

# Biological Removal of Nitrogen from Wastewater

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simultaneous nitrification and denitrification in step feeding biological nitrogen removal process. <i>Journal of Environmental Sciences</i> , 2007, 19, 1043-1048.	3.2	26
2	Development of a Novel Biofilm Continuous Culture Method for Simultaneous Assessment of Architecture and Gaseous Metabolite Production. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5429-5435.	1.4	29
3	Identification of novel denitrifying bacteria <i>Stenotrophomonas</i> sp. ZZ15 and <i>Oceanimonas</i> sp. YC13 and application for removal of nitrate from industrial wastewater. <i>Biodegradation</i> , 2009, 20, 391-400.	1.5	38
4	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
5	Long-term effect of dissolved oxygen on partial nitrification performance and microbial community structure. <i>Bioresource Technology</i> , 2009, 100, 2796-2802.	4.8	194
6	N <sub>2</sub> O Production during Nitrogen Removal via Nitrite from Domestic Wastewater: Main Sources and Control Method. <i>Environmental Science &amp; Technology</i> , 2009, 43, 9400-9406.	4.6	121
7	Simultaneous nitrification and denitrification in a CEM (cation exchange membrane)-bounded two chamber system. <i>Water Research</i> , 2009, 43, 3820-3826.	5.3	16
8	Visualizing the Effects of Biofilm Structures on the Influx of Fluorescent Material Using Combined Confocal Reflection and Fluorescent Microscopy. <i>Microbes and Environments</i> , 2010, 25, 49-52.	0.7	13
9	Potential roles of anaerobic ammonium and methane oxidation in the nitrogen cycle of wetland ecosystems. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1043-1055.	1.7	155
10	Short- and long-term effects of temperature on partial nitrification in a sequencing batch reactor treating domestic wastewater. <i>Journal of Hazardous Materials</i> , 2010, 179, 471-479.	6.5	139
11	Nitrification and denitrification of domestic wastewater using a continuous anaerobic-aerobic (A2O) process at ambient temperatures. <i>Bioresource Technology</i> , 2010, 101, 8074-8082.	4.8	89
12	Enhanced nutrient removal in a modified step feed process treating municipal wastewater with different inflow distribution ratios and nutrient ratios. <i>Bioresource Technology</i> , 2010, 101, 9012-9019.	4.8	109
13	Biofilm Fixed Film Systems. <i>Water (Switzerland)</i> , 2011, 3, 843-868.	1.2	32
14	Anammox Bacterial Abundance, Biodiversity and Activity in a Constructed Wetland. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9951-9958.	4.6	124
15	O processo ANAMMOX como alternativa para tratamento de Águas residuÁrias, contendo alta concentraÃ£o de nitrogênio. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2011, 15, 1289-1297.	0.4	5
16	Anaerobic ammonia oxidation in a fertilized paddy soil. <i>ISME Journal</i> , 2011, 5, 1905-1912.	4.4	259
17	Quantitative analyses of ammonia-oxidizing Archaea and bacteria in the sediments of four nitrogen-rich wetlands in China. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 779-787.	1.7	123
18	Effect of nitrite from nitrification on biological phosphorus removal in a sequencing batch reactor treating domestic wastewater. <i>Bioresource Technology</i> , 2011, 102, 6657-6664.	4.8	31

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19	Partial nitrification of sludge reject water using suspended and granular biomass. Journal of Chemical Technology and Biotechnology, 2011, 86, 1480-1487.	1.6	21
20	Denitrifying phosphorus removal and impact of nitrite accumulation on phosphorus removal in a continuous anaerobic-anoxic-aerobic (A2O) process treating domestic wastewater. Enzyme and Microbial Technology, 2011, 48, 134-142.	1.6	81
21	Combination of ion exchange system and biological reactors for simultaneous removal of ammonia and organics. Journal of Environmental Management, 2011, 92, 1148-1153.	3.8	12
22	The Effect of DO on N2O Production in Simultaneous Nitrification and Denitrification Process. , 2011, , .		1
23	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
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28	Development of an in situ dissolved oxygen measurement system and calculation of its effective diffusion coefficient in a biofilm. Analytical Methods, 2012, 4, 2242.	1.3	16
29	Nitrous oxide emissions from the oxidation tank of a pilot activated sludge plant. Water Research, 2012, 46, 3563-3573.	5.3	43
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35	Nitrite as oxidizing power for <i>p</i> -cresol removal using a denitrifying sludge: kinetic study. Journal of Chemical Technology and Biotechnology, 2013, 88, 2176-2180.	1.6	5
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38	Nitrification and denitrifying phosphorus removal via nitrite pathway from domestic wastewater in a continuous MUCT process. <i>Bioresource Technology</i> , 2013, 143, 187-195.	4.8	44
39	Ammonium removal by a novel oligotrophic <i>Acinetobacter</i> sp. Y16 capable of heterotrophic nitrification-aerobic denitrification at low temperature. <i>Bioresource Technology</i> , 2013, 146, 44-50.	4.8	207
40	Achieving partial nitrification in a novel six basins alternately operating activated sludge process treating domestic wastewater. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 2043-2051.	1.2	2
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48	Achievement and Maintenance of Partial Nitrification by Controlling DO concentration. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2014, 70, III_233-III_241.	0.1	1
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52	Occurrence, activity and contribution of anammox in some freshwater extreme environments. <i>Environmental Microbiology Reports</i> , 2015, 7, 961-969.	1.0	74
53	The Absorption of Nitrate and Phosphate from Urban Sewage by Blue-Green Algae ( <i>Spiroulina</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 10 Sciences and Environmental Management, 2015, 19, 353.	0.1	1
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59	Nitrogen Removal from Micro-Polluted Reservoir Water by Indigenous Aerobic Denitrifiers. International Journal of Molecular Sciences, 2015, 16, 8008-8026.	1.8	25
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74	Assessment of microalgae and nitrifiers activity in a consortium in a continuous operation and the effect of oxygen depletion. <i>Electronic Journal of Biotechnology</i> , 2016, 23, 63-68.	1.2	40
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84	Potential application of <i>Alcaligenes faecalis</i> strain No. 4 in mitigating ammonia emissions from dairy wastewater. <i>Bioresource Technology</i> , 2016, 206, 36-42.	4.8	22
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92	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
93	Hollow fibre membrane contactors for ammonia recovery: Current status and future developments. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1349-1359.	3.3	139
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104	Comparison of N <sub>2</sub> O Emissions and Gene Abundances between Wastewater Nitrogen Removal Systems. <i>Journal of Environmental Quality</i> , 2017, 46, 931-938.	1.0	16
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110	The role of external carbon sources at each stage of an A <sup>2</sup> /O process for simultaneously removing nitrogen and phosphorus. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 2010-2015.	1.3	1
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112	Evaluating the process performance and potential of a high-rate single airlift bioreactor for simultaneous carbon and nitrogen removal through coupling different pathways from a nitrogen-rich wastewater. <i>Bioresource Technology</i> , 2018, 260, 44-52.	4.8	16
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124	Effects of free nitrous acid treatment conditions on the nitrite pathway performance in mainstream wastewater treatment. <i>Science of the Total Environment</i> , 2018, 644, 360-370.	3.9	56
125	Microbial Nitrogen Cycle Hotspots in the Plant-Bed/Ditch System of a Constructed Wetland with N <sub>2</sub> O Mitigation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6226-6236.	4.6	61
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138	Nitrification via microorganism-immobilized media using polyvinyl alcohol (PVA). <i>Water and Environment Journal</i> , 2020, 34, 203-211.	1.0	1
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141	Anaerobic ammonium oxidation is a major N-sink in aquifer systems around the world. <i>ISME Journal</i> , 2020, 14, 151-163.	4.4	54
142	Enhanced nitrogen removal from low C/N wastewater using biodegradable and inert carriers: Performance and microbial shift. <i>Bioresource Technology</i> , 2020, 300, 122658.	4.8	21
143	A novel universal primer pair for prokaryotes with improved performances for anammox containing communities. <i>Scientific Reports</i> , 2020, 10, 15648.	1.6	9
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147	The Sensitivity of a Specific Denitrification Rate under the Dissolved Oxygen Pressure. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9366.	1.2	10
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