Siegfried E Vlaeminck

List of Publications by Year
in descending order

141 papers	7,379 citations	53794 45 h-index	60623 81 g-index
144 all docs	144 docs citations	144 times ranked	4802 citing authors

#	Article	IF	Citations
1	Dehazing redox homeostasis to foster purple bacteria biotechnology. Trends in Biotechnology, 2023, 41, 106-119.	9.3	7
2	Unlocking the genomic potential of aerobes and phototrophs for the production of nutritious and palatable microbial food without arable land or fossil fuels. Microbial Biotechnology, 2022, 15, 6-12.	4.2	9
3	A bioreactor and nutrient balancing approach for the conversion of solid organic fertilizers to liquid nitrate-rich fertilizers: Mineralization and nitrification performance complemented with economic aspects. Science of the Total Environment, 2022, 806, 150415.	8.0	3
4	Storage without nitrite or nitrate enables the long-term preservation of full-scale partial nitritation/anammox sludge. Science of the Total Environment, 2022, 806, 151330.	8.0	13
5	Aerobes and phototrophs as microbial organic fertilizers: Exploring mineralization, fertilization and plant protection features. PLoS ONE, 2022, 17, e0262497.	2.5	8
6	Regulating light, oxygen and volatile fatty acids to boost the productivity of purple bacteria biomass, protein and co-enzyme Q10. Science of the Total Environment, 2022, 822, 153489.	8.0	6
7	Towards mainstream partial nitritation/anammox in four seasons: Feasibility of bioaugmentation with stored summer sludge for winter anammox assistance. Bioresource Technology, 2022, 347, 126619.	9.6	11
8	Aggregation of purple bacteria in an upflow photobioreactor to facilitate solid/liquid separation: Impact of organic loading rate, hydraulic retention time and water composition. Bioresource Technology, 2022, 348, 126806.	9.6	6
9	Evaluation of Lignocellulosic Wastewater Valorization with the Oleaginous Yeasts R. kratochvilovae EXF7516 and C. oleaginosum ATCC 20509. Fermentation, 2022, 8, 204.	3.0	6
10	Environmental and economic sustainability of the nitrogen recovery paradigm: Evidence from a structured literature review. Resources, Conservation and Recycling, 2022, 184, 106406.	10.8	23
11	Time to actâ€“assessing variations in qPCR analyses in biological nitrogen removal with examples from partial nitritation/anammox systems. Water Research, 2021, 190, 116604.	11.3	8
12	Purple bacteria as added-value protein ingredient in shrimp feed: Penaeus vannamei growth performance, and tolerance against Vibrio and ammonia stress. Aquaculture, 2021, 530, 735788.	3.5	52
13	Cocultivating aerobic heterotrophs and purple bacteria for microbial protein in sequential photo- and chemotrophic reactors. Bioresource Technology, 2021, 319, 124192.	9.6	28
14	A systematic comparison of commercially produced struvite: Quantities, qualities and soil-maize phosphorus availability. Science of the Total Environment, 2021, 756, 143726.	8.0	60
15	Operational Strategies to Selectively Produce Purple Bacteria for Microbial Protein in Raceway Reactors. Environmental Science & Technology, 2021, 55, 8278-8286.	10.0	28
16	Electrochemical In Situ pH Control Enables Chemical-Free Full Urine Nitrification with Concomitant Nitrate Extraction. Environmental Science & Technology, 2021, 55, 8287-8298.	10.0	9
17	From Biogas and Hydrogen to Microbial Protein Through Co-Cultivation of Methane and Hydrogen Oxidizing Bacteria. Frontiers in Bioengineering and Biotechnology, 2021, 9, 733753.	4.1	17
18	Enhanced fungal delignification and enzymatic digestibility of poplar wood by combined CuSO4 and MnSO4 supplementation. Process Biochemistry, 2021, 108, 129-137.	3.7	14

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19	Microbial food from light, carbon dioxide and hydrogen gas: Kinetic, stoichiometric and nutritional potential of three purple bacteria. Bioresource Technology, 2021, 337, 125364.	9.6	8
20	Towards harmonization of water quality management: A comparison of chemical drinking water and surface water quality standards around the globe. Journal of Environmental Management, 2021, 298, 113447.	7.8	11
21	Oxygen control and stressor treatments for complete and long-term suppression of nitrite-oxidizing bacteria in biofilm-based partial nitritation/anammox. Bioresource Technology, 2021, 342, 125996.	9.6	20
22	Piloting carbon-lean nitrogen removal for energy-autonomous sewage treatment. Environmental Science: Water Research and Technology, 2021, 7, 2268-2281.	2.4	0
23	Dunaliella Microalgae for Nutritional Protein: An Undervalued Asset. Trends in Biotechnology, 2020, 38, 10-12.	9.3	54
24	Purple nonâ€sulphur bacteria and plant production: benefits for fertilization, stress resistance and the environment. Microbial Biotechnology, 2020, 13, 1336-1365.	4.2	70
25	Adaptation and characterization of thermophilic anammox in bioreactors. Water Research, 2020, 172, 115462.	11.3	21
26	Environmental impact of microbial protein from potato wastewater as feed ingredient: Comparative consequential life cycle assessment of three production systems and soybean meal. Water Research, 2020, 171, 115406.	11.3	67
27	Enrichment and Aggregation of Purple Non-sulfur Bacteria in a Mixed-Culture Sequencing-Batch Photobioreactor for Biological Nutrient Removal From Wastewater. Frontiers in Bioengineering and Biotechnology, 2020, 8, 557234.	4.1	30
28	Bio-electrochemical COD removal for energy-efficient, maximum and robust nitrogen recovery from urine through membrane aerated nitrification. Water Research, 2020, 185, 116223.	11.3	54
29	A five-stage treatment train for water recovery from urine and shower water for long-term human Space missions. Desalination, 2020, 495, 114634.	8.2	12
30	Dried aerobic heterotrophic bacteria from treatment of food and beverage effluents: Screening of correlations between operation parameters and microbial protein quality. Bioresource Technology, 2020, 307, 123242.	9.6	21
31	Purple phototrophic bacteria for resource recovery: Challenges and opportunities. Biotechnology Advances, 2020, 43, 107567.	11.7	103
32	Storage, fertilization and cost properties highlight the potential of dried microbial biomass as organic fertilizer. Microbial Biotechnology, 2020, 13, 1377-1389.	4.2	28
33	Return-Sludge Treatment with Endogenous Free Nitrous Acid Limits Nitrate Production and N₂O Emission for Mainstream Partial Nitritation/Anammox. Environmental Science & Technology, 2020, 54, 5822-5831.	10.0	17
34	The Impact of Local Hydrodynamics on High-Rate Activated Sludge Flocculation in Laboratory and Full-Scale Reactors. Processes, 2020, 8, 131.	2.8	5
35	Harvesting time and biomass composition affect the economics of microalgae production. Journal of Cleaner Production, 2020, 259, 120782.	9.3	35
36	Mainstream partial nitritation/anammox with integrated fixed-film activated sludge: Combined aeration and floc retention time control strategies limit nitrate production. Bioresource Technology, 2020, 314, 123711.	9.6	31

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37	Pioneering on single-sludge nitrification/denitrification at 50ÂÂ°C. Chemosphere, 2020, 252, 126527.	8.2	3
38	Bottle or tap? Toward an integrated approach to water type consumption. Water Research, 2020, 173, 115578.	11.3	32
39	High-rate activated sludge systems combined with dissolved air flotation enable effective organics removal and recovery. Bioresource Technology, 2019, 291, 121833.	9.6	35
40	Tomato plants rather than fertilizers drive microbial community structure in horticultural growing media. Scientific Reports, 2019, 9, 9561.	3.3	29
41	Reactivation of Microbial Strains and Synthetic Communities After a Spaceflight to the International Space Station: Corroborating the Feasibility of Essential Conversions in the MELiSSA Loop. Astrobiology, 2019, 19, 1167-1176.	3.0	9
42	Media Optimization, Strain Compatibility, and Low-Shear Modeled Microgravity Exposure of Synthetic Microbial Communities for Urine Nitrification in Regenerative Life-Support Systems. Astrobiology, 2019, 19, 1353-1362.	3.0	9
43	Screen versus cyclone for improved capacity and robustness for sidestream and mainstream deammonification. Environmental Science: Water Research and Technology, 2019, 5, 1769-1781.	2.4	13
44	Urine nitrification with a synthetic microbial community. Systematic and Applied Microbiology, 2019, 42, 126021.	2.8	12
45	13C Incorporation as a Tool to Estimate Biomass Yields in Thermophilic and Mesophilic Nitrifying Communities. Frontiers in Microbiology, 2019, 10, 192.	3.5	5
46	Improving the resource footprint evaluation of products recovered from wastewater: A discussion on appropriate allocation in the context of circular economy. Resources, Conservation and Recycling, 2019, 148, 132-144.	10.8	40
47	Proof of concept of high-rate decentralized pre-composting of kitchen waste: Optimizing design and operation of a novel drum reactor. Waste Management, 2019, 91, 20-32.	7.4	16
48	Enhancement of co-production of nutritional protein and carotenoids in Dunaliella salina using a two-phase cultivation assisted by nitrogen level and light intensity. Bioresource Technology, 2019, 287, 121398.	9.6	51
49	Determining stoichiometry and kinetics of two thermophilic nitrifying communities as a crucial step in the development of thermophilic nitrogen removal. Water Research, 2019, 156, 34-45.	11.3	8
50	High variability in nutritional value and safety of commercially available Chlorella and Spirulina biomass indicates the need for smart production strategies. Bioresource Technology, 2019, 275, 247-257.	9.6	95
51	Light regime and growth phase affect the microalgal production of protein quantity and quality with Dunaliella salina. Bioresource Technology, 2019, 275, 145-152.	9.6	47
52	Volatile fatty acids impacting phototrophic growth kinetics of purple bacteria: Paving the way for protein production on fermented wastewater. Water Research, 2019, 152, 138-147.	11.3	88
53	Resource recovery from pig manure via an integrated approach: A technical and economic assessment for full-scale applications. Bioresource Technology, 2019, 272, 582-593.	9.6	52
54	Effects of salinity, pH and growth phase on the protein productivity by <scp>Dunaliella salina</scp>. Journal of Chemical Technology and Biotechnology, 2019, 94, 1032-1040.	3.2	27

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55	Overcoming floc formation limitations in high-rate activated sludge systems. Chemosphere, 2019, 215, 342-352.	8.2	30
56	Success of mainstream partial nitritation/anammox demands integration of engineering, microbiome and modeling insights. Current Opinion in Biotechnology, 2018, 50, 214-221.	6.6	123
57	Sulfur-based denitrification treating regeneration water from ion exchange at high performance and low cost. Bioresource Technology, 2018, 257, 266-273.	9.6	24
58	Pinpointing wastewater and process parameters controlling the AOB to NOB activity ratio in sewage treatment plants. Water Research, 2018, 138, 37-46.	11.3	34
59	Metabolic and Proteomic Responses to Salinity in Synthetic Nitrifying Communities of Nitrosomonas spp. and Nitrobacter spp.. Frontiers in Microbiology, 2018, 9, 2914.	3.5	14
60	Nitrogen cycle microorganisms can be reactivated after Space exposure. Scientific Reports, 2018, 8, 13783.	3.3	16
61	Captureâ€“Fermentâ€“Upgrade: A Three-Step Approach for the Valorization of Sewage Organics as Commodities. Environmental Science & Technology, 2018, 52, 6729-6742.	10.0	97
62	Synergistic Exposure of Return-Sludge to Anaerobic Starvation, Sulfide, and Free Ammonia to Suppress Nitrite Oxidizing Bacteria. Environmental Science & Technology, 2018, 52, 8725-8732.	10.0	53
63	Photosynthetic oxygenation for urine nitrification. Water Science and Technology, 2018, 78, 183-194.	2.5	7
64	Refinery and concentration of nutrients from urine with electrodialysis enabled by upstream precipitation and nitrification. Water Research, 2018, 144, 76-86.	11.3	51
65	High-resolution mapping and modeling of anammox recovery from recurrent oxygen exposure. Water Research, 2018, 144, 522-531.	11.3	52
66	Temperature impact on sludge yield, settleability and kinetics of three heterotrophic conversions corroborates the prospect of thermophilic biological nitrogen removal. Bioresource Technology, 2018, 269, 104-112.	9.6	19
67	Supernatant organics from anaerobic digestion after thermal hydrolysis cause direct and/or diffusional activity loss for nitritation and anammox. Water Research, 2018, 143, 270-281.	11.3	67
68	Enrichment and adaptation yield high anammox conversion rates under low temperatures. Bioresource Technology, 2018, 250, 505-512.	9.6	63
69	Enhancing the decoupling of solids retention times in full-scale deammonification processes using screens. Proceedings of the Water Environment Federation, 2018, 2018, 185-191.	0.0	0
70	Short and Long Term Effect of Decreasing Temperature on Anammox Activity and Enrichment in Mainstream Granular Sludge Process. Lecture Notes in Civil Engineering, 2017, , 50-54.	0.4	0
71	Nitrogen cycling in Bioregenerative Life Support Systems: Challenges for waste refinery and food production processes. Progress in Aerospace Sciences, 2017, 91, 87-98.	12.1	65
72	The ManureEcoMine pilot installation: advanced integration of technologies for the management of organics and nutrients in livestock waste. Water Science and Technology, 2017, 75, 1281-1293.	2.5	21

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73	Smart operation of nitritation/denitritation virtually abolishes nitrous oxide emission during treatment of co-digested pig slurry centrate. Water Research, 2017, 127, 1-10.	11.3	23
74	Kinetic exploration of intracellular nitrate storage in marine microalgae. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1303-1311.	1.7	0
75	The contribution of microbial biotechnology to sustainable development goals. Microbial Biotechnology, 2017, 10, 984-987.	4.2	73
76	Ureolytic Activity and Its Regulation in Vibrio campbellii and Vibrio harveyi in Relation to Nitrogen Recovery from Human Urine. Environmental Science & Technology, 2017, 51, 13335-13343.	10.0	8
77	Itâ€™s time to harvest: Combining internal selection and flocculent external selection to maximize carbon capture efficiency. Proceedings of the Water Environment Federation, 2017, 2017, 4294-4296.	0.0	0
78	Growing media constituents determine the microbial nitrogen conversions in organic growing media for horticulture. Microbial Biotechnology, 2016, 9, 389-399.	4.2	42
79	Impact of carbon to nitrogen ratio and aeration regime on mainstream deammonification. Water Science and Technology, 2016, 74, 375-384.	2.5	61
80	Used water and nutrients: Recovery perspectives in a â€˜panta rheiâ€™ context. Bioresource Technology, 2016, 215, 199-208.	9.6	79
81	High-rate activated sludge communities have a distinctly different structure compared to low-rate sludge communities, and are less sensitive towards environmental and operational variables. Water Research, 2016, 100, 137-145.	11.3	62
82	Production of carboxylates from high rate activated sludge through fermentation. Bioresource Technology, 2016, 217, 165-172.	9.6	30
83	Uncoupling the solids retention times of flocs and granules in mainstream deammonification: A screen as effective out-selection tool for nitrite oxidizing bacteria. Bioresource Technology, 2016, 221, 195-204.	9.6	87
84	Follow the N and P road: High-resolution nutrient flow analysis of the Flanders region as precursor for sustainable resource management. Resources, Conservation and Recycling, 2016, 115, 9-21.	10.8	59
85	Live Fast, Die Young: Optimizing Retention Times in High-Rate Contact Stabilization for Maximal Recovery of Organics from Wastewater. Environmental Science & Technology, 2016, 50, 9781-9790.	10.0	67
86	Microbial Biotechnologyâ€2020. Microbial Biotechnology, 2016, 9, 529-529.	4.2	2
87	Thermophilic sludge digestion improves energy balance and nutrient recovery potential in full-scale municipal wastewater treatment plants. Bioresource Technology, 2016, 218, 1237-1245.	9.6	86
88	Energy efficient treatment of A-stage effluent: pilot-scale experiences with shortcut nitrogen removal. Water Science and Technology, 2016, 73, 2150-2158.	2.5	19
89	Empowering a mesophilic inoculum for thermophilic nitrification: Growth mode and temperature pattern as critical proliferation factors for archaeal ammonia oxidizers. Water Research, 2016, 92, 94-103.	11.3	17
90	A robust nitrifying community in a bioreactor at 50 Â°C opens up the path for thermophilic nitrogen removal. ISME Journal, 2016, 10, 2293-2303.	9.8	36

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91	Deammonification for digester supernatant pretreated with thermal hydrolysis: overcoming inhibition through process optimization. Applied Microbiology and Biotechnology, 2016, 100, 5595-5606.	3.6	37
92	Nitrification and microalgae cultivation for two-stage biological nutrient valorization from source separated urine. Bioresource Technology, 2016, 211, 41-50.	9.6	52
93	Mechanistic Understanding of Microbial Activity Inhibition: Case Study on Sidestream Deammonification for Digester Supernatant Pretreated by Thermal Hydrolysis. Proceedings of the Water Environment Federation, 2016, 2016, 6073-6088.	0.0	1
94	Biofilms for One-stage Autotrophic Nitrogen Removal. , 2016, , 205-222.		0
95	Effective carbon and nutrient treatment solutions for mixed domestic-industrial wastewater in India. Water Science and Technology, 2015, 72, 651-657.	2.5	3
96	Toward energy-neutral wastewater treatment: A high-rate contact stabilization process to maximally recover sewage organics. Bioresource Technology, 2015, 179, 373-381.	9.6	130
97	Environmental sustainability of an energy self-sufficient sewage treatment plant: Improvements through DEMON and co-digestion. Water Research, 2015, 74, 166-179.	11.3	128
98	Nitrogen removal in a moving bed membrane bioreactor for municipal sewage treatment: Community differentiation in attached biofilm and suspended biomass. Chemical Engineering Journal, 2015, 277, 209-218.	12.7	30
99	Nitric oxide preferentially inhibits nitrite oxidizing communities with high affinity for nitrite. Journal of Biotechnology, 2015, 193, 120-122.	3.8	24
100	NOB out-selection in mainstream deammonification â€“ A resilience evaluation. Proceedings of the Water Environment Federation, 2015, 2015, 2237-2242.	0.0	2
101	A Novel Method for Quantifying the Solubilization Potential of Thermal Hydrolysis Processes. Proceedings of the Water Environment Federation, 2015, 2015, 6559-6568.	0.0	0
102	Efficient THP-AD Filtrate Treatment via Optimized Control Strategies in Sidestream Deammonification Reactor. Proceedings of the Water Environment Federation, 2015, 2015, 6538-6549.	0.0	1
103	Optimized Cryopreservation of Mixed Microbial Communities for Conserved Functionality and Diversity. PLoS ONE, 2014, 9, e99517.	2.5	74
104	When the smoke disappears: dealing with extinguishing chemicals in firefighting wastewater. Water Science and Technology, 2014, 69, 1720-1727.	2.5	2
105	Increased salinity improves the thermotolerance of mesophilic nitrification. Applied Microbiology and Biotechnology, 2014, 98, 4691-9.	3.6	11
106	Successful application of nitritation/anammox toÂwastewater with elevated organic carbon to ammonia ratios. Water Research, 2014, 49, 316-326.	11.3	250
107	Control of nitratation in an oxygen-limited autotrophic nitrification/denitrification rotating biological contactor through disc immersion level variation. Bioresource Technology, 2014, 155, 182-188.	9.6	35
108	Trade-off between mesophilic and thermophilic denitrification: Rates vs. sludge production, settleability and stability. Water Research, 2014, 63, 234-244.	11.3	22

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109	Kinetic exploration of nitrate-accumulating microalgae for nutrient recovery. Applied Microbiology and Biotechnology, 2014, 98, 8377-8387.	3.6	25
110	Full-scale partial nitritation/anammox experiences â€“ An application survey. Water Research, 2014, 55, 292-303.	11.3	1,401
111	Balancing Denitrification and Anammox Activities in Mainstream Deammonification: Influence of COD Input and Aeration Regime. Proceedings of the Water Environment Federation, 2014, 2014, 7433-7437.	0.0	0
112	Temporal and Spatial Stability of Ammonia-Oxidizing Archaea and Bacteria in Aquarium Biofilters. PLoS ONE, 2014, 9, e113515.	2.5	32
113	One-stage partial nitritation/anammox at 15ÂÂ°C on pretreated sewage: feasibility demonstration at lab-scale. Applied Microbiology and Biotechnology, 2013, 97, 10199-10210.	3.6	168
114	Revisiting Methanotrophic Communities in Sewage Treatment Plants. Applied and Environmental Microbiology, 2013, 79, 2841-2846.	3.1	40
115	Deammonification process start-up after enrichment of anammox microorganisms from reject water in a moving-bed biofilm reactor. Environmental Technology (United Kingdom), 2013, 34, 3095-3101.	2.2	36
116	Sewage pre-concentration for maximum recovery and reuse at decentralized level. Water Science and Technology, 2013, 67, 1188-1193.	2.5	35
117	NOB out-selection in rotating biological contactors for sidestream and mainstream deammonification. Proceedings of the Water Environment Federation, 2013, 2013, 1948-1958.	0.0	1
118	Accelerating effect of hydroxylamine and hydrazine on nitrogen removal rate in moving bed biofilm reactor. Biodegradation, 2012, 23, 739-749.	3.0	44
119	Efficient Total Nitrogen Removal in an Ammonia Gas Biofilter through High-Rate OLAND. Environmental Science & Technology, 2012, 46, 8826-8833.	10.0	20
120	Strategies to mitigate N2O emissions from biological nitrogen removal systems. Current Opinion in Biotechnology, 2012, 23, 474-482.	6.6	133
121	Successful hydraulic strategies to start up OLAND sequencing batch reactors at lab scale. Microbial Biotechnology, 2012, 5, 403-414.	4.2	18
122	Stable performance of nonâ€aerated twoâ€stage partial nitritation/anammox (PANAM) with minimal process control. Microbial Biotechnology, 2012, 5, 425-432.	4.2	3
123	Microbial resource management of oneâ€stage partial nitritation/anammox. Microbial Biotechnology, 2012, 5, 433-448.	4.2	145
124	Editorial preface. Microbial Biotechnology, 2012, 5, 305-306.	4.2	2
125	ZeroWasteWater: short-cycling of wastewater resources for sustainable cities of the future. International Journal of Sustainable Development and World Ecology, 2011, 18, 253-264.	5.9	195
126	Floc-based sequential partial nitritation and anammox at full scale with contrasting N2O emissions. Water Research, 2011, 45, 2811-2821.	11.3	166

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127	Efficiency and Sustainability of Urban Wastewater Treatment with Maximum Separation of the Solid and Liquid Fraction. , 2011, , 507-515.		2
128	In quest of the nitrogen oxidizing prokaryotes of the early Earth. Environmental Microbiology, 2011, 13, 283-295.	3.8	39
129	Long-chain acylhomoserine lactones increase the anoxic ammonium oxidation rate in an OLAND biofilm. Applied Microbiology and Biotechnology, 2011, 90, 1511-1519.	3.6	80
130	OLAND is feasible to treat sewage-like nitrogen concentrations at low hydraulic residence times. Applied Microbiology and Biotechnology, 2011, 90, 1537-1545.	3.6	98
131	Fast start-up of a pilot-scale deammonification sequencing batch reactor from an activated sludge inoculum. Water Science and Technology, 2010, 61, 1393-1400.	2.5	62
132	Aggregate Size and Architecture Determine Microbial Activity Balance for One-Stage Partial Nitritation and Anammox. Applied and Environmental Microbiology, 2010, 76, 900-909.	3.1	318
133	A low volumetric exchange ratio allows high autotrophic nitrogen removal in a sequencing batch reactor. Bioresource Technology, 2009, 100, 5010-5015.	9.6	31
134	Nitrogen Removal from Digested Black Water by One-Stage Partial Nitritation and Anammox. Environmental Science & Technology, 2009, 43, 5035-5041.	10.0	160
135	Remediation of trichloroethylene by bio-precipitated and encapsulated palladium nanoparticles in a fixed bed reactor. Chemosphere, 2009, 76, 1221-1225.	8.2	60
136	Biological removal of 17Î±-ethinylestradiol by a nitrifier enrichment culture in a membrane bioreactor. Water Research, 2009, 43, 2493-2503.	11.3	97
137	Granular biomass capable of partial nitritation and anammox. Water Science and Technology, 2009, 59, 609.	2.5	11
138	Partial Nitrification Achieved by Pulse Sulfide Doses in a Sequential Batch Reactor. Environmental Science & Technology, 2008, 42, 8715-8720.	10.0	73
139	Granular biomass capable of partial nitritation and anammox. Water Science and Technology, 2008, 58, 1113-1120.	2.5	44
140	Reactivation of aerobic and anaerobic ammonium oxidizers in OLAND biomass after long-term storage. Applied Microbiology and Biotechnology, 2007, 74, 1376-1384.	3.6	68
141	Vertical migration of aggregated aerobic and anaerobic ammonium oxidizers enhances oxygen uptake in a stagnant water layer. Applied Microbiology and Biotechnology, 2007, 75, 1455-1461.	3.6	7