

# Novel microbial nitrogen removal processes

Biotechnology Advances

22, 519-532

DOI: [10.1016/j.biotechadv.2004.04.003](https://doi.org/10.1016/j.biotechadv.2004.04.003)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Biotechnologyâ€™ a sustainable alternative for chemical industry. <i>Biotechnology Advances</i> , 2005, 23, 471-499.	6.0	541
2	Decomposition of high protein aquaculture feed under variable oxic conditions. <i>Water Research</i> , 2006, 40, 1341-1350.	5.3	17
3	Nitrogen removal from on-site treated anaerobic effluents using intermittently aerated moving bed biofilm reactors at low temperatures. <i>Water Research</i> , 2006, 40, 1607-1615.	5.3	114
4	Piggery wastewater treatment using <i>Alcaligenes faecalis</i> strain No. 4 with heterotrophic nitrification and aerobic denitrification. <i>Water Research</i> , 2006, 40, 3029-3036.	5.3	159
5	Pilot study for the potential application of a shortcut nitrification and denitrification process in landfill leachate treatment with MBR. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 147-154.	1.0	15
6	Anaerobic Processes as the Core Technology for Sustainable Domestic Wastewater Treatment: Consolidated Applications, New Trends, Perspectives, and Challenges. <i>Reviews in Environmental Science and Biotechnology</i> , 2006, 5, 3-19.	3.9	145
7	Biological nitrogen removal with nitrification and denitrification via nitrite pathway. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 15-26.	1.7	465
8	Nitrate removal in a packed bed reactor using volatile fatty acids from anaerobic acidogenesis of food wastes. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 538-543.	1.4	35
9	Nitrogen Removal from Dairy Waste Using Deammonification Fueled by Fermented Dairy Manure. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 8055-8073.	0.0	1
10	Denitrification with methane as external carbon source. <i>Water Research</i> , 2007, 41, 2726-2738.	5.3	225
11	Feasibility of a membrane-aerated biofilm reactor to achieve single-stage autotrophic nitrogen removal based on Anammox. <i>Chemosphere</i> , 2007, 69, 776-784.	4.2	109
12	Partial nitrification of ammonium-rich wastewater as pretreatment for anaerobic ammonium oxidation (Anammox) using membrane aeration bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 182-187.	1.1	50
13	Denitrification of high strength nitrate waste. <i>Bioresource Technology</i> , 2007, 98, 247-252.	4.8	77
14	Presence and activity of anammox and denitrification process in low ammonium-fed bioreactors. <i>Bioresource Technology</i> , 2007, 98, 2201-2206.	4.8	47
15	Assessment of partial nitrification reactor performance through microbial population shift using quinone profile, FISH and SEM. <i>Bioresource Technology</i> , 2007, 98, 3602-3610.	4.8	53
16	Anaerobic ammonia removal in presence of organic matter: A novel route. <i>Journal of Hazardous Materials</i> , 2007, 149, 49-59.	6.5	75
17	Control factors of partial nitrification for landfill leachate treatment. <i>Journal of Environmental Sciences</i> , 2007, 19, 523-529.	3.2	53
18	Protective Effect of Immobilized Ammonia Oxidizers and Phenolâ€ˆdegrading Bacteria on Nitrification in Ammoniaâ€ˆ and Phenolâ€ˆcontaining Wastewater. <i>Engineering in Life Sciences</i> , 2007, 7, 587-592.	2.0	27

#	ARTICLE	IF	CITATIONS
19	Partial nitrification's operational parameters and microorganisms involved. <i>Reviews in Environmental Science and Biotechnology</i> , 2007, 6, 285-313.	3.9	148
20	Aerated membrane-attached biofilm reactor as an effective tool for partial nitrification in pretreatment of anaerobic ammonium oxidation (ANAMMOX) process. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 6-11.	1.6	8
21	Enhanced anammox consortium activity for nitrogen removal: Impacts of static magnetic field. <i>Journal of Biotechnology</i> , 2008, 138, 96-102.	1.9	124
22	Comparison study of the effects of temperature and free ammonia concentration on nitrification and nitrite accumulation. <i>Process Biochemistry</i> , 2008, 43, 154-160.	1.8	140
23	Landfill leachate treatment with a novel process: Anaerobic ammonium oxidation (Anammox) combined with soil infiltration system. <i>Journal of Hazardous Materials</i> , 2008, 151, 202-212.	6.5	117
24	The integration of methanogenesis with shortcut nitrification and denitrification in a combined UASB with MBR. <i>Bioresource Technology</i> , 2008, 99, 3714-3720.	4.8	40
25	Nutrient removal from slaughterhouse wastewater in an intermittently aerated sequencing batch reactor. <i>Bioresource Technology</i> , 2008, 99, 7644-7650.	4.8	51
26	Biological Removal of Nitrogen from Wastewater. <i>Reviews of Environmental Contamination and Toxicology</i> , 2008, 192, 159-195.	0.7	230
28	Influence of dissolved oxygen concentration and aeration time on nitrite accumulation in partial nitrification process. <i>International Journal of Environmental Science and Technology</i> , 2008, 5, 527-534.	1.8	20
29	Effects of dissolved oxygen on biological nitrogen removal in integrated fixed film activated sludge (IFAS) wastewater treatment process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 518-527.	0.9	31
30	Model Prediction of Completely Autotrophic Nitrogen Removal under Different Reactor Configurations. <i>Proceedings of the Water Environment Federation</i> , 2008, 2008, 3082-3100.	0.0	0
31	Evaluating the Impact of Nitrite Concentration on Anaerobic Ammonia Oxidation. <i>Proceedings of the Water Environment Federation</i> , 2008, 2008, 6349-6361.	0.0	0
32	Combined activated sludge with partial nitrification (AS/PN) and anammox processes for treatment of seafood processing wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 1198-1208.	0.9	14
33	Biological Denitrogen in Floating Media Deep Bed Filtration Process. , 2009, , .		0
34	Investigations of Nitrogen Removal Pathways in a Biological Packed Bed Reactor Using Elementary Mass Balances. <i>Proceedings of the Water Environment Federation</i> , 2009, 2009, 117-135.	0.0	2
35	Heterotrophic ammonium removal characteristics of an aerobic heterotrophic nitrifying-denitrifying bacterium, <i>Providencia rettgeri</i> YL. <i>Journal of Environmental Sciences</i> , 2009, 21, 1336-1341.	3.2	92
36	N-removal performance and underlying bacterial taxa of upflow filter bioreactor system under different dissolved oxygen and internal recycle conditions. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 809-818.	1.7	4
37	The characteristics of enriched nitrifier culture in the degradation of selected pharmaceutically active compounds. <i>Journal of Hazardous Materials</i> , 2009, 171, 1051-1057.	6.5	199

#	ARTICLE	IF	CITATIONS
38	A unified model of ammonium oxidation rate at various initial ammonium strength and active ammonium oxidizer concentrations. <i>Bioresource Technology</i> , 2009, 100, 2118-2123.	4.8	13
39	Effective and robust partial nitrification to nitrite by real-time aeration duration control in an SBR treating domestic wastewater. <i>Process Biochemistry</i> , 2009, 44, 979-985.	1.8	86
40	High-strength nitrogenous wastewater treatment in biofilm and granule anammox processes. <i>Water Science and Technology</i> , 2009, 60, 2365-2371.	1.2	5
41	Immobilization of nitrifying bacterial consortia on wood particles for bioaugmenting nitrification in shrimp culture systems. <i>Aquaculture</i> , 2009, 294, 65-75.	1.7	38
42	An upflow fixed-bed anaerobic-aerobic reactor for removal of organic matter and nitrogen from L-lysine plant wastewater. A paper submitted to the <i>Journal of Environmental Engineering and Science.. Canadian Journal of Civil Engineering</i> , 2009, 36, 1085-1094.	0.7	11
43	Environmental Technologies to Treat Nitrogen Pollution. <i>Water Intelligence Online</i> , 2009, 8, .	0.3	23
44	Phylogenetic and functional marker genes to study ammonia-oxidizing microorganisms (AOM) in the environment. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 425-440.	1.7	144
45	Co-existence of anammox and denitrification for simultaneous nitrogen and carbon removal. Strategies and issues. <i>Journal of Hazardous Materials</i> , 2010, 178, 1-9.	6.5	279
46	Composite denitrification reagent for high concentration ammonia removal by air stripping. <i>Science Bulletin</i> , 2010, 55, 2657-2661.	1.7	11
47	Removal of nitrogen in wastewater by polyvinyl alcohol (PVA)-immobilization of effective microorganisms. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 193-197.	1.2	30
48	Optimal strategies of fill and aeration in a sequencing batch reactor for biological nitrogen and carbon removal. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 925-929.	1.2	9
49	An autotrophic nitrogen removal process: Short-cut nitrification combined with ANAMMOX for treating diluted effluent from an UASB reactor fed by landfill leachate. <i>Journal of Environmental Sciences</i> , 2010, 22, 777-783.	3.2	38
50	Automatic biodetector of water toxicity (ABTOW) as a tool for examination of phenol and cyanide contaminated water. <i>Chemosphere</i> , 2010, 81, 767-772.	4.2	11
51	Development of microbial fuel cell with anoxic/oxic design for treatment of saline seafood wastewater and biological electricity generation. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1077-1083.	1.6	43
52	Effects of Free Ammonia on Partial Nitrification under Different Conditions. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	2
53	Short-term effect of ammonia concentration and salinity on activity of ammonia oxidizing bacteria. <i>Water Science and Technology</i> , 2010, 61, 3008-3016.	1.2	20
54	Partial nitrification of non-ammonium-rich wastewater within biofilm filters under ambient temperature. <i>Water Science and Technology</i> , 2010, 62, 1518-1525.	1.2	3
55	The effect of pH on N <sub>2</sub> O production under aerobic conditions in a partial nitritation system. <i>Water Research</i> , 2011, 45, 5934-5944.	5.3	152

#	ARTICLE	IF	CITATIONS
56	O processo ANAMMOX como alternativa para tratamento de Águas residuÁrias, contendo alta concentraÃ§Ã£o de nitrogÃªnio. Revista Brasileira De Engenharia Agrícola E Ambiental, 2011, 15, 1289-1297.	0.4	5
57	Autotrophic denitrification for nitrate and nitrite removal using sulfur-limestone. Journal of Environmental Sciences, 2011, 23, 1761-1769.	3.2	112
58	Presence and detection of anaerobic ammonium-oxidizing (anammox) bacteria and appraisal of anammox process for high-strength nitrogenous wastewater treatment: a review. Clean Technologies and Environmental Policy, 2011, 13, 759-781.	2.1	64
59	Granulation of Simultaneous Partial Nitrification and Anammox Biomass in One Single SBR System. Applied Biochemistry and Biotechnology, 2011, 163, 1053-1065.	1.4	28
60	Isolation and nitrogen removal characteristics of an aerobic heterotrophic nitrifying&quot;denitrifying bacterium, Bacillus subtilis A1. Bioresource Technology, 2011, 102, 854-862.	4.8	232
61	High-rate partial nitrification treatment of reject water as a pretreatment for anaerobic ammonium oxidation (anammox). Bioresource Technology, 2011, 102, 3761-3767.	4.8	62
62	Regulation and control of the SBR process treating low strength domestic wastewater. , 2011, , .		0
63	Partial Nitrification to Nitrite with Real-Time Aeration Duration Control in an SBR Treating Domestic Wastewater. Advanced Materials Research, 2011, 356-360, 1046-1049.	0.3	1
64	Influence of Aeration on Nitrogen Removal in a Submerged Biological Aerated Filter for Residuals Removal. Proceedings of the Water Environment Federation, 2011, 2011, 767-780.	0.0	1
65	Biological treatment of nitrogen-rich refinery wastewater by partial nitritation (SHARON) process. Environmental Technology (United Kingdom), 2012, 33, 1477-1483.	1.2	24
66	Isolation and Characterization of Denitrifying Bacterium <i>Pseudomonas mendocina</i> aHD7 with Anaerobic Ammonium Oxidization. Applied Mechanics and Materials, 2012, 178-181, 699-703.	0.2	0
67	Extremum seeking control of the CANON process - existence of sub-optimal stationary solutions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 19-26.	0.4	2
68	WRRF 10-06: Challenge Projects on Low Energy Treatment Schemes for Water Reuse. Proceedings of the Water Environment Federation, 2012, 2012, 5204-5213.	0.0	1
69	Study on the Application of Anammox Process Using Polyester Non-woven Biomass Carrier Reactor (PNBCR) for Latex Processing Wastewater Treatment. Journal of Water and Environment Technology, 2012, 10, 217-227.	0.3	4
70	Autotrophic Ammonia Removal Processes: Ecology to Technology. Critical Reviews in Environmental Science and Technology, 2012, 42, 1353-1418.	6.6	81
71	Nitrogen management in landfill leachate: Application of SHARON, ANAMMOX and combined SHARON&quot;ANAMMOX process. Waste Management, 2012, 32, 2385-2400.	3.7	143
72	Organic and nitrogen removal from landfill leachate in aerobic granular sludge sequencing batch reactors. Waste Management, 2012, 32, 448-455.	3.7	94
73	Autotrophic nitrogen removal from ammonium at low applied voltage in a single-compartment microbial electrolysis cell. Bioresource Technology, 2012, 116, 271-277.	4.8	84

#	ARTICLE	IF	CITATIONS
74	Impact of aeration conditions on the removal of low concentrations of nitrogen in a tertiary partially aerated biological filter. <i>Ecological Engineering</i> , 2012, 44, 44-52.	1.6	48
75	Isolation and Characterization of Heterotrophic Nitrifying Strain W1. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 995-1002.	1.7	11
76	Screening and characterization of an aerobic nitrifying-denitrifying bacterium from activated sludge. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 353-360.	1.4	12
77	Modeling of partial nitrification and denitrification in an SBR for leachate treatment without carbon addition. <i>Journal of Material Cycles and Waste Management</i> , 2012, 14, 3-13.	1.6	3
78	The characteristics of a novel heterotrophic nitrification-aerobic denitrification bacterium, <i>Bacillus methylophilus</i> strain L7. <i>Bioresource Technology</i> , 2012, 108, 35-44.	4.8	328
79	Application of a molecular based approach for the early detection of short term 3-chloroaniline shock loads on activated sludge bacterial community and functionality. <i>New Biotechnology</i> , 2013, 30, 763-771.	2.4	5
81	Nitrogen Removal from Wastewater by Coupling Anammox and Methane-Dependent Denitrification in a Membrane Biofilm Reactor. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11577-11583.	4.6	214
82	Removal and degradation characteristics of quinolone antibiotics in laboratory-scale activated sludge reactors under aerobic, nitrifying and anoxic conditions. <i>Journal of Environmental Management</i> , 2013, 120, 75-83.	3.8	127
83	Complex conversion of the redox pair $\text{Co}^{III} \rightleftharpoons \text{Co}^{II}$ : Synthesis, crystal structure and DNA-binding of trans,trans,trans-[Co(py) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ]. <i>Polyhedron</i> , 2013, 53, 179-186.	1.0	8
84	Analysis of Electro-Oxidation Suitability for Landfill Leachate Treatment through an Experimental Study. <i>Sustainability</i> , 2013, 5, 3960-3975.	1.6	25
85	Partial nitrification in a membrane-aerated biofilm reactor with composite PEBA/PVDF hollow fibers. <i>Desalination and Water Treatment</i> , 2013, 51, 5275-5282.	1.0	7
86	An upflow fixed-bed anaerobic-aerobic reactor for removal of organic matter and nitrogen from L-lysine plant wastewater. <i>Journal of Environmental Engineering and Science</i> , 2013, 8, 303-312.	0.3	1
87	Southeast Asian Water Environment 5. <i>Water Intelligence Online</i> , 0, 12, .	0.3	1
88	Nitrogen Removal with Nitrification and Denitrification via Nitrite. <i>Advanced Materials Research</i> , 0, 908, 175-178.	0.3	3
89	Operational strategy for nitrogen removal from centrate in a two-stage partial nitrification-anammox process. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1110-1120.	1.2	24
90	Nitrogen removal from wastewater through microbial electrolysis cells and cation exchange membrane. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2014, 12, 48.	1.4	19
91	Extremum seeking control of the CANON process-Existence of multiple stationary solutions. <i>Journal of Process Control</i> , 2014, 24, 348-356.	1.7	10
92	Use of aerobic granules for treating synthetic high-strength ammonium wastewaters. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1785-1790.	1.2	16

#	ARTICLE	IF	CITATIONS
93	Ammonia loading rate: an effective variable to control partial nitrification and generate the anaerobic ammonium oxidation influent. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 523-531.	1.2	12
94	Modeling of Simultaneous Anaerobic Methane and Ammonium Oxidation in a Membrane Biofilm Reactor. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9540-9547.	4.6	80
95	Autotrophic nitrogen removal process in a potable water treatment biofilter that simultaneously removes Mn and NH <sub>4</sub> <sup>+</sup> -N. <i>Bioresource Technology</i> , 2014, 172, 226-231.	4.8	25
96	Anaerobic baffled reactor coupled with chemical precipitation for treatment and toxicity reduction of industrial wastewater. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 154-162.	1.2	8
97	The characteristics of a novel heterotrophic nitrifying and aerobic denitrifying bacterium, <i>Acinetobacter junii</i> YB. <i>Bioresource Technology</i> , 2014, 171, 1-9.	4.8	236
98	Anodic ammonia oxidation to nitrogen gas catalyzed by mixed biofilms in bioelectrochemical systems. <i>Electrochimica Acta</i> , 2014, 135, 345-350.	2.6	58
99	Ammonium removal by a novel heterotrophic nitrifying and aerobic denitrifying bacterium <i>Pseudomonas stutzeri</i> KTB from wastewater. <i>Water Quality Research Journal of Canada</i> , 2015, 50, 219-227.	1.2	4
100	Characteristics of Biological Nitrogen Removal in a Multiple Anoxic and Aerobic Biological Nutrient Removal Process. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	5
101	Composition of extracellular polymeric substances in a partial nitrification reactor treating high ammonia wastewater and nitrous oxide emission. <i>Bioresource Technology</i> , 2015, 190, 474-479.	4.8	37
102	Nitrogen removal characteristics of a heterotrophic nitrifier <i>Acinetobacter junii</i> YB and its potential application for the treatment of high-strength nitrogenous wastewater. <i>Bioresource Technology</i> , 2015, 193, 227-233.	4.8	121
103	Using immobilized cyanobacteria and culture medium contaminated with ammonium for H <sub>2</sub> production in a hollow-fiber photobioreactor. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4752-4757.	3.8	11
104	Partial nitrification of nitrogen-rich refinery wastewater (sour water) with different C <sub>org</sub> /N molar ratios. <i>Desalination and Water Treatment</i> , 2015, 55, 791-798.	1.0	4
105	Effect of Nitrogen Concentration on the Performance of Single-Chamber Microbial Fuel Cells. <i>Energy Procedia</i> , 2015, 79, 620-623.	1.8	2
106	Removal of nitrogen by heterotrophic nitrification and aerobic denitrification of a phosphate accumulating bacterium <i>Pseudomonas stutzeri</i> YG-24. <i>Bioresource Technology</i> , 2015, 182, 18-25.	4.8	217
107	Heterotrophic nitrification and aerobic denitrification by a novel groundwater origin cold-adapted bacterium at low temperatures. <i>RSC Advances</i> , 2015, 5, 5149-5157.	1.7	44
108	Effects of constant pH and unsteady pH at different free ammonia concentrations on shortcut nitrification for landfill leachate treatment. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3707-3713.	1.7	23
109	Study of the sludge reduction in anoxic-settling-anaerobic activated sludge process based on UNITANK. <i>Water Science and Technology</i> , 2015, 71, 111-116.	1.2	4
110	Efficient biological nitrogen removal by Johannesburg-Sulfur autotrophic denitrification from low COD/TN ratio municipal wastewater at low temperature. <i>Environmental Earth Sciences</i> , 2015, 73, 5027-5035.	1.3	19

#	ARTICLE	IF	CITATIONS
111	Modelling microbial population dynamics in multispecies biofilms including Anammox bacteria. <i>Ecological Modelling</i> , 2015, 304, 44-58.	1.2	26
112	Operation and dynamic modeling of a novel integrated anaerobic-aerobic-anoxic reactor for sewage treatment. <i>Chemical Engineering Science</i> , 2015, 138, 31-40.	1.9	6
113	A new approach to simultaneous ammonium and dissolved methane removal from anaerobic digestion liquor: A model-based investigation of feasibility. <i>Water Research</i> , 2015, 85, 295-303.	5.3	68
114	Effect of temperature, salinity, heavy metals, ammonium concentration, pH and dissolved oxygen on ammonium removal by an aerobic nitrifier. <i>RSC Advances</i> , 2015, 5, 79988-79996.	1.7	32
115	Direct and indirect effects of oxygen limitation on nitrification process applied to reject water treatment. <i>Desalination and Water Treatment</i> , 2015, 56, 598-607.	1.0	6
116	Biological treatment of high NH <sub>4</sub> -N wastewater using an ammonia-tolerant photosynthetic bacteria strain (ISASWR2014). <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 1712-1715.	1.7	20
117	Differentiation in the microbial ecology and activity of suspended and attached bacteria in a nitrification-anammox process. <i>Biotechnology and Bioengineering</i> , 2015, 112, 272-279.	1.7	74
118	Perspectives on Biological Treatment of Tannery Effluent. <i>Advances in Recycling &amp; Waste Management</i> , 2016, 01, .	0.4	5
119	Achieving complete nitrogen removal by coupling nitrification-anammox and methane-dependent denitrification: A model-based study. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1035-1045.	1.7	34
120	Searching for indigenous anaerobic ammonium oxidizing (anammox) bacteria in South African habitats: Pretoria region. <i>Biotechnology and Biotechnological Equipment</i> , 2016, 30, 1097-1105.	0.5	0
121	Ammonium reduction kinetics in drinking water by newly isolated <i>Acinetobacter</i> sp. HITLi 7 at low temperatures. <i>Desalination and Water Treatment</i> , 2016, 57, 11275-11282.	1.0	12
122	Efficient nitrogen removal by simultaneous photoelectrocatalytic oxidation and electrochemically active biofilm denitrification. <i>Electrochimica Acta</i> , 2016, 198, 165-173.	2.6	13
123	Removal of nitrogen by heterotrophic nitrification-aerobic denitrification of a novel metal resistant bacterium <i>Cupriavidus</i> sp. S1. <i>Bioresource Technology</i> , 2016, 220, 142-150.	4.8	141
124	Mathematical simulating the process of aerobic granular sludge treating high carbon and nitrogen concentration wastewater. <i>Chemical Engineering Journal</i> , 2016, 306, 676-684.	6.6	22
125	Advances in the Treatment of Pulp and Paper Mill Wastewater. , 2016, , 47-72.		0
126	The long-term effects of wall attached microalgal biofilm on algae-based wastewater treatment. <i>Bioresource Technology</i> , 2016, 218, 1249-1252.	4.8	35
127	Influence of light intensity on bacterial nitrifying activity in algal-bacterial photobioreactors and its implications for microalgae-based wastewater treatment. <i>International Biodeterioration and Biodegradation</i> , 2016, 114, 116-121.	1.9	88
128	The application of multi-objective optimization method for activated sludge process: a review. <i>Water Science and Technology</i> , 2016, 73, 223-235.	1.2	33



#	ARTICLE	IF	CITATIONS
129	Rapid achievement of nitrification in CSTR and SBR treating reject water at high ammonia levels. <i>Desalination and Water Treatment</i> , 2016, 57, 15958-15969.	1.0	6
130	Influence of aeration rate on shortcut nitrification in an SBR treating anaerobic-digested piggery wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 17255-17261.	1.0	2
131	Nitrogen removal from old landfill leachate with SNAP technology using biofix as a biomass carrier. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 188-195.	1.1	6
132	Isolation and characterization of three heterotrophic nitrifying-aerobic denitrifying bacteria from a sequencing batch reactor. <i>Annals of Microbiology</i> , 2016, 66, 737-747.	1.1	39
133	Biological nitrogen removal in a modified anoxic/oxic process for piggery wastewater treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 11266-11274.	1.0	9
134	Simultaneous bisphenol F degradation, heterotrophic nitrification and aerobic denitrification by a bacterial consortium. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 854-860.	1.6	22
135	Characterization of a microbial consortium capable of heterotrophic nitrifying under wide C/N range and its potential application in phenolic and coking wastewater. <i>Biochemical Engineering Journal</i> , 2017, 120, 33-40.	1.8	29
136	Enrichment culture of denitrifying phosphorus removal sludge and its microbial community analysis. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2800-2810.	1.2	14
137	Hollow fiber membrane bioreactor affects microbial community and morphology of the DAMO and Anammox co-culture system. <i>Bioresource Technology</i> , 2017, 232, 247-253.	4.8	48
138	Aerobic and heterotrophic nitrogen removal by <i>Enterobacter cloacae</i> CF-S27 with efficient utilization of hydroxylamine. <i>Bioresource Technology</i> , 2017, 232, 285-296.	4.8	70
139	Weak magnetic field: A powerful strategy to enhance partial nitrification. <i>Water Research</i> , 2017, 120, 190-198.	5.3	79
140	Mainstream Deammonification: Preliminary Experience Employing Granular AOB-Enriched Biomass at Low DO Values. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	5
141	Assessment of the endogenous respiration rate and the observed biomass yield for methanol-fed denitrifying bacteria under anoxic and aerobic conditions. <i>Water Science and Technology</i> , 2017, 75, 48-56.	1.2	5
142	Effects of phenol on physicochemical properties and treatment performances of partial nitrifying granules in sequencing batch reactors. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2017, 13, 13-18.	2.1	15
143	Characterization of novel <i>Bacillus</i> strain N31 from mariculture water capable of halophilic heterotrophic nitrification-aerobic denitrification. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 564-571.	1.1	122
144	Methods of ammonia removal in anaerobic digestion: a review. <i>Water Science and Technology</i> , 2017, 76, 1925-1938.	1.2	107
145	Pilot-scale investigation on the treatment of cellulosic ethanol biorefinery wastewater. <i>Chemical Engineering Journal</i> , 2017, 309, 409-416.	6.6	18
146	Removal of nitrogen and phosphorus by heterotrophic nitrification-aerobic denitrification of a denitrifying phosphorus-accumulating bacterium <i>Enterobacter cloacae</i> HW-15. <i>Ecological Engineering</i> , 2017, 99, 199-208.	1.6	94

#	ARTICLE	IF	CITATIONS
147	Novel and Conventional Technologies for Landfill Leachates Treatment: A Review. <i>Sustainability</i> , 2017, 9, 9.	1.6	127
148	Heterotrophic Nitrification-Aerobic Denitrification Performance of Strain Y-12 under Low Temperature and High Concentration of Inorganic Nitrogen Conditions. <i>Water (Switzerland)</i> , 2017, 9, 835.	1.2	29
149	Granulation of anammox microorganisms for autotrophic nitrogen removal from wastewater. <i>Environmental Chemistry Letters</i> , 2018, 16, 881-901.	8.3	43
150	Novel Eco-friendly Mitigation Strategies for Managing Oil Spills and Municipal Waste Dump Site Leachates. , 2018, , 1-36.		0
151	Electrodeposited NiCu bimetal on carbon paper as stable non-noble anode for efficient electrooxidation of ammonia. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 1101-1109.	10.8	130
152	Comparison of denitrification performance by bacterium <i>Achromobacter</i> sp. A14 under different electron donor conditions. <i>Chemical Engineering Journal</i> , 2018, 333, 320-326.	6.6	59
153	Comprehensive assessment of free nitrous acid-based technology to establish partial nitrification. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 2113-2124.	1.2	12
154	Autotrophic nitrogen conversion process and microbial population distribution in biofilter that simultaneously removes Fe, Mn and ammonia from groundwater. <i>International Biodeterioration and Biodegradation</i> , 2018, 135, 53-61.	1.9	30
155	Evaluation of different structures of moving bed biofilm reactors (MBBR) for synthetic wastewater treatment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 167, 012009.	0.2	0
156	Anoxic ammonia removal using granulated nanoscale oxyhydroxides of Fe (GNOF) in a SBR. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4273-4281.	3.3	18
157	A review on the advances in nitrifying biofilm reactors and their removal rates in wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3113-3124.	1.6	41
158	Shortcut Biological Nitrogen Removal (SBNR) in an MFC Anode Chamber Under Microaerobic Conditions: The Effect of C/N Ratio and Kinetic Study. <i>Sustainability</i> , 2018, 10, 1062.	1.6	7
159	Application of different magnetic intensities for the treatment of landfill leachate in Egypt. <i>Cogent Engineering</i> , 2018, 5, 1436114.	1.1	9
160	Simultaneous effect of organic carbon and ammonium on two-step nitrification within sequential batch reactor (SBR). <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2239-2248.	1.8	3
161	Impact of Mn and ammonia on nitrogen conversion in biofilter coupling nitrification and ANAMMOX that simultaneously removes Fe, Mn and ammonia. <i>Science of the Total Environment</i> , 2019, 648, 955-961.	3.9	27
162	Effects of ultrasonic treatment on the ammonia-oxidizing bacterial (AOB) growth kinetics. <i>Science of the Total Environment</i> , 2019, 690, 629-635.	3.9	30
163	Cooperation between two strains of <i>Enterobacter</i> and <i>Klebsiella</i> in the simultaneous nitrogen removal and phosphate accumulation processes. <i>Bioresource Technology</i> , 2019, 291, 121854.	4.8	49
164	Long-term operation and autotrophic nitrogen conversion process analysis in a biofilter that simultaneously removes Fe, Mn and ammonia from low-temperature groundwater. <i>Chemosphere</i> , 2019, 222, 407-414.	4.2	15

#	ARTICLE	IF	CITATIONS
165	Identification and Characterization of <i>Janthinobacterium svalbardensis</i> F19, a Novel Low-C/N-Tolerant Denitrifying Bacterium. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1937.	1.3	12
166	The value of floc and biofilm bacteria for anammox stability when treating ammonia-rich digester sludge thickening lagoon supernatant. <i>Chemosphere</i> , 2019, 233, 472-481.	4.2	36
167	Sunlight-driven recycling to increase nutrient use-efficiency in agriculture. <i>Algal Research</i> , 2019, 41, 101554.	2.4	12
168	Achieving mainstream nitrogen and phosphorus removal through Simultaneous partial Nitrification, Anammox, Denitrification, and Denitrifying Phosphorus Removal (SNADPR) process in a single-tank integrative reactor. <i>Bioresource Technology</i> , 2019, 284, 80-89.	4.8	52
169	New insight into the nitrogen metabolism of simultaneous heterotrophic nitrification-aerobic denitrification bacterium in mRNA expression. <i>Journal of Hazardous Materials</i> , 2019, 371, 295-303.	6.5	95
170	Efficient nitrogen removal by simultaneous heterotrophic nitrifying-aerobic denitrifying bacterium in a purification tank bioreactor amended with two-stage dissolved oxygen control. <i>Bioresource Technology</i> , 2019, 281, 392-400.	4.8	44
171	Algal-Bacterial System: A Novel Low-Cost Biotechnological Initiative in Wastewater Treatment. , 2019, , 115-127.		0
172	Nitrogen removal by a metal-resistant bacterium, <i>Pseudomonas putida</i> ZN1, capable of heterotrophic nitrification-aerobic denitrification. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1165-1175.	1.6	58
173	The Role of Microalgae in Wastewater Treatment. , 2019, , .		6
174	The roles of free ammonia (FA) in biological wastewater treatment processes: A review. <i>Environment International</i> , 2019, 123, 10-19.	4.8	294
175	Heterotrophic nitrification and aerobic denitrification by a novel <i>Acinetobacter</i> sp. ND7 isolated from municipal activated sludge. <i>Bioresource Technology</i> , 2020, 301, 122749.	4.8	202
176	Sludge alkaline fermentation enhanced anaerobic- multistage anaerobic/oxic (A-MAO) process to treat low C/N municipal wastewater: Nutrients removal and microbial metabolic characteristics. <i>Bioresource Technology</i> , 2020, 302, 122583.	4.8	19
177	Understanding of signaling molecule controlled anammox through regulating C/N ratio. <i>Bioresource Technology</i> , 2020, 315, 123863.	4.8	13
178	Zeolite-intermittent cycle moving bed air-lift bioreactor (Zeo-ICMBABR) for composting leachate treatment; simultaneous COD, nitrogen and phosphorous compounds removal. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 933-945.	1.4	3
179	Implementation of Floating Treatment Wetlands for Textile Wastewater Management: A Review. <i>Sustainability</i> , 2020, 12, 5801.	1.6	38
180	Identification, interactions, nitrogen removal pathways and performances of culturable heterotrophic nitrification-aerobic denitrification bacteria from mariculture water by using cell culture and metagenomics. <i>Science of the Total Environment</i> , 2020, 732, 139268.	3.9	54
181	Catalytic Ozonation of Dairy Farming Wastewater Using a Mn-Fe-Ce/Al <sub>2</sub> O <sub>3</sub> Ternary Catalyst: Performance, Generation, and Quenching of Hydroxyl Radicals. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13215-13224.	1.5	12
182	Ammonium Removal by a Newly Isolated Heterotrophic Nitrification-aerobic Denitrification Bacteria <i>Pseudomonas Stutzeri</i> SDU10 and Its Potential in Treatment of Piggery Wastewater. <i>Current Microbiology</i> , 2020, 77, 2792-2801.	1.0	12

#	ARTICLE	IF	CITATIONS
183	Culturable heterotrophic nitrification-aerobic denitrification bacterial consortia with cooperative interactions for removing ammonia and nitrite nitrogen in mariculture effluents. <i>Aquaculture</i> , 2020, 523, 735211.	1.7	34
184	Screening and Characterization of Nitrite-Degrading Bacterial Isolates Using a Novel Culture Medium. <i>Journal of Ocean University of China</i> , 2020, 19, 241-248.	0.6	5
185	Preparation of the Mn-Fe-Ce/ $\beta$ -Al <sub>2</sub> O <sub>3</sub> ternary catalyst and its catalytic performance in ozone treatment of dairy farming wastewater. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3724-3734.	2.3	21
186	Application of biotechnology in chemical industry. , 2020, , 57-193.		1
187	Identification of the role of Cu site in Ni-Cu hydroxide for robust and high selective electrochemical ammonia oxidation to nitrite. <i>Electrochimica Acta</i> , 2020, 345, 136157.	2.6	51
188	Energy saving anammox technology-based nitrogen removal and bioenergy recovery from wastewater: Inhibition mechanisms, state-of-the-art control strategies, and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110126.	8.2	89
189	Mechanism of nutrient removal enhancement in low carbon/nitrogen wastewater by a novel high-frequency micro-aeration/anoxic (HMOA) mode. <i>Chemosphere</i> , 2021, 263, 128003.	4.2	12
190	Simultaneous removal characteristics of ammonium and phenol by <i>Alcaligenes faecalis</i> strain WY-01 with the addition of acetate. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 27-38.	1.7	6
191	Recent progress in ammonia fuel cells and their potential applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 727-752.	5.2	177
192	Potential Application of a <i>Pseudomonas geniculata</i> ATCC 19374 and <i>Bacillus cereus</i> EC3 Mixture in Livestock Wastewater Treatment. <i>Waste and Biomass Valorization</i> , 2021, 12, 3927-3938.	1.8	6
193	Heterotrophic nitrification-aerobic denitrification characteristics and antibiotic resistance of two bacterial consortia from <i>Marinomonas</i> and <i>Halomonas</i> with effective nitrogen removal in mariculture wastewater. <i>Journal of Environmental Management</i> , 2021, 279, 111786.	3.8	20
194	Nitrogen removal performance and bacterial communities in zeolite trickling filter under different influent C/N ratios. <i>Environmental Science and Pollution Research</i> , 2021, 28, 15909-15922.	2.7	16
195	Microbial Interactions as Drivers of a Nitrification Process in a Chemostat. <i>Bioengineering</i> , 2021, 8, 31.	1.6	2
196	Nitrogen removal performance, quantitative detection and potential application of a novel aerobic denitrifying strain, <i>Pseudomonas</i> sp. GZWN4 isolated from aquaculture water. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1237-1251.	1.7	11
197	Fe(III)-mediated anaerobic ammonium oxidation: A novel microbial nitrogen cycle pathway and potential applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2962-2994.	6.6	32
198	A review of wastewater bacterial bio oxidation: mechanisms, reactions, and behaviors. <i>Journal of Chemical Engineering and Industrial Biotechnology</i> , 2021, 7, 1-9.	0.1	0
199	Simultaneous removal of nitrate/nitrite and ammonia in a circular microbial electrolysis cell at low C/N ratios. <i>Journal of Water Process Engineering</i> , 2021, 40, 101938.	2.6	13
200	Heterotrophic nitrification and related functional gene expression characteristics of <i>Alcaligenes faecalis</i> SDU20 with the potential use in swine wastewater treatment. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2035-2050.	1.7	10

#	ARTICLE	IF	CITATIONS
201	Aerobic denitrification using <i>Bacillus pumilus</i> , <i>Arthrobacter</i> sp., and <i>Streptomyces lusitanus</i> : Novel aerobic denitrifying bacteria. <i>Bioresource Technology Reports</i> , 2021, 14, 100663.	1.5	11
202	A review on metal oxide (FeOx/MnOx) mediated nitrogen removal processes and its application in wastewater treatment. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 697-728.	3.9	25
203	Electrode-dependent ammonium oxidation with different low C/N ratios in single-chambered microbial electrolysis cells. <i>Bioelectrochemistry</i> , 2021, 142, 107889.	2.4	10
204	Microalgae Applications in Wastewater Treatment. <i>Green Energy and Technology</i> , 2016, , 249-268.	0.4	26
205	Characteristics of <i>Alcaligenes</i> sp. LS2T Heterotrophic and Aerobic Ammonium Removal for Potential Livestock Wastewater Treatment. , 2017, , 337-344.		1
206	Methane Potential of Waste Activated Sludge and Fatty Residues: Impact of Codigestion and Alkaline Pretreatments. <i>The Open Environmental Engineering Journal</i> , 2010, 3, 71-76.	1.2	12
207	Anammox Process. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2017, , 264-289.	0.3	3
208	A family of models to study the growth of <i>Haloferax mediterranei</i> in different conditions. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	0
209	GHG reduction potential in the seafood industry. , 2010, , 175-179.		0
210	Effect of Tertiary Treatment on Chemically Complex Secondary Wastewater. <i>Journal of Environmental Systems</i> , 0, 33, 121-131.	1.0	0
211	10.2478/s11814-009-0330-4. , 2011, 27, 193.		0
212	REMOÇÃO DE NITROGÊNIO AMONÍACAL EM UM REATOR BIOLÓGICO OPERADO COM BAIXAS CONCENTRAÇÕES DE OXIGÊNIO DISSOLVIDO. <i>Periódico Eletrônico Fórum Ambiental Da Alta Paulista</i> , 2012, 7, .	0.0	0
213	Evaluation of Low-Cost Bio-technology for Community-Based Domestic Wastewater Treatment. , 2013, , 227-234.		2
214	Immobilized Nitrifying Bacterial Consortium for Improving Water Quality, Survival and Growth of <i>Penaeus monodon</i> Fabricius 1798 Postlarvae in Hatchery System. <i>Asian Fisheries Science</i> , 2013, 26, .	0.1	0
215	Isolation and Nitrogen Removal Characteristics of Heterotrophic Nitrification-Aerobic Denitrifying Bacteria, <i>Stenotrophomonas</i> sp. CW-4Y. <i>KSB Journal</i> , 2014, 29, 72-80.	0.1	3
216	Faster autotrophic growth of anaerobic ammonium-oxidizing microorganisms in presence of nitrite, using inocula from Colombia. <i>Revista Colombiana De Biotecnología</i> , 2014, 16, 146.	0.5	2
217	Reagent purification of the processing industry enterprises effluents. <i>Harvesting Science and Technology</i> , 2018, 12, .	0.2	5
218	Novel Eco-friendly Mitigation Strategies for Managing Oil Spills and Municipal Waste Dump Site Leachates. , 2019, , 513-547.		1

#	ARTICLE	IF	CITATIONS
219	Membrane technologies in toilet urine treatment for toilet urine resource utilization: a review. RSC Advances, 2021, 11, 35525-35535.	1.7	10
220	Characteristics and mechanism of heterotrophic nitrification/aerobic denitrification in a novel <i>Halomonas piezotolerans</i> strain. Journal of Basic Microbiology, 2022, 62, 124-134.	1.8	8
221	The biological nutrient removal (BNR) process in Aerobic granular sludge systems treating real landfill leachate of a West Metropolis in Iran. International Journal of Environmental Science and Technology, 2022, 19, 7715-7726.	1.8	5
222	Transcriptomics and proteomics revealed the psychrotolerant and antibiotic-resistant mechanisms of strain <i>Pseudomonas psychrophila</i> RNC-1 capable of assimilatory nitrate reduction and aerobic denitrification. Science of the Total Environment, 2022, 820, 153169.	3.9	13
223	Fate and inhibition of Bis (2-Ethylhexyl) phthalate in biophysical reactors for treating real landfill leachate. Chemical Engineering Research and Design, 2022, 160, 450-464.	2.7	6
224	Heterotrophic nitrification – An eternal mystery in the nitrogen cycle. Soil Biology and Biochemistry, 2022, 168, 108611.	4.2	60
227	Ammonium removal characteristics of <i>Delftia tsuruhatensis</i> SDU2 with potential application in ammonium-rich wastewater treatment. International Journal of Environmental Science and Technology, 2023, 20, 3911-3926.	1.8	5
228	A multi-step nitrifying microbial enrichment to remove ammonia and nitrite in brackish aquaculture systems. Biodegradation, 0, , .	1.5	0
229	Characterization of Isolated Aerobic Denitrifying Bacteria and Their Potential Use in the Treatment of Nitrogen-Polluted Aquaculture Water. Current Microbiology, 2022, 79, .	1.0	4
231	Nitrogen Removal Characteristics of the Highly Efficient Heterotrophic Nitrification-Aerobic Denitrification Bacterium Hy-1 and Practical Application in Biological Deodorization. SSRN Electronic Journal, 0, , .	0.4	0
232	Up-concentration of nitrogen from domestic wastewater: A sustainable strategy from removal to recovery. Chemical Engineering Journal, 2023, 451, 138789.	6.6	21
233	Short-Term Effects of Operating Parameters and Wastewater Constituents on the Performance of Free-cell <i>Candidatus Brocadia</i> and <i>Candidatus Scalindua</i> Anammox Enrichment. International Journal of Environmental Research, 2022, 16, .	1.1	2
234	Nitrogen removal characteristics of efficient heterotrophic nitrification-aerobic denitrification bacterium and application in biological deodorization. Bioresource Technology, 2022, 363, 128007.	4.8	11
235	The Direct Electrocatalytic Oxidation of Ammonia by the Copper-Deposited Nickel Foam Catalyst. SSRN Electronic Journal, 0, , .	0.4	0
236	Anaerobic Ammonia Oxidation Enrichment to Enhance Landfill Leachate Treatment. Radionuclides and Heavy Metals in Environment, 2022, , 189-217.	0.5	0
237	Nitrogen Pollution Originating from Wastewater and Agriculture: Advances in Treatment and Management. Reviews of Environmental Contamination and Toxicology, 2022, 260, .	0.7	1
238	Influence of COD in Toxic Industrial Wastewater from a Chemical Concern on Nitrification Efficiency. International Journal of Environmental Research and Public Health, 2022, 19, 14124.	1.2	3
239	Six complex microbial inoculants for removing ammonia nitrogen from waters. Water Environment Research, 2022, 94, .	1.3	2

#	ARTICLE	IF	CITATIONS
240	Enhanced heterotrophic nitrification and aerobic denitrification performance of <i>Glutamicibacter arilaitensis</i> EM-H8 with different carbon sources. <i>Chemosphere</i> , 2023, 323, 138266.	4.2	6
241	Reactive and microbial inhibitory mechanisms depicting the panoramic view of pH stress effect on common biological nitrification. <i>Water Research</i> , 2023, 231, 119660.	5.3	3
242	Coupling of Anammox Activity and PAH Biodegradation: Current Insights and Future Directions. <i>Processes</i> , 2023, 11, 458.	1.3	0
243	A heterotrophic nitrification - Aerobic denitrification bacterium. , 2018, 88, 833-840.		0
244	The direct electrocatalytic oxidation of ammonia by copper-deposited nickel foam catalysts. <i>Electrochimica Acta</i> , 2023, 446, 142130.	2.6	4
245	Recent advances in simultaneous nitrification and denitrification for nitrogen and micropollutant removal: a review. <i>Biodegradation</i> , 2023, 34, 103-123.	1.5	10
246	Nitrate-Polluted Waterbodies Remediation: Global Insights into Treatments for Compliance. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 4154.	1.3	3
247	Research advances of ammonia oxidation microorganisms in wastewater: metabolic characteristics, microbial community, influencing factors and process applications. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 621-633.	1.7	18
248	Roles of microbes and composite materials in the remediation of industrial wastewater. , 2023, , 375-402.		0
252	Microbial Nitrogen Transformation and Recovery in Wastewater: Current Strategies and Applications. , 2023, , 158-173.		0
253	Quantitative Methodologies for Determining the Amount and Structure of AOB at the Transcriptional Level in Wastewater Treatment Plants. , 2023, , 198-214.		0
256	Photochemical conversion of nitrate to ammonium ions by a newly developed photo-reductive titanium dioxide catalyst: implications on nitrogen recovery. <i>Environmental Science: Water Research and Technology</i> , 2023, 9, 3318-3324.	1.2	0