Bo Thamdrup

List of Publications by Year in Descending Order

165 papers	15,528 citations	64 h-index	123 g-index
178 ext. papers	17,618 ext. citations	7.6 avg, IF	6.68 L-index

#	Paper	IF	Citations
165	Oxygen and nitrogen production by an ammonia-oxidizing archaeon.. *Science*, **2022**, 375, 97-100	33.3	18
164	Microbial bioremediation of produced water under different redox conditions in marine sediments. *Water Research X*, **2022**, 100142	8.1	
163	Microbial bioremediation of produced water under different redox conditions in marine sediments.. *Water Research*, **2022**, 218, 118428	12.5	0
162	Anammox bacteria drive fixed nitrogen loss in hadal trench sediments. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
161	Influence of settling organic matter quantity and quality on benthic nitrogen cycling. *Limnology and Oceanography*, **2021**, 66, 1882-1895	4.8	4
160	High mercury accumulation in deep-ocean hadal sediments. *Scientific Reports*, **2021**, 11, 10970	4.9	4
159	Sulfur cycling in oceanic oxygen minimum zones. *Limnology and Oceanography*, **2021**, 66, 2360-2392	4.8	6
158	Microbial community structure in hadal sediments: high similarity along trench axes and strong changes along redox gradients. *ISME Journal*, **2021**, 15, 3455-3467	11.9	4
157	Spatial variability of prokaryotic and viral abundances in the Kermadec and Atacama Trench regions. *Limnology and Oceanography*, **2021**, 66, 2095-2109	4.8	8
156	Coupled nitrification and N gas production as a cryptic process in oxic riverbeds. *Nature Communications*, **2021**, 12, 1217	17.4	4
155	Hadal trenches are dynamic hotspots for early diagenesis in the deep sea. *Communications Earth & Environment*, **2021**, 2,	6.1	20
154	Controls of HS, Fe, and Mn on Microbial NO -Reducing Processes in Sediments of an Eutrophic Lake. *Frontiers in Microbiology*, **2020**, 11, 1158	5.7	7
153	Acetate-utilizing microbial communities revealed by stable-isotope probing in sediment underlying the upwelling system of the Ulleung Basin, East Sea. *Marine Ecology - Progress Series*, **2020**, 634, 45-61	2.6	2
152	Distinct nitrogen cycling and steep chemical gradients in Trichodesmium colonies. *ISME Journal*, **2020**, 14, 399-412	11.9	9
151	Nitrate reduction pathways and interactions with iron in the drainage water infiltration zone of a riparian wetland soil. *Biogeochemistry*, **2020**, 150, 235-255	3.8	7
150	Baltic Sea methanogens compete with acetogens for electrons from metallic iron. *ISME Journal*, **2019**, 13, 3011-3023	11.9	19
149	Extracellular Electron Uptake by Two Methanosarcina Species. *Frontiers in Energy Research*, **2019**, 7,	3.8	50

148	Anaerobic methane oxidation is an important sink for methane in the ocean's largest oxygen minimum zone. *Limnology and Oceanography*, **2019**, 64, 2569-2585	4.8	22
147	Anammox and partial nitritation in the mainstream of a wastewater treatment plant in a temperate region (Denmark). *Water Science and Technology*, **2019**, 79, 1397-1405	2.2	9
146	Benthic nitrogen cycling in the North Sea. *Continental Shelf Research*, **2019**, 185, 31-36	2.4	2
145	Impacts of typhoon-induced heavy rainfalls and resultant freshwater runoff on the partitioning of organic carbon oxidation and nutrient dynamics in the intertidal sediments of the Han River estuary, Yellow Sea. *Science of the Total Environment*, **2019**, 691, 858-867	10.2	9
144	The regulation of oxygen to low concentrations in marine oxygen-minimum zones. *Journal of Marine Research*, **2019**, 77, 297-324	1.5	4
143	DNA- and RNA-SIP Reveal spp. as Key Drivers of Nitrification in Groundwater-Fed Biofilters. *MBio*, **2019**, 10,	7.8	18
142	N2 production through denitrification and anammox across the continental margin (shelf□slope□rise) of the Ulleung Basin, East Sea. *Limnology and Oceanography*, **2018**, 63, S410-S424	4.8	10
141	Conductive Particles Enable Syntrophic Acetate Oxidation between and from Coastal Sediments. *MBio*, **2018**, 9,	7.8	47
140	Denitrification, anaerobic ammonium oxidation, and dissimilatory nitrate reduction to ammonium in an East African Great Lake (Lake Kivu). *Limnology and Oceanography*, **2018**, 63, 687-701	4.8	26
139	Effect of settled diatom-aggregates on benthic nitrogen cycling. *Limnology and Oceanography*, **2018**, 63, 431-444	4.8	10
138	Single cell genomic and transcriptomic evidence for the use of alternative nitrogen substrates by anammox bacteria. *ISME Journal*, **2018**, 12, 2706-2722	11.9	25
137	Freshwater copepod carcasses as pelagic microsites of dissimilatory nitrate reduction to ammonium. *FEMS Microbiology Ecology*, **2018**, 94,	4.3	4
136	Anaerobic methane oxidation and aerobic methane production in an east African great lake (Lake Kivu). *Journal of Great Lakes Research*, **2018**, 44, 1183-1193	3	12
135	Iron-dependent nitrogen cycling in a ferruginous lake and the nutrient status of Proterozoic oceans. *Nature Geoscience*, **2017**, 10, 217-221	18.3	35
134	N2 production rates limited by nitrite availability in the Bay of Bengal oxygen minimum zone. *Nature Geoscience*, **2017**, 10, 24-29	18.3	107
133	Nutrient availability limits biological production in Arctic sea ice melt ponds. *Polar Biology*, **2017**, 40, 1593-1606	2	9
132	The fate of nitrogen is linked to iron(II) availability in a freshwater lake sediment. *Geochimica Et Cosmochimica Acta*, **2017**, 205, 84-99	5.5	43
131	Novel anammox bacteria and nitrogen loss from Lake Superior. *Scientific Reports*, **2017**, 7, 13757	4.9	20

130	Vertical segregation among pathways mediating nitrogen loss (N₂ and N₂O production) across the oxygen gradient in a coastal upwelling ecosystem. *Biogeosciences*, **2017**, 14, 4795-4813	4.6	8
129	The fate of fixed nitrogen in marine sediments with low organic loading: an in situ study. *Biogeosciences*, **2017**, 14, 285-300	4.6	24
128	Challenges in using allylthiourea and chlorate as specific nitrification inhibitors. *Chemosphere*, **2017**, 182, 301-305	8.4	15
127	Metabolic potential and in situ activity of marine Marinimicrobia bacteria in an anoxic water column. *Environmental Microbiology*, **2017**, 19, 4392-4416	5.2	26
126	Low nitrous oxide production through nitrifier-denitrification in intermittent-feed high-rate nitritation reactors. *Water Research*, **2017**, 123, 429-438	12.5	27
125	Pathways and Controls of NO Production in Nitritation-Anammox Biomass. *Environmental Science & Technology*, **2017**, 51, 8981-8991	10.3	37
124	Manganese and iron reduction dominate organic carbon oxidation in surface sediments of the deep Ulleung Basin, East Sea. *Biogeosciences*, **2017**, 14, 941-958	4.6	26
123	Metagenomic Binning Recovers a Transcriptionally Active Gammaproteobacterium Linking Methanotrophy to Partial Denitrification in an Anoxic Oxygen Minimum Zone. *Frontiers in Marine Science*, **2017**, 4,	4.5	33
122	Fixed-Nitrogen Loss Associated with Sinking Zooplankton Carcasses in a Coastal Oxygen Minimum Zone (Golfo Dulce, Costa Rica). *Frontiers in Marine Science*, **2017**, 4,	4.5	5
121	Anaerobic Methanotrophic Archaea of the ANME-2d Cluster Are Active in a Low-sulfate, Iron-rich Freshwater Sediment. *Frontiers in Microbiology*, **2017**, 8, 619	5.7	55
120	Nitrogen Loss from Pristine Carbonate-Rock Aquifers of the Hainich Critical Zone Exploratory (Germany) Is Primarily Driven by Chemolithoautotrophic Anammox Processes. *Frontiers in Microbiology*, **2017**, 8, 1951	5.7	34
119	Nitrogen cycling and bacterial community structure of sinking and aging diatom aggregates. *Aquatic Microbial Ecology*, **2017**, 79, 85-99	1.1	9
118	Denitrification and DNRA at the Baltic Sea oxic–anoxic interface: Substrate spectrum and kinetics. *Limnology and Oceanography*, **2016**, 61, 1900-1915	4.8	47
117	Isotope fractionation and isotope decoupling during anammox and denitrification in marine sediments. *Limnology and Oceanography*, **2016**, 61, 610-624	4.8	18
116	BIOGEOCHEMISTRY. A new diet for methane oxidizers. *Science*, **2016**, 351, 658	33.3	14
115	NC10 bacteria in marine oxygen minimum zones. *ISME Journal*, **2016**, 10, 2067-71	11.9	77
114	Rates of N2 production and diversity and abundance of functional genes associated with denitrification and anaerobic ammonium oxidation in the sediment of the Amundsen Sea Polynya, Antarctica. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2016**, 123, 113-125	2.3	14
113	High Sulfur Isotope Fractionation Associated with Anaerobic Oxidation of Methane in a Low-Sulfate, Iron-Rich Environment. *Frontiers in Earth Science*, **2016**, 4,	3.5	25

112	Anaerobic Nitrogen Turnover by Sinking Diatom Aggregates at Varying Ambient Oxygen Levels. *Frontiers in Microbiology*, **2016**, 7, 98	5.7	37
111	Intracellular Nitrate of Marine Diatoms as a Driver of Anaerobic Nitrogen Cycling in Sinking Aggregates. *Frontiers in Microbiology*, **2016**, 7, 1669	5.7	24
110	Dissimilatory nitrate reduction to ammonium coupled to Fe(II) oxidation in sediments of a periodically hypoxic estuary. *Limnology and Oceanography*, **2016**, 61, 365-381	4.8	94
109	Ammonium and nitrite oxidation at nanomolar oxygen concentrations in oxygen minimum zone waters. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10601-6	11.5	134
108	SAR11 bacteria linked to ocean anoxia and nitrogen loss. *Nature*, **2016**, 536, 179-83	50.4	96
107	Vivianite formation and its role in phosphorus retention in Lake Fn, Denmark. *Chemical Geology*, **2015**, 409, 42-53	4.2	37
106	Size-fraction partitioning of community gene transcription and nitrogen metabolism in a marine oxygen minimum zone. *ISME Journal*, **2015**, 9, 2682-96	11.9	101
105	Significance of archaeal nitrification in hypoxic waters of the Baltic Sea. *ISME Journal*, **2015**, 9, 1319-32	11.9	49
104	Copepod carcasses as microbial hot spots for pelagic denitrification. *Limnology and Oceanography*, **2015**, 60, 2026-2036	4.8	33
103	Oxygenation of an anoxic fjord basin strongly stimulates benthic denitrification and DNRA. *Biogeochemistry*, **2015**, 126, 131-152	3.8	27
102	Biogeochemical and metagenomic analysis of nitrite accumulation in the Gulf of Mexico hypoxic zone. *Limnology and Oceanography*, **2015**, 60, 1733-1750	4.8	41
101	Seasonal carbon cycling in a Greenlandic fjord: an integrated pelagic and benthic study. *Marine Ecology - Progress Series*, **2015**, 539, 1-17	2.6	19
100	A model-based insight into the coupling of nitrogen and sulfur cycles in a coastal upwelling system. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 264-285	3.7	11
99	Anaerobic ammonium-oxidising bacteria: A biological source of the bacteriohopanetetrol stereoisomer in marine sediments. *Geochimica Et Cosmochimica Acta*, **2014**, 140, 50-64	5.5	36
98	The isotope effect of denitrification in permeable sediments. *Geochimica Et Cosmochimica Acta*, **2014**, 133, 156-167	5.5	18
97	Temporal dynamics of nitrogen loss in the coastal upwelling ecosystem off central Chile: Evidence of autotrophic denitrification through sulfide oxidation. *Limnology and Oceanography*, **2014**, 59, 1865-1878	4.8	33
96	Oxygen at nanomolar levels reversibly suppresses process rates and gene expression in anammox and denitrification in the oxygen minimum zone off northern Chile. *MBio*, **2014**, 5, e01966	7.8	153
95	Hydrogen, acetate, and lactate as electron donors for microbial manganese reduction in a manganese-rich coastal marine sediment. *FEMS Microbiology Ecology*, **2014**, 87, 733-45	4.3	21

94	Vertical partitioning of nitrogen-loss processes across the oxic-anoxic interface of an oceanic oxygen minimum zone. *Environmental Microbiology*, **2014**, 16, 3041-54	5.2	59
93	Nitrate-dependent anaerobic methane oxidation in a freshwater sediment. *Geochimica Et Cosmochimica Acta*, **2014**, 132, 141-150	5.5	51
92	Nitrogen losses in anoxic marine sediments driven by Thioploca-anammox bacterial consortia. *Nature*, **2013**, 500, 194-8	50.4	73
91	Benthic mineralization and solute exchange on a Celtic Sea sand-bank (Jones Bank). *Progress in Oceanography*, **2013**, 117, 64-75	3.8	8
90	Competition for inorganic carbon between oxygenic and anoxygenic phototrophs in a hypersaline microbial mat, Guerrero Negro, Mexico. *Environmental Microbiology*, **2013**, 15, 1532-50	5.2	12
89	Identification of acetate-oxidizing bacteria in a coastal marine surface sediment by RNA-stable isotope probing in anoxic slurries and intact cores. *FEMS Microbiology Ecology*, **2013**, 84, 373-86	4.3	27
88	Stark contrast in denitrification and anammox across the deep Norwegian trench in the Skagerrak. *Applied and Environmental Microbiology*, **2013**, 79, 7381-9	4.8	36
87	Anaerobic oxidation of methane in an iron-rich Danish freshwater lake sediment. *Limnology and Oceanography*, **2013**, 58, 546-554	4.8	103
86	Nitrogen isotope dynamics and fractionation during sedimentary denitrification in Boknis Eck, Baltic Sea. *Biogeosciences*, **2013**, 10, 3079-3088	4.6	31
85	A critical assessment of the occurrence and extend of oxygen contamination during anaerobic incubations utilizing commercially available vials. *Journal of Microbiological Methods*, **2012**, 88, 147-54	2.8	55
84	Controls on Mo isotope fractionations in a Mn-rich anoxic marine sediment, Gullmar Fjord, Sweden. *Chemical Geology*, **2012**, 296-297, 73-82	4.2	76
83	Widespread functional anoxia in the oxygen minimum zone of the Eastern South Pacific. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2012**, 65, 36-45	2.5	156
82	New Pathways and Processes in the Global Nitrogen Cycle. *Annual Review of Ecology, Evolution, and Systematics*, **2012**, 43, 407-428	13.5	188
81	Three manganese oxide-rich marine sediments harbor similar communities of acetate-oxidizing manganese-reducing bacteria. *ISME Journal*, **2012**, 6, 2078-90	11.9	72
80	Experimental incubations elicit profound changes in community transcription in OMZ bacterioplankton. *PLoS ONE*, **2012**, 7, e37118	3.7	54
79	Anammox and denitrification in the oxygen minimum zone of the eastern South Pacific. *Limnology and Oceanography*, **2012**, 57, 1331-1346	4.8	188
78	Construction of STOX oxygen sensors and their application for determination of O2 concentrations in oxygen minimum zones. *Methods in Enzymology*, **2011**, 486, 325-41	1.7	26
77	A cryptic sulfur cycle in oxygen-minimum-zone waters off the Chilean coast. *Science*, **2010**, 330, 1375-8	33.3	424

76	Nitrogen cycling in a deep ocean margin sediment (Sagami Bay, Japan). *Limnology and Oceanography*, **2009**, 54, 723-734	4.8	78
75	Pathways, rates, and regulation of N2 production in the chemocline of an anoxic basin, Mariager Fjord, Denmark. *Marine Chemistry*, **2009**, 113, 102-113	3.7	65
74	Anammox bacteria and the anaerobic oxidation of ammonium in the oxygen minimum zone off northern Chile. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2009**, 56, 1021-1031	2.3	90
73	Determination of ultra-low oxygen concentrations in oxygen minimum zones by the STOX sensor. *Limnology and Oceanography: Methods*, **2009**, 7, 371-381	2.6	189
72	Rates and regulation of anaerobic ammonium oxidation and denitrification in the Black Sea. *Limnology and Oceanography*, **2008**, 53, 23-36	4.8	141
71	Geochemistry. New players in an ancient cycle. *Science*, **2007**, 317, 1508-9	33.3	5
70	Anaerobic ammonium-oxidizing bacteria in marine environments: widespread occurrence but low diversity. *Environmental Microbiology*, **2007**, 9, 1476-84	5.2	257
69	Linking crenarchaeal and bacterial nitrification to anammox in the Black Sea. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7104-9	11.5	444
68	Effects of specific inhibitors on anammox and denitrification in marine sediments. *Applied and Environmental Microbiology*, **2007**, 73, 3151-8	4.8	89
67	A fast numerical solution to the general mass-conservation equation for solutes and solids in aquatic sediments. *Journal of Marine Research*, **2007**, 65, 317-343	1.5	4
66	ANAEROBIC AMMONIUM OXIDATION IN THE MARINE ENVIRONMENT **2006**, 311-335		14
65	Anaerobic ammonium oxidation in the oxygen-deficient waters off northern Chile. *Limnology and Oceanography*, **2006**, 51, 2145-2156	4.8	233
64	Anaerobic ammonium oxidation in a tropical freshwater system (Lake Tanganyika). *Environmental Microbiology*, **2006**, 8, 1857-63	5.2	246
63	Composition and diagenesis of neutral carbohydrates in sediments of the Baltic-North Sea transition. *Geochimica Et Cosmochimica Acta*, **2005**, 69, 4085-4099	5.5	23
62	Anaerobic ammonium oxidation (anammox) in the marine environment. *Research in Microbiology*, **2005**, 156, 457-64	4	454
61	Carbon Fixation and Phototrophy. *Advances in Marine Biology*, **2005**, 48, 95-127	2.1	3
60	The Phosphorus Cycle. *Advances in Marine Biology*, **2005**, 48, 419-440	2.1	12
59	The Silicon Cycle. *Advances in Marine Biology*, **2005**, 48, 441-463	2.1	9

58	Thermodynamics and Microbial Metabolism. *Advances in Marine Biology*, **2005**, 48, 65-94	2.1	5
57	Heterotrophic Carbon Metabolism. *Advances in Marine Biology*, **2005**, 48, 129-166	2.1	11
56	The Nitrogen Cycle. *Advances in Marine Biology*, **2005**, 205-267	2.1	11
55	The Methane Cycle. *Advances in Marine Biology*, **2005**, 48, 383-418	2.1	13
54	Nitrogen removal in marine environments: recent findings and future research challenges. *Marine Chemistry*, **2005**, 94, 125-145	3.7	126
53	Mathematical simulation of the diel O, S, and C biogeochemistry of a hypersaline microbial mat. *FEMS Microbiology Ecology*, **2005**, 52, 377-95	4.3	27
52	34S/32S and 18O/16O Fractionation During Sulfur Disproportionation by Desulfobulbus propionicus. *Geomicrobiology Journal*, **2005**, 22, 219-226	2.5	71
51	Aquatic geomicrobiology. *Advances in Marine Biology*, **2005**, 48, 1-599	2.1	30
50	Effect of low sulfate concentrations on lactate oxidation and isotope fractionation during sulfate reduction by Archaeoglobus fulgidus strain Z. *Applied and Environmental Microbiology*, **2005**, 71, 3770-7	4.8	69
49	Methane production by microbial mats under low sulphate concentrations. *Geobiology*, **2004**, 2, 87-96	4.3	43
48	Pathways of organic carbon oxidation in a deep lacustrine sediment, Lake Michigan. *Limnology and Oceanography*, **2004**, 49, 2046-2057	4.8	42
47	Rates and regulation of microbial iron reduction in sediments of the Baltic-North Sea transition. *Biogeochemistry*, **2003**, 65, 295-317	3.8	87
46	Anaerobic ammonium oxidation by marine and freshwater planctomycete-like bacteria. *Applied Microbiology and Biotechnology*, **2003**, 63, 107-14	5.7	143
45	N2 production by the anammox reaction in the anoxic water column of Golfo Dulce, Costa Rica. *Nature*, **2003**, 422, 606-8	50.4	499
44	Dynamic Modeling of Early Diagenesis and Nutrient Cycling. A Case Study in an Artic Marine Sediment. *Numerische Mathematik*, **2003**, 303, 905-955	5.3	115
43	Factors controlling anaerobic ammonium oxidation with nitrite in marine sediments. *Applied and Environmental Microbiology*, **2002**, 68, 3802-8	4.8	248
42	Production of N(2) through anaerobic ammonium oxidation coupled to nitrate reduction in marine sediments. *Applied and Environmental Microbiology*, **2002**, 68, 1312-8	4.8	765
41	Calibration of sulfate levels in the archean ocean. *Science*, **2002**, 298, 2372-4	33.3	585

40	Influence of water column dynamics on sulfide oxidation and other major biogeochemical processes in the chemocline of Mariager Fjord (Denmark). *Marine Chemistry*, **2001**, 74, 29-51	3.7	126
39	Anaerobic sulfide oxidation and stable isotope fractionation associated with bacterial sulfur disproportionation in the presence of MnO2. *Geochimica Et Cosmochimica Acta*, **2001**, 65, 1573-1581	5.5	116
38	Oxygen and sulfur isotope fractionation during anaerobic bacterial disproportionation of elemental sulfur. *Geochimica Et Cosmochimica Acta*, **2001**, 65, 1601-1609	5.5	200
37	High-resolution metal gradients measured by in situ DGT/DET deployment in Black Sea sediments using an autonomous benthic lander. *Limnology and Oceanography*, **2001**, 46, 982-988	4.8	59
36	Bacterial Manganese and Iron Reduction in Aquatic Sediments. *Advances in Microbial Ecology*, **2000**, 41-84		402
35	The fate of ammonium in anoxic manganese oxide-rich marine sediment. *Geochimica Et Cosmochimica Acta*, **2000**, 64, 4157-4164	5.5	105
34	The Archean sulfur cycle and the early history of atmospheric oxygen. *Science*, **2000**, 288, 658-61	33.3	367
33	The Archean atmosphere and sedimentary sulfides. *Science*, **2000**, 289, 1297-8	33.3	3
32	Microbial manganese and sulfate reduction in Black Sea shelf sediments. *Applied and Environmental Microbiology*, **2000**, 66, 2888-97	4.8	130
31	Benthic carbon mineralization in a high-Arctic sound (Young Sound, NE Greenland). *Marine Ecology - Progress Series*, **2000**, 206, 59-71	2.6	48
30	Anoxic incubation of sediment in gas-tight plastic bags: a method for biogeochemical process studies. *Marine Ecology - Progress Series*, **2000**, 208, 273-282	2.6	104
29	Benthic Respiration in Aquatic Sediments **2000**, 86-103		21
28	The response of the microbial community of marine sediments to organic carbon input under anaerobic conditions. *Systematic and Applied Microbiology*, **1999**, 22, 237-48	4.2	80
27	Rates and pathways of carbon oxidation in permanently cold Arctic sediments. *Marine Ecology - Progress Series*, **1999**, 180, 7-21	2.6	94
26	Temperature dependence of aerobic respiration in a coastal sediment. *FEMS Microbiology Ecology*, **1998**, 25, 189-200	4.3	86
25	Isotope fractionation and sulfur metabolism by pure and enrichment cultures of elemental sulfur-disproportionating bacteria. *Limnology and Oceanography*, **1998**, 43, 253-264	4.8	120
24	Elemental sulfur and thiosulfate disproportionation by Desulfocapsa sulfoexigens sp. nov., a new anaerobic bacterium isolated from marine surface sediment. *Applied and Environmental Microbiology*, **1998**, 64, 119-25	4.8	227
23	Temperature dependence of oxygen respiration, nitrogen mineralization, and nitrification in Arctic sediments. *Aquatic Microbial Ecology*, **1998**, 15, 191-199	1.1	64

22	Temperature dependence of microbial degradation of organic matter in marine sediments:polysaccharide hydrolysis, oxygen consumption, and sulfate reduction. *Marine Ecology - Progress Series*, **1998**, 165, 59-70	2.6	126
21	Seasonal carbon and nutrient mineralization in a high-Arctic coastal marine sediment, Young Sound, Northeast Greenland. *Marine Ecology - Progress Series*, **1998**, 175, 261-276	2.6	125
20	Pathways of carbon oxidation in continental margin sediments off central Chile. *Limnology and Oceanography*, **1996**, 41, 1629-50	4.8	236
19	Fate of elemental sulfur in an intertidal sediment. *FEMS Microbiology Ecology*, **1996**, 19, 95-103	4.3	72
18	Distribution of bacterial populations in a stratified fjord (Mariager Fjord, Denmark) quantified by in situ hybridization and related to chemical gradients in the water column. *Applied and Environmental Microbiology*, **1996**, 62, 1391-404	4.8	121
17	Concentration and transport of nitrate by the mat-forming sulphur bacterium Thioploca. *Nature*, **1995**, 374, 713-715	50.4	346
16	Sulfur and iron cycling in a coastal sediment: Radiotracer studies and seasonal dynamics. *Biogeochemistry*, **1994**, 27, 129	3.8	78
15	Manganese oxidation and in situ manganese fluxes from a coastal sediment. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 2563-2570	5.5	109
14	Thiosulfate and sulfite distributions in porewater of marine sediments related to manganese, iron, and sulfur geochemistry. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 67-73	5.5	60
13	Manganese, iron and sulfur cycling in a coastal marine sediment, Aarhus bay, Denmark. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 5115-5129	5.5	486
12	The production of 34S-depleted sulfide during bacterial disproportionation of elemental sulfur. *Science*, **1994**, 266, 1973-5	33.3	456
11	The anaerobic degradation of organic matter in Danish coastal sediments: iron reduction, manganese reduction, and sulfate reduction. *Geochimica Et Cosmochimica Acta*, **1993**, 57, 3867-83	5.5	675
10	Pathways of organic carbon oxidation in three continental margin sediments. *Marine Geology*, **1993**, 113, 27-40	3.3	580
9	Iron-bound phosphorus in marine sediments as measured by bicarbonate-dithionite extraction. *Hydrobiologia*, **1993**, 253, 47-59	2.4	204
8	Bacterial disproportionation of elemental sulfur coupled to chemical reduction of iron or manganese. *Applied and Environmental Microbiology*, **1993**, 59, 101-8	4.8	287
7	Nitrogen Cycling in Sediments527-568		26
6	Sulfate- and iron-dependent anaerobic methane oxidation occurring side-by-side in freshwater lake sediment. *Limnology and Oceanography*,	4.8	1
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