

B B JÃ,rgensen

List of Publications by Year in descending order

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Version: 2024-02-01

270
papers

39,126
citations

2093

100
h-index

3094

187
g-index

279
all docs

279
docs citations

279
times ranked

18533
citing authors

#	ARTICLE	IF	CITATIONS
1	A marine microbial consortium apparently mediating anaerobic oxidation of methane. <i>Nature</i> , 2000, 407, 623-626.	13.7	2,636
2	Mineralization of organic matter in the sea bed—the role of sulphate reduction. <i>Nature</i> , 1982, 296, 643-645.	13.7	1,597
3	Anaerobic ammonium oxidation by anammox bacteria in the Black Sea. <i>Nature</i> , 2003, 422, 608-611.	13.7	1,081
4	The sulfur cycle of a coastal marine sediment (Limfjorden, Denmark)1. <i>Limnology and Oceanography</i> , 1977, 22, 814-832.	1.6	794
5	Measurement of bacterial sulfate reduction in sediments: Evaluation of a single-step chromium reduction method. <i>Biogeochemistry</i> , 1989, 8, 205.	1.7	702
6	Distributions of Microbial Activities in Deep Subseafloor Sediments. <i>Science</i> , 2004, 306, 2216-2221.	6.0	681
7	Microbial Reefs in the Black Sea Fueled by Anaerobic Oxidation of Methane. <i>Science</i> , 2002, 297, 1013-1015.	6.0	673
8	Microelectrodes: Their Use in Microbial Ecology. <i>Advances in Microbial Ecology</i> , 1986, , 293-352.	0.1	668
9	From The Cover: Massive nitrogen loss from the Benguela upwelling system through anaerobic ammonium oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6478-6483.	3.3	664
10	Biogeographical distribution and diversity of microbes in methane hydrate-bearing deep marine sediments on the Pacific Ocean Margin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2815-2820.	3.3	644
11	Diffusive boundary layers and the oxygen uptake of sediments and detritus1. <i>Limnology and Oceanography</i> , 1985, 30, 111-122.	1.6	638
12	Manganese, iron and sulfur cycling in a coastal marine sediment, Aarhus bay, Denmark. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 5115-5129.	1.6	584
13	Microbial life under extreme energy limitation. <i>Nature Reviews Microbiology</i> , 2013, 11, 83-94.	13.6	582
14	Feast and famine — microbial life in the deep-sea bed. <i>Nature Reviews Microbiology</i> , 2007, 5, 770-781.	13.6	577
15	Predominant archaea in marine sediments degrade detrital proteins. <i>Nature</i> , 2013, 496, 215-218.	13.7	526
16	Coral mucus functions as an energy carrier and particle trap in the reef ecosystem. <i>Nature</i> , 2004, 428, 66-70.	13.7	512
17	Dense Populations of a Giant Sulfur Bacterium in Namibian Shelf Sediments. <i>Science</i> , 1999, 284, 493-495.	6.0	453
18	A Thiosulfate Shunt in the Sulfur Cycle of Marine Sediments. <i>Science</i> , 1990, 249, 152-154.	6.0	446

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19	Big Bacteria. Annual Review of Microbiology, 2001, 55, 105-137.	2.9	445
20	Deep sub-seafloor prokaryotes stimulated at interfaces over geological time. Nature, 2005, 436, 390-394.	13.7	414
21	Prokaryotic cells of the deep sub-seafloor biosphere identified as living bacteria. Nature, 2005, 433, 861-864.	13.7	413
22	Concentration and transport of nitrate by the mat-forming sulphur bacterium Thioploca. Nature, 1995, 374, 713-715.	13.7	410
23	A single-cell view on the ecophysiology of anaerobic phototrophic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17861-17866.	3.3	388
24	Volatile Fatty Acids and Hydrogen as Substrates for Sulfate-Reducing Bacteria in Anaerobic Marine Sediment. Applied and Environmental Microbiology, 1981, 42, 5-11.	1.4	387
25	The Biogeochemical Sulfur Cycle of Marine Sediments. Frontiers in Microbiology, 2019, 10, 849.	1.5	375
26	Diffusion coefficients of sulfate and methane in marine sediments: Influence of porosity. Geochimica Et Cosmochimica Acta, 1993, 57, 571-578.	1.6	353
27	Bacterial Sulfate Reduction Above 100°C in Deep-Sea Hydrothermal Vent Sediments. Science, 1992, 258, 1756-1757.	6.0	342
28	Anaerobic methane oxidation and a deep H ₂ S sink generate isotopically heavy sulfides in Black Sea sediments. Geochimica Et Cosmochimica Acta, 2004, 68, 2095-2118.	1.6	341
29	Pathways and Microbiology of Thiosulfate Transformations and Sulfate Reduction in a Marine Sediment (Kattegat, Denmark). Applied and Environmental Microbiology, 1991, 57, 847-856.	1.4	329
30	Endospore abundance, microbial growth and necromass turnover in deep sub-seafloor sediment. Nature, 2012, 484, 101-104.	13.7	320
31	Ecology of the bacteria of the sulphur cycle with special reference to anoxic-oxic interface environments. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1982, 298, 543-561.	2.4	297
32	A cryptic sulfur cycle driven by iron in the methane zone of marine sediment (Aarhus Bay, Denmark). Geochimica Et Cosmochimica Acta, 2011, 75, 3581-3599.	1.6	288
33	Life under extreme energy limitation: a synthesis of laboratory- and field-based investigations. FEMS Microbiology Reviews, 2015, 39, 688-728.	3.9	288
34	Colorless Sulfur Bacteria, <i>Beggiatoa</i> spp. and <i>Thiovulum</i> spp., in O ₂ and H ₂ S Microgradients. Applied and Environmental Microbiology, 1983, 45, 1261-1270.	1.4	288
35	Biogeochemistry of pyrite and iron sulfide oxidation in marine sediments. Geochimica Et Cosmochimica Acta, 2002, 66, 85-92.	1.6	285
36	Distribution of sulfate-reducing bacteria, O ₂ , and H ₂ S in photosynthetic biofilms determined by oligonucleotide probes and microelectrodes. Applied and Environmental Microbiology, 1993, 59, 3840-3849.	1.4	281

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37	The diffusive boundary layer of sediments: Oxygen microgradients over a microbial mat. <i>Limnology and Oceanography</i> , 1990, 35, 1343-1355.	1.6	276
38	A cold chromium distillation procedure for radiolabeled sulfide applied to sulfate reduction measurements. <i>Limnology and Oceanography: Methods</i> , 2004, 2, 171-180.	1.0	263
39	Community Structure, Cellular rRNA Content, and Activity of Sulfate-Reducing Bacteria in Marine Arctic Sediments. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3592-3602.	1.4	259
40	Adaptation to Hydrogen Sulfide of Oxygenic and Anoxygenic Photosynthesis among Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 1986, 51, 398-407.	1.4	256
41	Complex burrows of the mud shrimp <i>Callinassa truncata</i> and their geochemical impact in the sea bed. <i>Nature</i> , 1996, 382, 619-622.	13.7	255
42	Origin, dynamics, and implications of extracellular DNA pools in marine sediments. <i>Marine Genomics</i> , 2015, 24, 185-196.	0.4	255
43	Microsensor Measurements of Sulfate Reduction and Sulfide Oxidation in Compact Microbial Communities of Aerobic Biofilms. <i>Applied and Environmental Microbiology</i> , 1992, 58, 1164-1174.	1.4	252
44	A modular method for the extraction of DNA and RNA, and the separation of DNA pools from diverse environmental sample types. <i>Frontiers in Microbiology</i> , 2015, 6, 476.	1.5	247
45	Seasonal Oxygen Depletion in the Bottom Waters of a Danish Fjord and Its Effect on the Benthic Community. <i>Oikos</i> , 1980, 34, 68.	1.2	239
46	Diversity and abundance of sulfate-reducing microorganisms in the sulfate and methane zones of a marine sediment, Black Sea. <i>Environmental Microbiology</i> , 2007, 9, 131-142.	1.8	233
47	A comparison of oxygen, nitrate, and sulfate respiration in coastal marine sediments. <i>Microbial Ecology</i> , 1979, 5, 105-115.	1.4	232
48	In situ experimental evidence of the fate of a phytodetritus pulse at the abyssal sea floor. <i>Nature</i> , 2003, 424, 763-766.	13.7	225
49	Nitrogen, Carbon, and Sulfur Metabolism in Natural <i>Thioploca</i> Samples. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3148-3157.	1.4	223
50	Sulfate reduction and anaerobic methane oxidation in Black Sea sediments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2001, 48, 2097-2120.	0.6	222
51	Characterization of Specific Membrane Fatty Acids as Chemotaxonomic Markers for Sulfate-Reducing Bacteria Involved in Anaerobic Oxidation of Methane. <i>Geomicrobiology Journal</i> , 2003, 20, 403-419.	1.0	222
52	Psychrophilic sulfate-reducing bacteria isolated from permanently cold Arctic marine sediments: description of <i>Desulfofrigus oceanense</i> gen. nov., sp. nov., <i>Desulfofrigus fragile</i> sp. nov., <i>Desulfofaba gelida</i> gen. nov., sp. nov., <i>Desulfotalea psychrophila</i> gen. nov., sp. nov. and <i>Desulfotalea arctica</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1631-1643.	0.8	221
53	Sulfide oxidation in the anoxic Black Sea chemocline. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1991, 38, S1083-S1103.	1.6	214
54	Growth Pattern and Yield of a Chemoautotrophic <i>Beggiatoa</i> sp. in Oxygen-Sulfide Microgradients. <i>Applied and Environmental Microbiology</i> , 1986, 52, 225-233.	1.4	209

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55	Sulfate-Reducing Bacteria and Their Activities in Cyanobacterial Mats of Solar Lake (Sinai, Egypt). <i>Applied and Environmental Microbiology</i> , 1998, 64, 2943-2951.	1.4	204
56	Primary production of microalgae in sediments measured by oxygen microprofile, H_2 fixation, and oxygen exchange methods. <i>Limnology and Oceanography</i> , 1981, 26, 717-730.	1.6	197
57	Sulfate-reducing bacteria in marine sediment (Aarhus Bay, Denmark): abundance and diversity related to geochemical zonation. <i>Environmental Microbiology</i> , 2009, 11, 1278-1291.	1.8	195
58	Microbial community assembly and evolution in subseafloor sediment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2940-2945.	3.3	194
59	Global diffusive fluxes of methane in marine sediments. <i>Nature Geoscience</i> , 2018, 11, 421-425.	5.4	192
60	Sulphide-dependent anoxygenic photosynthesis in the cyanobacterium <i>Oscillatoria limnetica</i> . <i>Nature</i> , 1975, 257, 489-492.	13.7	190
61	Aerobic Microbial Respiration in 86-Million-Year-Old Deep-Sea Red Clay. <i>Science</i> , 2012, 336, 922-925.	6.0	190
62	A Constant Flux of Diverse Thermophilic Bacteria into the Cold Arctic Seabed. <i>Science</i> , 2009, 325, 1541-1544.	6.0	189
63	Kinetics of Sulfate and Acetate Uptake by <i>Desulfobacter postgatei</i> . <i>Applied and Environmental Microbiology</i> , 1984, 47, 403-408.	1.4	189
64	Solar Lake (Sinai). 5. The sulfur cycle of the benthic cyanobacterial mats. <i>Limnology and Oceanography</i> , 1977, 22, 657-666.	1.6	184
65	Microbial ecology of the stratified water column of the Black Sea as revealed by a comprehensive biomarker study. <i>Organic Geochemistry</i> , 2007, 38, 2070-2097.	0.9	184
66	Environmental control on anaerobic oxidation of methane in the gassy sediments of Eckernförde Bay (German Baltic). <i>Limnology and Oceanography</i> , 2005, 50, 1771-1786.	1.6	181
67	Regulation of bacterial sulfate reduction and hydrogen sulfide fluxes in the central Namibian coastal upwelling zone. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4505-4518.	1.6	176
68	Anaerobic oxidation of methane and sulfate reduction along the Chilean continental margin. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2767-2779.	1.6	173
69	Genome sequencing of a single cell of the widely distributed marine subsurface <i>Dehalococcoidia</i> phylum <i>Chloroflexi</i> . <i>ISME Journal</i> , 2014, 8, 383-397.	4.4	172
70	Biological and chemical sulfide oxidation in a Beggiatoa inhabited marine sediment. <i>ISME Journal</i> , 2007, 1, 341-353.	4.4	170
71	Phylogeny and physiology of candidate phylum <i>Atribacteria</i> (OP9/JS1) inferred from cultivation-independent genomics. <i>ISME Journal</i> , 2016, 10, 273-286.	4.4	166
72	Sulfate reduction and vertical distribution of sulfate-reducing bacteria quantified by rRNA slot-blot hybridization in a coastal marine sediment. <i>Environmental Microbiology</i> , 1999, 1, 65-74.	1.8	163

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73	Seasonal dynamics of elemental sulfur in two coastal sediments. <i>Estuarine, Coastal and Shelf Science</i> , 1982, 15, 255-266.	0.9	160
74	Microbial community in a sediment-hosted CO ₂ lake of the southern Okinawa Trough hydrothermal system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14164-14169.	3.3	159
75	Anaerobic ammonium oxidation by marine and freshwater planctomycete-like bacteria. <i>Applied Microbiology and Biotechnology</i> , 2003, 63, 107-114.	1.7	156
76	Sulfate reduction and the formation of ³⁵ S-labeled FeS, FeS ₂ , and SO in coastal marine sediments. <i>Limnology and Oceanography</i> , 1989, 34, 793-806.	1.6	151
77	Insights into the Genome of Large Sulfur Bacteria Revealed by Analysis of Single Filaments. <i>PLoS Biology</i> , 2007, 5, e230.	2.6	151
78	Pyritization processes and greigite formation in the advancing sulfidization front in the upper Pleistocene sediments of the Black Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2081-2093.	1.6	149
79	Symbiotic photosynthesis in a planktonic foraminiferan, <i>Globigerinoides sacculifer</i> (Brady), studied with microelectrodes. <i>Limnology and Oceanography</i> , 1985, 30, 1253-1267.	1.6	148
80	Influence of water column dynamics on sulfide oxidation and other major biogeochemical processes in the chemocline of Mariager Fjord (Denmark). <i>Marine Chemistry</i> , 2001, 74, 29-51.	0.9	142
81	Acetate, lactate, propionate, and isobutyrate as electron donors for iron and sulfate reduction in Arctic marine sediments, Svalbard. <i>FEMS Microbiology Ecology</i> , 2007, 59, 10-22.	1.3	141
82	Endospores of thermophilic bacteria as tracers of microbial dispersal by ocean currents. <i>ISME Journal</i> , 2014, 8, 1153-1165.	4.4	139
83	Succession of cable bacteria and electric currents in marine sediment. <i>ISME Journal</i> , 2014, 8, 1314-1322.	4.4	134
84	Slow Microbial Life in the Seabed. <i>Annual Review of Marine Science</i> , 2016, 8, 311-332.	5.1	134
85	The sulfur cycle of freshwater sediments: Role of thiosulfate. <i>Limnology and Oceanography</i> , 1990, 35, 1329-1342.	1.6	133
86	Microbial sulfate reduction in deep-sea sediments at the Guaymas Basin hydrothermal vent area: Influence of temperature and substrates. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3335-3343.	1.6	133
87	Seasonal dynamics of benthic O ₂ uptake in a semienclosed bay: Importance of diffusion and faunal activity. <i>Limnology and Oceanography</i> , 2003, 48, 1265-1276.	1.6	133
88	Biogeochemistry and biodiversity of methane cycling in subsurface marine sediments (Skagerrak). <i>Journal of Geophysical Research</i> , 2008, 113, G04001.	1.8	130
89	Control on rate and pathway of anaerobic organic carbon degradation in the seabed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 367-372.	3.3	126
90	Transition layer thickness at a fluid-porous interface. <i>Physics of Fluids</i> , 2005, 17, 057102.	1.6	123

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91	ECOLOGY: A Starving Majority Deep Beneath the Seafloor. <i>Science</i> , 2006, 314, 932-934.	6.0	122
92	Community Size and Metabolic Rates of Psychrophilic Sulfate-Reducing Bacteria in Arctic Marine Sediments. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4230-4233.	1.4	121
93	Oxygen Responses and Mat Formation by <i>Beggiatoa</i> spp. <i>Applied and Environmental Microbiology</i> , 1985, 50, 373-382.	1.4	117
94	Optical properties of benthic photosynthetic communities: Fiber-optic studies of cyanobacterial mats. <i>Limnology and Oceanography</i> , 1988, 33, 99-113.	1.6	116
95	Role of sulfate reduction and methane production by organic carbon degradation in eutrophic fjord sediments (Limfjorden, Denmark). <i>Limnology and Oceanography</i> , 2010, 55, 1338-1352.	1.6	116
96	Temperature dependence of aerobic respiration in a coastal sediment. <i>FEMS Microbiology Ecology</i> , 1998, 25, 189-200.	1.3	114
97	Spectral light measurements in microbenthic phototrophic communities with a fiber-optic microprobe coupled to a sensitive diode array detector. <i>Limnology and Oceanography</i> , 1992, 37, 1813-1823.	1.6	112
98	Temperature dependence and rates of sulfate reduction in cold sediments of svalbard, arctic ocean. <i>Geomicrobiology Journal</i> , 1998, 15, 85-100.	1.0	108
99	Deep subseafloor microbial cells on physiological standby. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18193-18194.	3.3	108
100	Oxidation and reduction of radiolabeled inorganic sulfur compounds in an estuarine sediment, Kysing Fjord, Denmark. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 2731-2742.	1.6	107
101	Methanogenic archaea and sulfate reducing bacteria co-cultured on acetate: teamwork or coexistence?. <i>Frontiers in Microbiology</i> , 2015, 6, 492.	1.5	107
102	Controls on stable sulfur isotope fractionation during bacterial sulfate reduction in Arctic sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 763-776.	1.6	106
103	Ecology of <i>Thioploca</i> spp.: Nitrate and Sulfur Storage in Relation to Chemical Microgradients and Influence of <i>Thioploca</i> spp. on the Sedimentary Nitrogen Cycle. <i>Applied and Environmental Microbiology</i> , 2001, 67, 5530-5537.	1.4	105
104	Effect of temperature on sulphate reduction, growth rate and growth yield in five psychrophilic sulphate-reducing bacteria from Arctic sediments. <i>Environmental Microbiology</i> , 1999, 1, 457-467.	1.8	100
105	Microoxic-Anoxic Niche of <i>Beggiatoa</i> spp.: Microelectrode Survey of Marine and Freshwater Strains. <i>Applied and Environmental Microbiology</i> , 1986, 52, 161-168.	1.4	98
106	Iron oxide reduction in methane-rich deep Baltic Sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 256-276.	1.6	95
107	<i>Desulfuromonas svalbardensis</i> sp. nov. and <i>Desulfuromusa ferrireducens</i> sp. nov., psychrophilic, Fe(III)-reducing bacteria isolated from Arctic sediments, Svalbard. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1133-1139.	0.8	93
108	Anoxic transformations of radiolabeled hydrogen sulfide in marine and freshwater sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 2425-2435.	1.6	92

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109	Phylogeny and distribution of nitrate-storing <i>Beggiatoa</i> spp. in coastal marine sediments. <i>Environmental Microbiology</i> , 2003, 5, 523-533.	1.8	91
110	Cryptic CH ₄ cycling in the sulfate–methane transition of marine sediments apparently mediated by ANME-1 archaea. <i>ISME Journal</i> , 2019, 13, 250-262.	4.4	90
111	Sulfide oxidation in marine sediments: Geochemistry meets microbiology. , 2004, , .		88
112	Diffusive boundary layers of the colony-forming plankton alga <i>Phaeocystis</i> sp. implications for nutrient uptake and cellular growth. <i>Limnology and Oceanography</i> , 1999, 44, 1959-1967.	1.6	86
113	Bacteria and Marine Biogeochemistry. , 2006, , 169-206.		86
114	Activity and community structures of sulfate-reducing microorganisms in polar, temperate and tropical marine sediments. <i>ISME Journal</i> , 2016, 10, 796-809.	4.4	85
115	The impact of temperature change on the activity and community composition of sulfate-reducing bacteria in arctic versus temperate marine sediments. <i>Environmental Microbiology</i> , 2009, 11, 1692-1703.	1.8	82
116	Dispersal of thermophilic <i>Desulfotomaculum</i> endospores into Baltic Sea sediments over thousands of years. <i>ISME Journal</i> , 2013, 7, 72-84.	4.4	82
117	The role of small-scale sediment topography for oxygen flux across the diffusive boundary layer. <i>Limnology and Oceanography</i> , 2002, 47, 837-847.	1.6	80
118	Bacterial sulfate reduction in hydrothermal sediments of the Guaymas Basin, Gulf of California, Mexico. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 827-841.	0.6	78
119	Single-Cell Genome and Group-Specific <i>dsrAB</i> Sequencing Implicate Marine Members of the Class <i>Dehalococcoidia</i> (Phylum <i>Chloroflexi</i>) in Sulfur Cycling. <i>MBio</i> , 2016, 7, .	1.8	78
120	Emissions of biogenic sulfur gases from a danish estuary. <i>Atmospheric Environment</i> , 1985, 19, 1737-1749.	1.1	77
121	Algal and archaeal polyisoprenoids in a recent marine sediment: Molecular isotopic evidence for anaerobic oxidation of methane. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	1.0	77
122	Effects of freeze–thaw cycles on anaerobic microbial processes in an Arctic intertidal mud flat. <i>ISME Journal</i> , 2010, 4, 585-594.	4.4	76
123	Formate, acetate, and propionate as substrates for sulfate reduction in sub-arctic sediments of Southwest Greenland. <i>Frontiers in Microbiology</i> , 2015, 6, 846.	1.5	76
124	Coexistence of Microaerophilic, Nitrate-Reducing, and Phototrophic Fe(II) Oxidizers and Fe(III) Reducers in Coastal Marine Sediment. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1433-1447.	1.4	76
125	Determination of dissimilatory sulfate reduction rates in marine sediment via radioactive ³⁵ S tracer. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 196-211.	1.0	75
126	Thermophilic bacterial sulfate reduction in deep-sea sediments at the Guaymas Basin hydrothermal vent site (Gulf of California). <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1990, 37, 695-710.	1.6	74

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127	Amino acid biogeo- and stereochemistry in coastal Chilean sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2970-2989.	1.6	74
128	Biogeochemistry of sulfur and iron in <i>Thioploca</i> -colonized surface sediments in the upwelling area off central Chile. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 827-843.	1.6	73
129	Bioturbation as a key driver behind the dominance of Bacteria over Archaea in near-surface sediment. <i>Scientific Reports</i> , 2017, 7, 2400.	1.6	73
130	Endospore abundance and d:l-amino acid modeling of bacterial turnover in Holocene marine sediment (Aarhus Bay). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 99, 87-99.	1.6	72
131	Control of sulphate and methane distributions in marine sediments by organic matter reactivity. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 104, 183-193.	1.6	72
132	Thiosulfate and sulfite distributions in porewater of marine sediments related to manganese, iron, and sulfur geochemistry. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 67-73.	1.6	70
133	Sulfate reduction below the sulfate-methane transition in Black Sea sediments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 493-504.	0.6	70
134	Single-Cell Genomics Reveals a Diverse Metabolic Potential of Uncultivated <i>Desulfatiglans</i> -Related <i>Deltaproteobacteria</i> Widely Distributed in Marine Sediment. <i>Frontiers in Microbiology</i> , 2018, 9, 2038.	1.5	69
135	Response of fermentation and sulfate reduction to experimental temperature changes in temperate and Arctic marine sediments. <i>ISME Journal</i> , 2008, 2, 815-829.	4.4	68
136	Evidence for the Existence of Autotrophic Nitrate-Reducing Fe(II)-Oxidizing Bacteria in Marine Coastal Sediment. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6120-6131.	1.4	68
137	Regulation of anaerobic methane oxidation in sediments of the Black Sea. <i>Biogeosciences</i> , 2009, 6, 1505-1518.	1.3	66
138	Sulfate Transporters in Dissimilatory Sulfate Reducing Microorganisms: A Comparative Genomics Analysis. <i>Frontiers in Microbiology</i> , 2018, 9, 309.	1.5	63
139	Seasonal dynamics of the depth and rate of anaerobic oxidation of methane in Aarhus Bay (Denmark) sediments. <i>Journal of Marine Research</i> , 2008, 66, 127-155.	0.3	62
140	Physiology and behaviour of marine <i>Thioploca</i> . <i>ISME Journal</i> , 2009, 3, 647-657.	4.4	62
141	Bacterial zonation, photosynthesis, and spectral light distribution in hot spring microbial mats of Iceland. <i>Microbial Ecology</i> , 1988, 16, 133-147.	1.4	61
142	Thermophilic anaerobes in Arctic marine sediments induced to mineralize complex organic matter at high temperature. <i>Environmental Microbiology</i> , 2010, 12, 1089-1104.	1.8	61
143	Concurrent low- and high-affinity sulfate reduction kinetics in marine sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2997-3010.	1.6	61
144	Microbial turnover times in the deep seabed studied by amino acid racemization modelling. <i>Scientific Reports</i> , 2017, 7, 5680.	1.6	61

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145	Active and diverse viruses persist in the deep sub-seafloor sediments over thousands of years. ISME Journal, 2019, 13, 1857-1864.	4.4	61
146	Oxygen uptake, bacterial distribution, and carbon-nitrogen-sulfur cycling in sediments from the baltic sea - North sea transition. Ophelia, 1989, 31, 29-49.	0.3	60
147	Effect of the diffusive boundary layer on benthic mineralization and O ₂ distribution: A theoretical model analysis. Limnology and Oceanography, 2007, 52, 547-557.	1.6	58
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