

Anniet M Laverman

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7770739/anniet-m-laverman-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

1,693
citations

25
h-index

40
g-index

62
ext. papers

1,950
ext. citations

5.5
avg, IF

4.57
L-index

#	Paper	IF	Citations
61	Do antibiotics have environmental side-effects? Impact of synthetic antibiotics on biogeochemical processes. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4000-12	5.1	106
60	Using multi-tracer inference to move beyond single-catchment ecohydrology. <i>Earth-Science Reviews</i> , 2016 , 160, 19-42	10.2	105
59	Organic matter mineralization in sediment of a coastal freshwater lake and response to salinization. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 2836-2855	5.5	91
58	Low nitrification rates in acid Scots pine forest soils are due to pH-related factors. <i>Microbial Ecology</i> , 2007 , 53, 89-97	4.4	79
57	Spatiotemporal Stability of an Ammonia-Oxidizing Community in a Nitrogen-Saturated Forest Soil. <i>Microbial Ecology</i> , 2001 , 42, 35-45	4.4	72
56	Cleavage of dimethylsulfoniopropionate and reduction of acrylate by <i>Desulfovibrio acrylicus</i> sp. nov.. <i>Archives of Microbiology</i> , 1996 , 166, 109-115	3	72
55	Potential rates and pathways of microbial nitrate reduction in coastal sediments. <i>FEMS Microbiology Ecology</i> , 2006 , 58, 179-92	4.3	65
54	Temporal and spatial variation of nitrogen transformations in a coniferous forest soil. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1661-1670	7.5	65
53	Comparison of deep-sea sediment microbial communities in the Eastern Mediterranean. <i>FEMS Microbiology Ecology</i> , 2008 , 64, 362-77	4.3	58
52	Stratification of reactivity determines nitrate removal in groundwater. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2494-2499	11.5	53
51	Potential nitrate removal in a coastal freshwater sediment (Haringvliet Lake, The Netherlands) and response to salinization. <i>Water Research</i> , 2007 , 41, 3061-8	12.5	53
50	The use of flow-through sediment reactors in biogeochemical kinetics: Methodology and examples of applications. <i>Marine Chemistry</i> , 2007 , 106, 256-271	3.7	51
49	The effect of environmental and therapeutic concentrations of antibiotics on nitrate reduction rates in river sediment. <i>Water Research</i> , 2013 , 47, 3654-62	12.5	49
48	Nitrous oxide production kinetics during nitrate reduction in river sediments. <i>Water Research</i> , 2010 , 44, 1753-64	12.5	46
47	AcidBase activity of live bacteria: Implications for quantifying cell wall charge. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 267-276	5.5	42
46	Molecular and geochemical constraints on anaerobic ammonium oxidation (anammox) in a riparian zone of the Seine Estuary (France). <i>Biogeochemistry</i> , 2015 , 123, 237-250	3.8	39
45	Presence of <i>Nitrosospira</i> cluster 2 bacteria corresponds to N transformation rates in nine acid Scots pine forest soils. <i>FEMS Microbiology Ecology</i> , 2005 , 53, 473-81	4.3	39

44	Nitrite accumulation during denitrification depends on the carbon quality and quantity in wastewater treatment with biofilters. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 10179-88	5.1	38
43	Stratification and seasonal stability of diverse bacterial communities in a <i>Pinus merkusii</i> (pine) forest soil in central Java, Indonesia. <i>Environmental Microbiology</i> , 2002 , 4, 361-73	5.2	38
42	Comparative survey of potential nitrate and sulfate reduction rates in aquatic sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 77, 474-488	5.5	37
41	Chronic exposure of river sediments to environmentally relevant levels of tetracycline affects bacterial communities but not denitrification rates. <i>Ecotoxicology</i> , 2013 , 22, 1467-78	2.9	30
40	Vertical distribution of denitrification in an estuarine sediment: integrating sediment flowthrough reactor experiments and microprofiling via reactive transport modeling. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 40-7	4.8	30
39	Nitrite reduction by biogenic hydroxycarbonate green rusts: evidence for hydroxy-nitrite green rust formation as an intermediate reaction product. <i>Environmental Science & Technology</i> , 2014 , 48, 4505-14	10.3	29
38	Net nitrification rate and presence of <i>Nitrosospira</i> cluster 2 in acid coniferous forest soils appear to be tree species specific. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1166-1171	7.5	28
37	Predicting Nutrient Incontinence in the Anthropocene at Watershed Scales. <i>Frontiers in Environmental Science</i> , 2020 , 7,	4.8	26
36	Potential denitrification and nitrous oxide production in the sediments of the Seine River Drainage Network (France). <i>Journal of Environmental Quality</i> , 2010 , 39, 449-59	3.4	25
35	Modelling the fate of nitrite in an urbanized river using experimentally obtained nitrifier growth parameters. <i>Water Research</i> , 2015 , 73, 373-87	12.5	22
34	Exposure to vancomycin causes a shift in the microbial community structure without affecting nitrate reduction rates in river sediments. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 13702-9	5.1	22
33	Soil layer-specific variability in net nitrification and denitrification in an acid coniferous forest. <i>Biology and Fertility of Soils</i> , 2000 , 32, 427-434	6.1	21
32	Environmental controls on nitrogen and sulfur cycles in surficial aquatic sediments. <i>Frontiers in Microbiology</i> , 2012 , 3, 45	5.7	19
31	Microbial communities in the world's largest acidic volcanic lake, Kawah Ijen in Indonesia, and in the Banyupahit river originating from it. <i>Microbial Ecology</i> , 2006 , 52, 609-18	4.4	18
30	Sulfur diagenesis under rapid accumulation of organic-rich sediments in a marine mangrove from Guadeloupe (French West Indies). <i>Chemical Geology</i> , 2017 , 454, 67-79	4.2	17
29	Bioavailability of organic matter in a freshwater estuarine sediment: long-term degradation experiments with and without nitrate supply. <i>Biogeochemistry</i> , 2009 , 94, 13-28	3.8	16
28	34S/32S fractionation by sulfate-reducing microbial communities in estuarine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 3903-3914	5.5	15
27	Bacterial community structure and metabolic profiles in a forest soil exhibiting spatially variable net nitrate production. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1581-1588	7.5	15

26	Spatial variation in net nitrate production in a N-saturated coniferous forest soil. <i>Forest Ecology and Management</i> , 2002 , 161, 123-132	3.9	15
25	Coexistence of aerobic chemotrophic and anaerobic phototrophic sulfur bacteria under oxygen limitation. <i>FEMS Microbiology Ecology</i> , 1996 , 19, 141-151	4.3	15
24	Carbon availability limits potential denitrification in watercress farm sediment. <i>Ecological Engineering</i> , 2012 , 49, 212-220	3.9	14
23	Nitrate ammonification in mangrove soils: a hidden source of nitrite?. <i>Frontiers in Microbiology</i> , 2015 , 6, 166	5.7	13
22	The effect of oxygen, pH and organic carbon on soil-layer specific denitrifying capacity in acid coniferous forest. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 683-687	7.5	13
21	Spatial and Temporal Variability of Sediment Organic Matter Recycling in Two Temperate Eutrophicated Estuaries. <i>Aquatic Geochemistry</i> , 2013 , 19, 517-542	1.7	12
20	Is site preference of N ₂ O a tool to identify benthic denitrifier N ₂ O?. <i>Environmental Chemistry</i> , 2013 , 10, 281	3.2	12
19	Modeling nitrogen cycling in a coastal fresh water sediment. <i>Hydrobiologia</i> , 2007 , 584, 27-36	2.4	11
18	Controls on the Isotopic Composition of Nitrite (N and D) during Denitrification in Freshwater Sediments. <i>Scientific Reports</i> , 2019 , 9, 19206	4.9	10
17	Dynamics of organic matter in the Seine Estuary (France): Bulk and structural approaches. <i>Marine Chemistry</i> , 2019 , 212, 108-119	3.7	7
16	Benthic nitrite exchanges in the Seine River (France): An early diagenetic modeling analysis. <i>Science of the Total Environment</i> , 2018 , 628-629, 580-593	10.2	7
15	Mapping gas exchanges in headwater streams with membrane inlet mass spectrometry. <i>Journal of Hydrology</i> , 2020 , 581, 124398	6	7
14	Importance of nitrate reduction in benthic carbon mineralization in two eutrophic estuaries: Modeling, observations and laboratory experiments. <i>Marine Chemistry</i> , 2018 , 199, 24-36	3.7	6
13	What do we need to predict groundwater nitrate recovery trajectories?. <i>Science of the Total Environment</i> , 2021 , 788, 147661	10.2	5
12	Nitrifying Kinetics and the Persistence of Nitrite in the Seine River, France. <i>Journal of Environmental Quality</i> , 2017 , 46, 585-595	3.4	4
11	Sediment characteristics and microbial mats in a marine mangrove, Manche-Eau lagoon (Guadeloupe). <i>Journal of Soils and Sediments</i> , 2017 , 17, 1999-2010	3.4	4
10	AcidBase activity of microorganisms. <i>Journal of Geochemical Exploration</i> , 2006 , 88, 181-185	3.8	3
9	Synergetic effect of antibiotic mixtures on soil bacterial N ₂ O-reducing communities. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1873-1878	13.3	2

8	Isotopic evidence for alteration of nitrous oxide emissions and producing pathwaysTcontribution under nitrifying conditions. <i>Biogeosciences</i> , 2020 , 17, 979-993	4.6	1
7	Vulnerability and Resilience of Estuaries to Contamination by Antibiotics and Antibiotic-Resistant Bacteria: A Challenge for the Next Decade 2014 , 65-93		1
6	Temporal and spatial variations in benthic nitrogen cycling in a temperate macro-tidal coastal ecosystem: Observation and modeling. <i>Continental Shelf Research</i> , 2022 , 235, 104649	2.4	0
5	Estuarine benthic nitrate reduction rates: Potential role of microalgae?. <i>Estuarine, Coastal and Shelf Science</i> , 2021 , 257, 107394	2.9	0
4	Diagenetic Modeling of Organic Matter Recycling in Two Eutrophicated Estuaries: Bioirrigation Effect. <i>Advances in Science, Technology and Innovation</i> , 2018 , 1663-1664	0.3	
3	Analytical pitfalls when using inhibitors in specific nitrification assays. <i>Environmental Chemistry</i> , 2021 , 18, 295	3.2	
2	Modeling nitrogen cycling in a coastal fresh water sediment 2007 , 27-36		
1	Are benthic nutrient fluxes from intertidal mudflats driven by surface sediment characteristics?. <i>Comptes Rendus - Geoscience</i> , 2021 , 353, 173-191	1.4	