen removal in a partial nitrification-anammox biofilm system at low temperatures: Microbial community and EPS analysis. <i>Bioresource Technology</i> , 2020 , 297, 122459	11	45

260	A novel SNPR process for advanced nitrogen and phosphorus removal from mainstream wastewater based on anammox, endogenous partial-denitrification and denitrifying dephosphatation. <i>Water Research</i> , 2020 , 170, 115363	12.5	44
259	Achievement of high nitrite accumulation via endogenous partial denitrification (EPD). <i>Bioresource Technology</i> , 2017 , 224, 140-146	11	43
258	High-efficient nitrogen removal from municipal wastewater via two-stage nitrification/anammox process: Long-term stability assessment and mechanism analysis. <i>Bioresource Technology</i> , 2019 , 271, 150-158	11	43
257	Integrated fixed-biofilm activated sludge reactor as a powerful tool to enrich anammox biofilm and granular sludge. <i>Chemosphere</i> , 2015 , 140, 114-8	8.4	42
256	Effective nitrogen removal in a granule-based partial-denitrification/anammox reactor treating low C/N sewage. <i>Bioresource Technology</i> , 2020 , 297, 122467	11	42
255	Rapid start-up and stable maintenance of domestic wastewater nitrification through short-term hydroxylamine addition. <i>Bioresource Technology</i> , 2019 , 278, 468-472	11	42
254	Achieving partial nitrification by inhibiting the activity of Nitrospira-like bacteria under high-DO conditions in an intermittent aeration reactor. <i>Journal of Environmental Sciences</i> , 2017 , 56, 71-78	6.4	41
253	Combining partial nitrification and post endogenous denitrification in an EBPR system for deep-level nutrient removal from low carbon/nitrogen (C/N) domestic wastewater. <i>Chemosphere</i> , 2018 , 210, 19-28	8.4	41
252	A novel partial-denitrification strategy for post-anammox to effectively remove nitrogen from landfill leachate. <i>Science of the Total Environment</i> , 2018 , 633, 745-751	10.2	40
251	Effect of low COD/N ratios on stability of single-stage partial nitrification/anammox (SPN/A) process in a long-term operation. <i>Bioresource Technology</i> , 2017 , 244, 192-197	11	40
250	Analysis of the impact of reflux ratio on coupled partial nitrification-anammox for co-treatment of mature landfill leachate and domestic wastewater. <i>Bioresource Technology</i> , 2015 , 198, 207-14	11	39
249	Effects of salinity build-up on the performance and microbial community of partial-denitrification granular sludge with high nitrite accumulation. <i>Chemosphere</i> , 2018 , 209, 53-60	8.4	39
248	Enhancement of anammox activity by addition of compatible solutes at high salinity conditions. <i>Bioresource Technology</i> , 2014 , 167, 560-3	11	38
247	Effective adsorption of cationic dyes by lignin sulfonate polymer based on simple emulsion polymerization: isotherm and kinetic studies. <i>RSC Advances</i> , 2015 , 5, 3757-3766	3.7	37
246	Advanced nitrogen removal via nitrite using stored polymers in a modified sequencing batch reactor treating landfill leachate. <i>Bioresource Technology</i> , 2015 , 192, 354-60	11	37
245	Advanced nitrogen removal from municipal wastewater via two-stage partial nitrification-simultaneous anammox and denitrification (PN-SAD) process. <i>Bioresource Technology</i> , 2020 , 304, 122955	11	36
244	Restoration of real sewage partial nitrification-anammox process from nitrate accumulation using free nitrous acid treatment. <i>Bioresource Technology</i> , 2018 , 251, 341-349	11	36
243	An improved start-up strategy for mainstream anammox process through inoculating ordinary nitrification sludge and a small amount of anammox sludge. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121325	12.8	36

242	A novel stoichiometries methodology to quantify functional microorganisms in simultaneous (partial) nitrification-endogenous denitrification and phosphorus removal (SNEDPR). <i>Water Research</i> , 2016 , 95, 319-29	12.5	35
241	Achieving nitrification at low temperatures using free ammonia inhibition on Nitrobacter and real-time control in an SBR treating landfill leachate. <i>Journal of Environmental Sciences</i> , 2015 , 30, 157-63	6.4	34
240	Nitrogen and phosphorus removal in pilot-scale anaerobic-anoxic oxidation ditch system. <i>Journal of Environmental Sciences</i> , 2008 , 20, 398-403	6.4	34
239	Nitrogen removal from medium-age landfill leachate via post-denitrification driven by PHAs and glycogen in a single sequencing batch reactor. <i>Bioresource Technology</i> , 2014 , 169, 773-777	11	33
238	High-efficient nitrogen removal from mature landfill leachate and waste activated sludge (WAS) reduction via partial nitrification and integrated fermentation-denitrification process (PNIFD). <i>Water Research</i> , 2019 , 160, 394-404	12.5	32
237	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. <i>Chemosphere</i> , 2020 , 257, 127097	8.4	32
236	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. <i>Bioresource Technology</i> , 2020 , 306, 123119	11	32
235	Synergistic Partial-Denitrification, Anammox, and in-situ Fermentation (SPDAF) Process for Advanced Nitrogen Removal from Domestic and Nitrate-Containing Wastewater. <i>Environmental Science & Technology</i> , 2020 , 54, 3702-3713	10.3	32
234	Rapid nitrite production via partial denitrification: pilot-scale operation and microbial community analysis. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 80-86	4.2	32
233	Feasibility of enhancing the DENitrifying AMmonium OXidation (DEAMOX) process for nitrogen removal by seeding partial denitrification sludge. <i>Chemosphere</i> , 2016 , 148, 403-7	8.4	32
232	Characteristic of nitrous oxide production in partial denitrification process with high nitrite accumulation. <i>Bioresource Technology</i> , 2016 , 203, 341-7	11	32
231	Enhancing sewage nitrogen removal via anammox and endogenous denitrification: Significance of anaerobic/oxic/anoxic operation mode. <i>Bioresource Technology</i> , 2019 , 289, 121665	11	31
230	Rapid enrichment of anammox bacteria linked to floc aggregates in a single-stage partial nitrification-anammox process: Providing the initial carrier and anaerobic microenvironment. <i>Water Research</i> , 2021 , 191, 116807	12.5	31
229	Autotrophic nitrogen removal in an integrated fixed-biofilm activated sludge (IFAS) reactor: Anammox bacteria enriched in the flocs have been overlooked. <i>Bioresource Technology</i> , 2019 , 288, 121512	11	30
228	NOB suppression in partial nitrification-anammox (PNA) process by discharging aged flocs: Performance and microbial community dynamics. <i>Chemosphere</i> , 2019 , 227, 26-33	8.4	30
227	Optimization of three-stage Anammox system removing nitrogen from landfill leachate. <i>Bioresource Technology</i> , 2015 , 185, 450-5	11	29
226	Dynamics of microbial activities and community structures in activated sludge under aerobic starvation. <i>Bioresource Technology</i> , 2017 , 244, 588-596	11	29
225	Achieving partial denitrification using carbon sources in domestic wastewater with waste-activated sludge as inoculum. <i>Bioresource Technology</i> , 2019 , 283, 18-27	11	28

224	Sludge population optimisation in biological nutrient removal wastewater treatment systems through on-line process control: a re/view. <i>Reviews in Environmental Science and Biotechnology</i> , 2008 , 7, 243-254	13.9	28
223	Full-scale partial nitrification/anammox (PN/A) process for treating sludge dewatering liquor from anaerobic digestion after thermal hydrolysis. <i>Bioresource Technology</i> , 2020 , 297, 122380	11	27
222	Enhancing the digestion of waste activated sludge through nitrite addition: insight on mechanism through profiles of extracellular polymeric substances (EPS) and microbial communities. <i>Journal of Hazardous Materials</i> , 2019 , 369, 164-170	12.8	27
221	Enhanced volatile fatty acids production of waste activated sludge under salinity conditions: Performance and mechanisms. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 293-8	3.3	26
220	Determine the operational boundary of a pilot-scale single-stage partial nitrification/anammox system with granular sludge. <i>Water Science and Technology</i> , 2016 , 73, 2085-92	2.2	26
219	Stable partial nitrification of domestic sewage achieved through activated sludge on exposure to nitrite. <i>Bioresource Technology</i> , 2019 , 278, 435-439	11	24
218	Recovering partial nitrification in a PN/A system during mainstream wastewater treatment by reviving AOB activity after thoroughly inhibiting AOB and NOB with free nitrous acid. <i>Environment International</i> , 2020 , 139, 105684	12.9	24
217	Progress in the Development of Control Strategies for the SBR Process. <i>Clean - Soil, Air, Water</i> , 2010 , 38, 732-749	1.6	24
216	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. <i>Bioresource Technology</i> , 2020 , 297, 122483	11	24
215	Highly enriched anammox within anoxic biofilms by reducing suspended sludge biomass in a real-sewage A/O process. <i>Water Research</i> , 2021 , 194, 116906	12.5	24
214	Performance of the anammox process treating low-strength municipal wastewater under low temperatures: Effect of undulating seasonal temperature variation. <i>Bioresource Technology</i> , 2020 , 312, 123590	11	23
213	Reducing carbon source consumption through a novel denitrification/anammox biofilter to remove nitrate from synthetic secondary effluent. <i>Bioresource Technology</i> , 2020 , 309, 123377	11	23
212	Mechanisms of nitrite addition for simultaneous sludge fermentation/nitrite removal (SFNR). <i>Water Research</i> , 2014 , 64, 13-22	12.5	23
211	Effects of alkali types on waste activated sludge (WAS) fermentation and microbial communities. <i>Chemosphere</i> , 2017 , 186, 864-872	8.4	23
210	The effect of salinity on waste activated sludge alkaline fermentation and kinetic analysis. <i>Journal of Environmental Sciences</i> , 2016 , 43, 80-90	6.4	23
209	Simultaneous Ammonium oxidation denitrifying (SAD) in an innovative three-stage process for energy-efficient mature landfill leachate treatment with external sludge reduction. <i>Water Research</i> , 2020 , 169, 115156	12.5	23
208	Enhanced nitrogen removal from nitrate-rich mature leachate via partial denitrification (PD)-anammox under real-time control. <i>Bioresource Technology</i> , 2019 , 289, 121615	11	22
207	Low energy treatment of landfill leachate using simultaneous partial nitrification and partial denitrification with anaerobic ammonia oxidation. <i>Environment International</i> , 2019 , 127, 452-461	12.9	22

206	The effect of poly- β -hydroxyalkanoates degradation rate on nitrous oxide production in a denitrifying phosphorus removal system. <i>Bioresource Technology</i> , 2014 , 170, 175-182	11	22
205	Efficient partial-denitrification/anammox (PD/A) process through gas-mixing strategy: System evaluation and microbial analysis. <i>Bioresource Technology</i> , 2020 , 300, 122675	11	22
204	Simultaneous partial nitrification and denitrification coupled with polished anammox for advanced nitrogen removal from low C/N domestic wastewater at low dissolved oxygen conditions. <i>Bioresource Technology</i> , 2020 , 305, 123045	11	21
203	Rapid start-up of partial nitrification and simultaneously phosphorus removal (PNSPR) granular sludge reactor treating low-strength domestic sewage. <i>Bioresource Technology</i> , 2017 , 243, 660-666	11	21
202	Mechanism of Activated Sludge Floc Disintegration Induced by Excess Addition of NaCl. <i>Clean - Soil, Air, Water</i> , 2015 , 43, 1197-1206	1.6	21
201	Achieving the nitrite pathway using FA inhibition and process control in UASB-SBR system removing nitrogen from landfill leachate. <i>Science China Chemistry</i> , 2010 , 53, 1210-1216	7.9	21
200	A novel protocol for model calibration in biological wastewater treatment. <i>Scientific Reports</i> , 2015 , 5, 8493	4.9	20
199	The specific role of O-methylguanine-DNA methyltransferase inhibitors in cancer chemotherapy. <i>Future Medicinal Chemistry</i> , 2018 , 10, 1971-1996	4.1	20
198	Impact of partial nitrification degree and C/N ratio on simultaneous Sludge Fermentation, Denitrification and Anammox process. <i>Bioresource Technology</i> , 2016 , 219, 411-419	11	20
197	Nitrite accumulation in comammox-dominated nitrification-denitrification reactors: Effects of DO concentration and hydroxylamine addition. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121375	12.8	20
196	Prediction on the mutagenicity of nitroaromatic compounds using quantum chemistry descriptors based QSAR and machine learning derived classification methods. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 186, 109822	7	19
195	Effect of salinity on NO production during shortcut biological nitrogen removal from landfill leachate. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 582-90	3.3	19
194	Enhanced simultaneous nitrogen and phosphorus removal from low COD/TIN domestic wastewater through nitrification-denitrification coupling improved anammox process with an optimal Anaerobic/Oxic/Anoxic strategy. <i>Bioresource Technology</i> , 2021 , 322, 124526	11	19
193	In situ enrichment of anammox bacteria in anoxic biofilms are possible due to the stable and long-term accumulation of nitrite during denitrification. <i>Bioresource Technology</i> , 2020 , 300, 122668	11	18
192	Improving Efficiency and Stability of Anammox through Sequentially Coupling Nitrification and Denitrification in a Single-Stage Bioreactor. <i>Environmental Science & Technology</i> , 2020 , 54, 10859-10867	10.3	18
191	Nitrogen removal from wastewater and external waste activated sludge reutilization/reduction by simultaneous sludge fermentation, denitrification and anammox (SFDA). <i>Bioresource Technology</i> , 2016 , 214, 284-291	11	18
190	Mechanisms and characteristics of biofilm formation via novel DEAMOX system based on sequencing biofilm batch reactor. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 206-212	3.3	18
189	Removal of organic contaminant by municipal sewage sludge-derived hydrochar: kinetics, thermodynamics and mechanisms. <i>Water Science and Technology</i> , 2018 , 78, 947-956	2.2	18

188	Interaction of "Candidatus Accumulibacter" and nitrifying bacteria to achieve energy-efficient denitrifying phosphorus removal via nitrite pathway from sewage. <i>Enzyme and Microbial Technology</i> , 2017 , 105, 1-8	3.8	17
187	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. <i>Bioresource Technology</i> , 2020 , 313, 123698	11	17
186	Fate of dissolved organic nitrogen during the Anammox process using ultra-high resolution mass spectrometry. <i>Environment International</i> , 2019 , 131, 105042	12.9	17
185	Effect of fulvic acid on bioreactor performance and on microbial populations within the anammox process. <i>Bioresource Technology</i> , 2020 , 318, 124094	11	17
184	Optimization of the intermittent aeration to improve the stability and flexibility of a mainstream hybrid partial nitrification-anammox system. <i>Chemosphere</i> , 2020 , 261, 127670	8.4	17
183	Volatile Fatty Acid Accumulation by Alkaline Control Strategy in Anaerobic Fermentation of Primary Sludge. <i>Environmental Engineering Science</i> , 2017 , 34, 703-710	2	16
182	Characteristics of sludge granulation and EPS production in development of stable partial nitrification. <i>Bioresource Technology</i> , 2020 , 303, 122937	11	16
181	Understanding the granulation of partial denitrification sludge for nitrite production. <i>Chemosphere</i> , 2019 , 236, 124389	8.4	16
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178	Advanced nitrogen removal of low C/N ratio sewage in an anaerobic/aerobic/anoxic process through enhanced post-endogenous denitrification. <i>Chemosphere</i> , 2020 , 252, 126624	8.4	16
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126	Effect of endogenous metabolisms on survival and activities of denitrifying phosphorus removal sludge under various starvation conditions. <i>Bioresource Technology</i> , 2020 , 315, 123839	11	9
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109	Culturing sludge fermentation liquid-driven partial denitrification in two-stage Anammox process to realize advanced nitrogen removal from mature landfill leachate. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125568	12.8	7
108	Pilot-scale evaluation of partial denitrification/anammox on nitrogen removal from low COD/N real sewage based on a modified process. <i>Bioresource Technology</i> , 2021 , 338, 125580	11	7
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77	Rapid start-up strategy of partial denitrification and microbially driven mechanism of nitrite accumulation mediated by dissolved organic matter. <i>Bioresource Technology</i> , 2021 , 340, 125663	11	4
76	Stable nitritation of mature landfill leachate via in-situ selective inhibition by free nitrous acid. <i>Bioresource Technology</i> , 2021 , 340, 125647	11	4
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67	Detailed composition evolution of food waste in an intermittent self-agitation anaerobic digestion baffled reactor. <i>Bioresource Technology</i> , 2021 , 320, 124342	11	3
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64	Chemometric QSAR modeling of acute oral toxicity of Polycyclic Aromatic Hydrocarbons (PAHs) to rat using simple 2D descriptors and interspecies toxicity modeling with mouse. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 222, 112525	7	3
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57	Effect of short-term atrazine addition on the performance of an anaerobic/anoxic/oxic process. <i>Frontiers of Environmental Science and Engineering in China</i> , 2010 , 4, 150-156		2
56	Influence of carbon source and temperature on the denitrifying phosphorus removal process. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007 , 1, 226-232		2
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53	Realization of partial nitrification and in-situ anammox in continuous-flow anaerobic/aerobic/anoxic process with side-stream sludge fermentation for real sewage.. <i>Bioresource Technology</i> , 2021 , 346, 126520	11	2
52	Advanced nitrogen elimination from domestic sewage through two stage partial nitrification and denitrification (PND) coupled with simultaneous anaerobic ammonia oxidation and denitrification (SAD). <i>Bioresource Technology</i> , 2022 , 343, 125986	11	2
51	Mainstream double-anammox driven by nitritation and denitrification using a one-stage step-feed bioreactor with real municipal wastewater. <i>Bioresource Technology</i> , 2022 , 343, 126132	11	2
50	Interaction of nano-quantum dots (CdSe@ZnS) and extracellular proteins in activated sludge revealed by bio-nano science. <i>Environmental Science: Nano</i> , 2020 , 7, 2795-2808	7.1	2
49	Phosphorus recovery from waste activated sludge by sponge iron seeded crystallization of vivianite and process optimization with response surface methodology. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 58375-58386	5.1	2
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47	Biphasic effect of nitrate on anaerobic ammonium oxidation (anammox) and related kinetic modeling. <i>Chemosphere</i> , 2020 , 238, 124654	8.4	2
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42	Enhancing the treatment performance of partial denitrification/Anammox process at high nitrogen load: Effects of immobilized strain HFQ8on the sludge characteristics. <i>Bioresource Technology</i> , 2021 , 341, 125870	11	2
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38	Chloroform Dechlorination in Aqueous Solution on Palladium-Nickel/Polymeric Pyrrole Film Modified Titanium Electrode 2009 ,		1
37	Factors influencing the start-up and stability of partial nitrification in a continuous flow reactor 2011 ,		1
36	Effect of Puccinellia Tenuiflora Growth on Nitrogen Content of Alkalized Soil in Song-Nen Plain 2008 ,		1
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