

Thaumarchaeal ecotype distributions across the equator potential roles in nitrification and sinking flux attenuation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Free-living chemoautotrophic and particle-associated heterotrophic prokaryotes dominate microbial assemblages along a pelagic redox gradient. <i>Environmental Microbiology</i> , 2018, 20, 693-712.	1.8	46
2	Community composition of nitrous oxide reducing bacteria investigated using a functional gene microarray. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 156, 44-50.	0.6	6
3	Spatiotemporal Dynamics of Ammonia-Oxidizing Thaumarchaeota in Distinct Arctic Water Masses. <i>Frontiers in Microbiology</i> , 2018, 9, 24.	1.5	48
4	Ecological control of nitrite in the upper ocean. <i>Nature Communications</i> , 2018, 9, 1206.	5.8	107
5	The response of the marine nitrogen cycle to ocean acidification. <i>Global Change Biology</i> , 2018, 24, 5031-5043.	4.2	42
6	Depth distributions of nitrite reductase (<i>nirK</i>) gene variants reveal spatial dynamics of thaumarchaeal ecotype populations in coastal Monterey Bay. <i>Environmental Microbiology</i> , 2019, 21, 4032-4045.	1.8	14
7	Niche Differentiation of Aerobic and Anaerobic Ammonia Oxidizers in a High Latitude Deep Oxygen Minimum Zone. <i>Frontiers in Microbiology</i> , 2019, 10, 2141.	1.5	44
8	Differential Distribution and Determinants of Ammonia Oxidizing Archaea Sublineages in the Oxygen Minimum Zone off Costa Rica. <i>Microorganisms</i> , 2019, 7, 453.	1.6	9
9	Overlooked Genetic Diversity of Ammonia Oxidizing Archaea Lineages in the Global Oceans. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1799-1811.	1.3	23
10	Vertical distribution of particle-associated and free-living ammonia-oxidizing archaea in Suruga Bay, a deep coastal embayment of Japan. <i>Archives of Microbiology</i> , 2019, 201, 1141-1146.	1.0	4
11	Iron requirements and uptake strategies of the globally abundant marine ammonia-oxidising archaeon, <i>Nitrosopumilus maritimus</i> SCM1. <i>ISME Journal</i> , 2019, 13, 2295-2305.	4.4	38
12	Coupled effect of substrate and light on assimilation and oxidation of regenerated nitrogen in the euphotic ocean. <i>Limnology and Oceanography</i> , 2019, 64, 1270-1283.	1.6	21
13	Processes and Microorganisms Involved in the Marine Nitrogen Cycle: Knowledge and Gaps. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	85
14	Planktonic Marine Archaea. <i>Annual Review of Marine Science</i> , 2019, 11, 131-158.	5.1	129
15	Microbial oxidation of nitrogen supplied as selected organic nitrogen compounds in the South Atlantic Bight. <i>Limnology and Oceanography</i> , 2019, 64, 982-995.	1.6	25
16	Differential co-occurrence relationships shaping ecotype diversification within <i>Thaumarchaeota</i> populations in the coastal ocean water column. <i>ISME Journal</i> , 2019, 13, 1144-1158.	4.4	80
17	Cyanate and urea are substrates for nitrification by Thaumarchaeota in the marine environment. <i>Nature Microbiology</i> , 2019, 4, 234-243.	5.9	103
18	Discovery of several novel, widespread, and ecologically distinct marine <i>Thaumarchaeota</i> viruses that encode <i>amoC</i> nitrification genes. <i>ISME Journal</i> , 2019, 13, 618-631.	4.4	103

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19	Distribution of mercury cycling genes in the Arctic and equatorial Pacific Oceans and their relationship to mercury speciation. <i>Limnology and Oceanography</i> , 2020, 65, S310.	1.6	43
20	Hurricane Disturbance Stimulated Nitrification and Altered Ammonia Oxidizer Community Structure in Lake Okeechobee and St. Lucie Estuary (Florida). <i>Frontiers in Microbiology</i> , 2020, 11, 1541.	1.5	15
21	Simulation of Enhanced Growth of Marine Group II Euryarchaeota From the Deep Chlorophyll Maximum of the Western Pacific Ocean: Implication for Upwelling Impact on Microbial Functions in the Photic Zone. <i>Frontiers in Microbiology</i> , 2020, 11, 571199.	1.5	3
22	Abundant nitrite-oxidizing metalloenzymes in the mesopelagic zone of the tropical Pacific Ocean. <i>Nature Geoscience</i> , 2020, 13, 355-362.	5.4	41
23	Characterization of the Fe metalloproteome of a ubiquitous marine heterotroph, <i>Pseudoalteromonas</i> (BB2-AT2): multiple bacterioferritin copies enable significant Fe storage. <i>Metallomics</i> , 2020, 12, 654-667.	1.0	16
24	Time series assessment of <i>Thaumarchaeota</i> ecotypes in Monterey Bay reveals the importance of water column position in predicting distribution environment relationships. <i>Limnology and Oceanography</i> , 2020, 65, 2041-2055.	1.6	21
25	Nitrifier adaptation to low energy flux controls inventory of reduced nitrogen in the dark ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4823-4830.	3.3	72
26	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. <i>Molecular Ecology</i> , 2020, 29, 1820-1838.	2.0	39
27	Nitrification and Nitrous Oxide Production in the Offshore Waters of the Eastern Tropical South Pacific. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006716.	1.9	25
28	Microbial perspective on the giant carbonate ridge Alpha Crucis (Southwestern Atlantic upper slope). <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	2
29	Marine ammonia-oxidising archaea and bacteria occupy distinct iron and copper niches. <i>ISME Communications</i> , 2021, 1, .	1.7	15
30	Genomes of Thaumarchaeota from deep sea sediments reveal specific adaptations of three independently evolved lineages. <i>ISME Journal</i> , 2021, 15, 2792-2808.	4.4	27
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33	Microbes mediating the sulfur cycle in the Atlantic Ocean and their link to chemolithoautotrophy. <i>Environmental Microbiology</i> , 2021, 23, 7152-7167.	1.8	3
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35	Dynamic prokaryotic communities in the dark western Mediterranean Sea. <i>Scientific Reports</i> , 2021, 11, 17859.	1.6	3
36	Nitrification and nitrous oxide dynamics in the Southern California Bight. <i>Limnology and Oceanography</i> , 2021, 66, 1099-1112.	1.6	13
39	Regional patterns in ammonia-oxidizing communities throughout Chukchi Sea waters from the Bering Strait to the Beaufort Sea. <i>Aquatic Microbial Ecology</i> , 2017, 79, 273-286.	0.9	9

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40	Hydrothermal trace metal release and microbial metabolism in the northeastern Lau Basin of the South Pacific Ocean. <i>Biogeosciences</i> , 2021, 18, 5397-5422.	1.3	11
41	Assimilation and oxidation of urea-derived nitrogen in the summer Arctic Ocean. <i>Limnology and Oceanography</i> , 2021, 66, 4159-4170.	1.6	6
42	New insight to niche partitioning and ecological function of ammonia oxidizing archaea in subtropical estuarine ecosystem. <i>Biogeosciences</i> , 2020, 17, 6017-6032.	1.3	4
44	Biogeography of Southern Ocean prokaryotes: a comparison of the Indian and Pacific sectors. <i>Environmental Microbiology</i> , 2022, 24, 2449-2466.	1.8	6
45	Phosphonate production by marine microbes: Exploring new sources and potential function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113386119.	3.3	31
46	Quantification of archaea-driven freshwater nitrification from single cell to ecosystem levels. <i>ISME Journal</i> , 2022, 16, 1647-1656.	4.4	10
60	Distribution and Oxidation Rates of Ammonia-Oxidizing Archaea Influenced by the Coastal Upwelling off Eastern Hainan Island. <i>Microorganisms</i> , 2022, 10, 952.	1.6	1
61	Pathway-Centric Analysis of Microbial Metabolic Potential and Expression Along Nutrient and Energy Gradients in the Western Atlantic Ocean. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	1
62	Effects of iron and light on microbial nitrogen cycles in the primary nitrite maxima of the eastern Indian Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 185, 103808.	0.6	1
63	Marine Microeukaryote Metatranscriptomics: Sample Processing and Bioinformatic Workflow Recommendations for Ecological Applications. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	8
64	Prokaryotic Life in the Deep Ocean's Water Column. <i>Annual Review of Marine Science</i> , 2023, 15, 461-483.	5.1	20
65	Ammonia-oxidizing archaea and ammonium concentration as drivers of nitrification in a protected freshwater lake. <i>Freshwater Science</i> , 0, , 000-000.	0.9	1
66	Microbial functional diversity across biogeochemical provinces in the central Pacific Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	9
67	Epipelagic nitrous oxide production offsets carbon sequestration by the biological pump. <i>Nature Geoscience</i> , 2023, 16, 29-36.	5.4	7
68	Controls on the relative abundances and rates of nitrifying microorganisms in the ocean. <i>Biogeosciences</i> , 2022, 19, 5401-5418.	1.3	5
69	Metatranscriptomes reveal the diverse responses of <i>Thaumarchaeota</i> ecotypes to environmental variations in the northern slope of the South China Sea. <i>Environmental Microbiology</i> , 0, , .	1.8	2
70	Network analysis of 16S rRNA sequences suggests microbial keystone taxa contribute to marine N ₂ O cycling. <i>Communications Biology</i> , 2023, 6, .	2.0	0
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