

Anniet M Laverman

List of Publications by Year in Descending Order

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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	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
60	Analytical pitfalls when using inhibitors in specific nitrification assays. <i>Environmental Chemistry</i> , 2021 , 18, 295	3.2	
59	Are benthic nutrient fluxes from intertidal mudflats driven by surface sediment characteristics?. <i>Comptes Rendus - Geoscience</i> , 2021 , 353, 173-191	1.4	
58	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
57	Estuarine benthic nitrate reduction rates: Potential role of microalgae?. <i>Estuarine, Coastal and Shelf Science</i> , 2021 , 257, 107394	2.9	0
56	What do we need to predict groundwater nitrate recovery trajectories?. <i>Science of the Total Environment</i> , 2021 , 788, 147661	10.2	5
55	Predicting Nutrient Incontinence in the Anthropocene at Watershed Scales. <i>Frontiers in Environmental Science</i> , 2020 , 7,	4.8	26
54	Isotopic evidence for alteration of nitrous oxide emissions and producing pathways contribution under nitrifying conditions. <i>Biogeosciences</i> , 2020 , 17, 979-993	4.6	1
53	Mapping gas exchanges in headwater streams with membrane inlet mass spectrometry. <i>Journal of Hydrology</i> , 2020 , 581, 124398	6	7
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	Dynamics of organic matter in the Seine Estuary (France): Bulk and structural approaches. <i>Marine Chemistry</i> , 2019 , 212, 108-119	3.7	7
50	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
49	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
48	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	
47	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
46	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
45	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

44	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
43	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
42	Using multi-tracer inference to move beyond single-catchment ecohydrology. <i>Earth-Science Reviews</i> , 2016 , 160, 19-42	10.2	105
41	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
40	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
39	Nitrate ammonification in mangrove soils: a hidden source of nitrite?. <i>Frontiers in Microbiology</i> , 2015 , 6, 166	5.7	13
38	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
37	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
36	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
35	Vulnerability and Resilience of Estuaries to Contamination by Antibiotics and Antibiotic-Resistant Bacteria: A Challenge for the Next Decade 2014 , 65-93		1
34	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
33	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
32	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
31	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
30	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
29	Carbon availability limits potential denitrification in watercress farm sediment. <i>Ecological Engineering</i> , 2012 , 49, 212-220	3.9	14
28	Environmental controls on nitrogen and sulfur cycles in surficial aquatic sediments. <i>Frontiers in Microbiology</i> , 2012 , 3, 45	5.7	19
27	34S/32S fractionation by sulfate-reducing microbial communities in estuarine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 3903-3914	5.5	15

26	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
25	Nitrous oxide production kinetics during nitrate reduction in river sediments. <i>Water Research</i> , 2010 , 44, 1753-64	12.5	46
24	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
23	Comparison of deep-sea sediment microbial communities in the Eastern Mediterranean. <i>FEMS Microbiology Ecology</i> , 2008 , 64, 362-77	4.3	58
22	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
21	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
20	Modeling nitrogen cycling in a coastal fresh water sediment. <i>Hydrobiologia</i> , 2007 , 584, 27-36	2.4	11
19	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
18	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
17	Modeling nitrogen cycling in a coastal fresh water sediment 2007 , 27-36		
16	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
15	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
14	Acid-Base activity of live bacteria: Implications for quantifying cell wall charge. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 267-276	5.5	42
13	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
12	Acid-Base activity of microorganisms. <i>Journal of Geochemical Exploration</i> , 2006 , 88, 181-185	3.8	3
11	Potential rates and pathways of microbial nitrate reduction in coastal sediments. <i>FEMS Microbiology Ecology</i> , 2006 , 58, 179-92	4.3	65
10	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
9	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

8	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
7	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
6	Spatiotemporal Stability of an Ammonia-Oxidizing Community in a Nitrogen-Saturated Forest Soil. <i>Microbial Ecology</i> , 2001 , 42, 35-45	4.4	72
5	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
4	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
3	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
2	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
1	Coexistence of aerobic chemotrophic and anaerobic phototrophic sulfur bacteria under oxygen limitation. <i>FEMS Microbiology Ecology</i> , 1996 , 19, 141-151	4.3	15