B B JÃ¸rgensen

List of Publications by Year
in descending order

270 papers	39,126 citations	2440 100 h-index	3595 187 g-index
279 all docs	279 docs citations	279 times ranked	20867 citing authors

#	Article	IF	Citations
1	Response to substrate limitation by a marine sulfate-reducing bacterium. ISME Journal, 2022, 16, 200-210.	4.4	7
2	Do methanogenic archaea cause reductive pyrite dissolution in subsurface sediments?. ISME Journal, 2022, 16, 1-2.	4.4	3
3	Multiple sulfur isotopes discriminate organoclastic and methane-based sulfate reduction by sub-seafloor pyrite formation. Geochimica Et Cosmochimica Acta, 2022, 316, 309-330.	1.6	28
4	Growth of microaerophilic Fe(II)â€•oxidizing bacteria using Fe(II) produced by Fe(III) photoreduction. Geobiology, 2022, 20, 421-434.	1.1	2
5	Influence of Fe(III) source, light quality, photon flux and presence of oxygen on photoreduction of Fe(III)-organic complexes â€“ Implications for light-influenced coastal freshwater and marine sediments. Science of the Total Environment, 2022, 814, 152767.	3.9	5
6	Rapid metabolism fosters microbial survival in the deep, hot subseafloor biosphere. Nature Communications, 2022, 13, 312.	5.8	21
7	Sediment oxygen consumption: Role in the global marine carbon cycle. Earth-Science Reviews, 2022, 228, 103987.	4.0	50
8	Biogeochemistry and microbiology of high Arctic marine sediment ecosystemsâ€"Case study of Svalbard fjords. Limnology and Oceanography, 2021, 66, S273.	1.6	15
9	Psychrophilic properties of sulfateâ€•reducing bacteria in Arctic marine sediments. Limnology and Oceanography, 2021, 66, S293.	1.6	8
10	Isotopically â€œheavyâ€• pyrite in marine sediments due to high sedimentation rates and non-steady-state deposition. Geology, 2021, 49, 816-821.	2.0	23
11	Potentially bioavailable iron produced through benthic cycling in glaciated Arctic fjords of Svalbard. Nature Communications, 2021, 12, 1349.	5.8	26
12	Benthic iron flux influenced by climateâ€•sensitive interplay between organic carbon availability and sedimentation rate in Arctic fjords. Limnology and Oceanography, 2021, 66, 3374-3392.	1.6	11
13	Interactions between temperature and energy supply drive microbial communities in hydrothermal sediment. Communications Biology, 2021, 4, 1006.	2.0	10
14	Tight benthic-pelagic coupling drives seasonal and interannual changes in ironâ€'sulfur cycling in Arctic fjord sediments (Kongsfjorden, Svalbard). Journal of Marine Systems, 2021, , 103645.	0.9	5
15	Early diagenesis of sulfur in Bornholm Basin sediments: The role of upward diffusion of isotopically â€œheavyâ€• sulfide. Geochimica Et Cosmochimica Acta, 2021, 313, 359-377.	1.6	7
16	Complete genome sequence of Desulfobacter hydrogenophilus AcRS1. Marine Genomics, 2020, 50, 100691.	0.4	7
17	Reactivity of Iron Minerals in the Seabed Toward Microbial Reduction â€“ A Comparison of Different Extraction Techniques. Geomicrobiology Journal, 2020, 37, 170-189.	1.0	22
18	Fe(III) Photoreduction Producing Fe_{aq}²⁺ in Oxic Freshwater Sediment. Environmental Science & Technology, 2020, 54, 862-869.	4.6	27

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19	Photochemistry of iron in aquatic environments. Environmental Sciences: Processes and Impacts, 2020, 22, 12-24.	1.7	49
20	Glacial controls on redox-sensitive trace element cycling in Arctic fjord sediments (Spitsbergen,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7(	1.6	19
21	Early diagenesis of iron and sulfur in Bornholm Basin sediments: The role of near-surface pyrite formation. Geochimica Et Cosmochimica Acta, 2020, 284, 43-60.	1.6	33
22	Macrofaunal control of microbial community structure in continental margin sediments. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15911-15922.	3.3	40
23	The multiple sulphur isotope fingerprint of a sub-seafloor oxidative sulphur cycle driven by iron. Earth and Planetary Science Letters, 2020, 536, 116165.	1.8	29
24	Glacial influence on the iron and sulfur cycles in Arctic fjord sediments (Svalbard). Geochimica Et Cosmochimica Acta, 2020, 280, 423-440.	1.6	20
25	Subâ€seafloor biogeochemical processes and microbial life in the Baltic Sea. Environmental Microbiology, 2020, 22, 1688-1706.	1.8	22
26	The effect of temperature on sulfur and oxygen isotope fractionation by sulfate reducing bacteria (<i>Desulfococcus multivorans</i>). FEMS Microbiology Letters, 2020, 367, .	0.7	9
27	Quantification of sulphide oxidation rates in marine sediment. Geochimica Et Cosmochimica Acta, 2020, 280, 441-452.	1.6	27
28	Large sulfur isotope fractionation by bacterial sulfide oxidation. Science Advances, 2019, 5, eaaw1480.	4.7	57
29	Factors controlling the carbon isotope composition of dissolved inorganic carbon and methane in marine porewater: An evaluation by reaction-transport modelling. Journal of Marine Systems, 2019, 200, 103227.	0.9	35
30	Origin of Short-Chain Organic Acids in Serpentinite Mud Volcanoes of the Mariana Convergent Margin. Frontiers in Microbiology, 2019, 10, 1729.	1.5	11
31	Sulphur and carbon isotopes as tracers of past sub-seafloor microbial activity. Scientific Reports, 2019, 9, 604.	1.6	19
32	Unravelling the sulphur cycle of marine sediments. Environmental Microbiology, 2019, 21, 3533-3538.	1.8	12
33	Freezing Tolerance of Thermophilic Bacterial Endospores in Marine Sediments. Frontiers in Microbiology, 2019, 10, 945.	1.5	18
34	Controls on volatile fatty acid concentrations in marine sediments (Baltic Sea). Geochimica Et Cosmochimica Acta, 2019, 258, 226-241.	1.6	38
35	Microbial biomass turnover times and clues to cellular protein repair in energy-limited deep Baltic Sea sediments. FEMS Microbiology Ecology, 2019, 95, .	1.3	9
36	Complex Microbial Communities Drive Iron and Sulfur Cycling in Arctic Fjord Sediments. Applied and Environmental Microbiology, 2019, 85, .	1.4	58

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37	Marine Deep Biosphere Microbial Communities Assemble in Near-Surface Sediments in Aarhus Bay. Frontiers in Microbiology, 2019, 10, 758.	1.5	54
38	Active and diverse viruses persist in the deep sub-seafloor sediments over thousands of years. ISME Journal, 2019, 13, 1857-1864.	4.4	61
39	Environmental filtering determines family-level structure of sulfate-reducing microbial communities in subsurface marine sediments. ISME Journal, 2019, 13, 1920-1932.	4.4	40
40	Organoclastic sulfate reduction in the sulfate-methane transition of marine sediments. Geochimica Et Cosmochimica Acta, 2019, 254, 231-245.	1.6	56
41	Historical Factors Associated With Past Environments Influence the Biogeography of Thermophilic Endospores in Arctic Marine Sediments. Frontiers in Microbiology, 2019, 10, 245.	1.5	21
42	The Biogeochemical Sulfur Cycle of Marine Sediments. Frontiers in Microbiology, 2019, 10, 849.	1.5	375
43	Cryptic CH4 cycling in the sulfateâ€"methane transition of marine sediments apparently mediated by ANME-1 archaea. ISME Journal, 2019, 13, 250-262.	4.4	90
44	Microbial Organic Matter Degradation Potential in Baltic Sea Sediments Is Influenced by Depositional Conditions and <i>In Situ</i> Geochemistry. Applied and Environmental Microbiology, 2019, 85, .	1.4	37
45	Methylotrophic methanogenesis fuels cryptic methane cycling in marine surface sediment. Limnology and Oceanography, 2018, 63, 1519-1527.	1.6	42
46	Control on rate and pathway of anaerobic organic carbon degradation in the seabed. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 367-372.	3.3	126
47	Metagenomes from deep Baltic Sea sediments reveal how past and present environmental conditions determine microbial community composition. Marine Genomics, 2018, 37, 58-68.	0.4	52
48	Single-Cell Genomics Reveals a Diverse Metabolic Potential of Uncultivated Desulfatiglans-Related Deltaproteobacteria Widely Distributed in Marine Sediment. Frontiers in Microbiology, 2018, 9, 2038.	1.5	69
49	Preservation of microbial DNA in marine sediments: insights from extracellular DNA pools. Environmental Microbiology, 2018, 20, 4526-4542.	1.8	48
50	Global diffusive fluxes of methane in marine sediments. Nature Geoscience, 2018, 11, 421-425.	5.4	192
51	The sulfur cycle below the sulfate-methane transition of marine sediments. Geochimica Et Cosmochimica Acta, 2018, 239, 74-89.	1.6	44
52	Bacterial interactions during sequential degradation of cyanobacterial necromass in a sulfidic arctic marine sediment. Environmental Microbiology, 2018, 20, 2927-2940.	1.8	50
53	Sulfate Transporters in Dissimilatory Sulfate Reducing Microorganisms: A Comparative Genomics Analysis. Frontiers in Microbiology, 2018, 9, 309.	1.5	63
54	Methane fluxes in marine sediments quantified through core analyses and seismo-acoustic mapping (Bornholm Basin, Baltic Sea). Geochimica Et Cosmochimica Acta, 2018, 239, 255-274.	1.6	18

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55	Microbial community assembly and evolution in subseafloor sediment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2940-2945.	3.3	194
56	Iron oxide reduction in methane-rich deep Baltic Sea sediments. Geochimica Et Cosmochimica Acta, 2017, 207, 256-276.	1.6	95
57	Iron-controlled oxidative sulfur cycling recorded in the distribution and isotopic composition of sulfur species in glacially influenced fjord sediments of west Svalbard. Chemical Geology, 2017, 466, 678-695.	1.4	33
58	Depth Distribution and Assembly of Sulfate-Reducing Microbial Communities in Marine Sediments of Aarhus Bay. Applied and Environmental Microbiology, 2017, 83, .	1.4	53
59	Microbial life in deep subseafloor coal beds. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11568-11570.	3.3	4
60	Thriving or surviving? Evaluating active microbial guilds in Baltic Sea sediment. Environmental Microbiology Reports, 2017, 9, 528-536.	1.0	39
61	Bioturbation as a key driver behind the dominance of Bacteria over Archaea in near-surface sediment. Scientific Reports, 2017, 7, 2400.	1.6	73
62	Microbial turnover times in the deep seabed studied by amino acid racemization modelling. Scientific Reports, 2017, 7, 5680.	1.6	61
63	The marine sulfate reducer Desulfobacterium autotrophicum HRM2 can switch between low and high apparent half-saturation constants for dissimilatory sulfate reduction. FEMS Microbiology Ecology, 2017, 93, .	1.3	24
64	Size and composition of subseafloor microbial community in the Benguela upwelling area examined from intact membrane lipid and DNA analysis. Organic Geochemistry, 2017, 111, 86-100.	0.9	19
65	Estimating the Abundance of Endospores of Sulfate-Reducing Bacteria in Environmental Samples by Inducing Germination and Exponential Growth. Geomicrobiology Journal, 2017, 34, 338-345.	1.0	11
66	Identity, Abundance, and Reactivation Kinetics of Thermophilic Fermentative Endospores in Cold Marine Sediment and Seawater. Frontiers in Microbiology, 2017, 8, 131.	1.5	29
67	Concurrent Methane Production and Oxidation in Surface Sediment from Aarhus Bay, Denmark. Frontiers in Microbiology, 2017, 8, 1198.	1.5	53
68	Off Limits: Sulfate below the Sulfate-Methane Transition. Frontiers in Earth Science, 2016, 4, .	0.8	25
69	Size and Carbon Content of Sub-seafloor Microbial Cells at Landsort Deep, Baltic Sea. Frontiers in Microbiology, 2016, 7, 1375.	1.5	24
70	Anaerobic microbial Fe(II) oxidation and Fe(III) reduction in coastal marine sediments controlled by organic carbon content. Environmental Microbiology, 2016, 18, 3159-3174.	1.8	42
71	Transcriptional analysis of sulfate reducing and chemolithoautotrophic sulfur oxidizing bacteria in the deep subseafloor. Environmental Microbiology Reports, 2016, 8, 452-460.	1.0	32
72	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. MBio, 2016, 7, .	1.8	78

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73	Evidence for the Existence of Autotrophic Nitrate-Reducing Fe(II)-Oxidizing Bacteria in Marine Coastal Sediment. Applied and Environmental Microbiology, 2016, 82, 6120-6131.	1.4	68
74	Controls on subsurface methane fluxes and shallow gas formation in Baltic Sea sediment (Aarhus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	57
75	Cellular content of biomolecules in sub-seafloor microbial communities. Geochimica Et Cosmochimica Acta, 2016, 188, 330-351.	1.6	20
76	Coexistence of Microaerophilic, Nitrate-Reducing, and Phototrophic Fe(II) Oxidizers and Fe(III) Reducers in Coastal Marine Sediment. Applied and Environmental Microbiology, 2016, 82, 1433-1447.	1.4	76
77	Activity and community structures of sulfate-reducing microorganisms in polar, temperate and tropical marine sediments. ISME Journal, 2016, 10, 796-809.	4.4	85
78	Phylogeny and physiology of candidate phylum â€˜Atribacteriaâ€™ (OP9/JS1) inferred from cultivation-independent genomics. ISME Journal, 2016, 10, 273-286.	4.4	166
79	Slow Microbial Life in the Seabed. Annual Review of Marine Science, 2016, 8, 311-332.	5.1	134
80	Viral activities and life cycles in deep subseafloor sediments. Environmental Microbiology Reports, 2015, 7, 868-873.	1.0	43
81	A modular method for the extraction of DNA and RNA, and the separation of DNA pools from diverse environmental sample types. Frontiers in Microbiology, 2015, 6, 476.	1.5	247
82	Methanogenic archaea and sulfate reducing bacteria co-cultured on acetate: teamwork or coexistence?. Frontiers in Microbiology, 2015, 6, 492.	1.5	107
83	Formate, acetate, and propionate as substrates for sulfate reduction in sub-arctic sediments of Southwest Greenland. Frontiers in Microbiology, 2015, 6, 846.	1.5	76
84	Ubiquitous Presence and Novel Diversity of Anaerobic Alkane Degraders in Cold Marine Sediments. Frontiers in Microbiology, 2015, 6, 1414.	1.5	30
85	Life under extreme energy limitation: a synthesis of laboratory- and field-based investigations. FEMS Microbiology Reviews, 2015, 39, 688-728.	3.9	288
86	Origin, dynamics, and implications of extracellular DNA pools in marine sediments. Marine Genomics, 2015, 24, 185-196.	0.4	255
87	Ammoniaâ€oxidizing B acteria of the N itrosospira cluster 1 dominate over ammoniaâ€oxidizing A rchaea in oligotrophic surface sediments near the S outh A tlantic G yre. Environmental Microbiology Reports, 2015, 7, 404-413.	1.0	22
88	Uncultured <scp><i>D</i></scp><i>esulfobacteraceae</i> and <scp>C</scp>renarchaeotal group <scp>C</scp>3 incorporate ¹³<scp>C</scp>â€acetate in coastal marine sediment. Environmental Microbiology Reports, 2015, 7, 614-622.	1.0	51
89	Determination of dissimilatory sulfate reduction rates in marine sediment via radioactive ³⁵S tracer. Limnology and Oceanography: Methods, 2014, 12, 196-211.	1.0	75
90	Endospores of thermophilic bacteria as tracers of microbial dispersal by ocean currents. ISME Journal, 2014, 8, 1153-1165.	4.4	139

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91	Genome sequencing of a single cell of the widely distributed marine subsurface <i>Dehalococcoidia,</i> phylum <i>Chloroflexi</i>. ISME Journal, 2014, 8, 383-397.	4.4	172
92	Succession of cable bacteria and electric currents in marine sediment. ISME Journal, 2014, 8, 1314-1322.	4.4	134
93	Sulfidization of lacustrine glacial clay upon Holocene marine transgression (Arkona Basin, Baltic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.6	38
94	Direct analysis of volatile fatty acids in marine sediment porewater by twoâ€dimensional ion chromatographyâ€mass spectrometry. Limnology and Oceanography: Methods, 2014, 12, 455-468.	1.0	46
95	Desulfoconvexum algidum gen. nov., sp. nov., a psychrophilic sulfate-reducing bacterium isolated from a permanently cold marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 959-964.	0.8	36
96	Effect of the aerenchymatous helophyte Glyceria maxima on the sulfate-reducing communities in two contrasting riparian grassland soils. Plant and Soil, 2013, 370, 73-87.	1.8	2
97	Predominant archaea in marine sediments degrade detrital proteins. Nature, 2013, 496, 215-218.	13.7	526
98	Dispersal of thermophilic <i>Desulfotomaculum</i> endospores into Baltic Sea sediments over thousands of years. ISME Journal, 2013, 7, 72-84.	4.4	82
99	Microbial life under extreme energy limitation. Nature Reviews Microbiology, 2013, 11, 83-94.	13.6	582
100	The Impact of Sediment and Carbon Fluxes on the Biogeochemistry of Methane and Sulfur in Littoral Baltic Sea Sediments (HimmerfjÃrden, Sweden). Estuaries and Coasts, 2013, 36, 98-115.	1.0	42
101	Control of sulphate and methane distributions in marine sediments by organic matter reactivity. Geochimica Et Cosmochimica Acta, 2013, 104, 183-193.	1.6	72
102	Cyclic 100-ka (glacial-interglacial) migration of subseafloor redox zonation on the Peruvian shelf. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18098-18103.	3.3	35
103	Abiotic Racemization Kinetics of Amino Acids in Marine Sediments. PLoS ONE, 2013, 8, e71648.	1.1	32
104	Endospore abundance, microbial growth and necromass turnover in deep sub-seafloor sediment. Nature, 2012, 484, 101-104.	13.7	320
105	Bacteriogenic Fe(III) (Oxyhydr)oxides Characterized by Synchrotron Microprobe Coupled with Spatially Resolved Phylogenetic Analysis. Environmental Science & Technology, 2012, 46, 3304-3311.	4.6	45
106	Shrinking majority of the deep biosphere. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15976-15977.	3.3	55
107	Preâ€column liquid chromatographic determination of dipicolinic acid from bacterial endospores. Limnology and Oceanography: Methods, 2012, 10, 227-233.	1.0	18
108	Endospore abundance and d:l-amino acid modeling of bacterial turnover in holocene marine sediment (Aarhus Bay). Geochimica Et Cosmochimica Acta, 2012, 99, 87-99.	1.6	72

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109	Temperature characteristics of bacterial sulfate reduction in continental shelf and slope sediments. Biogeosciences, 2012, 9, 3425-3435.	1.3	38
110	Aerobic Microbial Respiration in 86-Million-Year-Old Deep-Sea Red Clay. Science, 2012, 336, 922-925.	6.0	190
111	Estimation of biogeochemical rates from concentration profiles: A novel inverse method. Estuarine, Coastal and Shelf Science, 2012, 100, 26-37.	0.9	32
112	Concurrent low- and high-affinity sulfate reduction kinetics in marine sediment. Geochimica Et Cosmochimica Acta, 2011, 75, 2997-3010.	1.6	61
113	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
114	Sulfate reduction below the sulfateâ€“methane transition in Black Sea sediments. Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 493-504.	0.6	70
115	Motility patterns of filamentous sulfur bacteria, Beggiatoa spp.. FEMS Microbiology Ecology, 2011, 77, 176-185.	1.3	18
116	Deep subseafloor microbial cells on physiological standby. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18193-18194.	3.3	108
117	Contributions from the 9th International Conference on Gas in Marine Sediments, University of Bremen, 15â€“19 September 2008. Geo-Marine Letters, 2010, 30, 151-155.	0.5	5
118	Phosphate geochemistry, mineralization processes, and Thioploca distribution in shelf sediments off central Chile. Marine Geology, 2010, 277, 61-72.	0.9	22
119	Temperature regulation of gliding motility in filamentous sulfur bacteria, Beggiatoa spp.. FEMS Microbiology Ecology, 2010, 73, no-no.	1.3	11
120	Filamentous sulfur bacteria, Beggiatoa spp., in arctic marine sediments (Svalbard, 79Â°N). FEMS Microbiology Ecology, 2010, 73, no-no.	1.3	31
121	Conversion and conservation of light energy in a photosynthetic microbial mat ecosystem. ISME Journal, 2010, 4, 440-449.	4.4	32
122	Effects of freezeâ€“thaw cycles on anaerobic microbial processes in an Arctic intertidal mud flat. ISME Journal, 2010, 4, 585-594.	4.4	76
123	Big sulfur bacteria. ISME Journal, 2010, 4, 1083-1084.	4.4	18
124	Thermophilic anaerobes in Arctic marine sediments induced to mineralize complex organic matter at high temperature. Environmental Microbiology, 2010, 12, 1089-1104.	1.8	61
125	Role of sulfate reduction and methane production by organic carbon degradation in eutrophic fjord sediments (Limfjorden, Denmark). Limnology and Oceanography, 2010, 55, 1338-1352.	1.6	116
126	Regulation of anaerobic methane oxidation in sediments of the Black Sea. Biogeosciences, 2009, 6, 1505-1518.	1.3	66

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127	Sulfide assimilation by ectosymbionts of the sessile ciliate, Zoothamnium niveum. Marine Biology, 2009, 156, 669-677.	0.7	7
128	Physiology and behaviour of marine <i>Thioploca</i>. ISME Journal, 2009, 3, 647-657.	4.4	62
129	Filamentous bacteria inhabiting the sheaths of marine Thioploca spp. on the Chilean continental shelf. FEMS Microbiology Ecology, 2009, 68, 164-172.	1.3	29
130	Sulfateâ€reducing bacteria in marine sediment (Aarhus Bay, Denmark): abundance and diversity related to geochemical zonation. Environmental Microbiology, 2009, 11, 1278-1291.	1.8	195
131	The impact of temperature change on the activity and community composition of sulfateâ€reducing bacteria in arctic versus temperate marine sediments. Environmental Microbiology, 2009, 11, 1692-1703.	1.8	82
132	Crystal ball â€“ 2009. Environmental Microbiology Reports, 2009, 1, 3-26.	1.0	5
133	A Constant Flux of Diverse Thermophilic Bacteria into the Cold Arctic Seabed. Science, 2009, 325, 1541-1544.	6.0	189
134	Accumulation of prokaryotic remains during organic matter diagenesis in surface sediments off Peru. Limnology and Oceanography, 2009, 54, 1139-1151.	1.6	44
135	Response of fermentation and sulfate reduction to experimental temperature changes in temperate and Arctic marine sediments. ISME Journal, 2008, 2, 815-829.	4.4	68
136	Microbial Mn(IV) and Fe(III) reduction in northern Barents Sea sediments under different conditions of ice cover and organic carbon deposition. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 2390-2398.	0.6	47
137	Biogeochemistry of sulfur and iron in Thioploca-colonized surface sediments in the upwelling area off central chile. Geochimica Et Cosmochimica Acta, 2008, 72, 827-843.	1.6	73
138	Anaerobic oxidation of methane (AOM) in marine sediments from the Skagerrak (Denmark): I. Geochemical and microbiological analyses. Geochimica Et Cosmochimica Acta, 2008, 72, 2868-2879.	1.6	36
139	Thermodynamic and kinetic control on anaerobic oxidation of methane in marine sediments. Geochimica Et Cosmochimica Acta, 2008, 72, 3746-3757.	1.6	53
140	Comment on "Physical Model for the Decay and Preservation of Marine Organic Carbon". Science, 2008, 319, 1616-1616.	6.0	36
141	Seasonal dynamics of the depth and rate of anaerobic oxidation of methane in Aarhus Bay (Denmark) sediments. Journal of Marine Research, 2008, 66, 127-155.	0.3	62
142	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
143	Insights into the Genome of Large Sulfur Bacteria Revealed by Analysis of Single Filaments. PLoS Biology, 2007, 5, e230.	2.6	151
144	Effect of the diffusive boundary layer on benthic mineralization and O₂ distribution: A theoretical model analysis. Limnology and Oceanography, 2007, 52, 547-557.	1.6	58

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145	Microbial ecology of the stratified water column of the Black Sea as revealed by a comprehensive biomarker study. Organic Geochemistry, 2007, 38, 2070-2097.	0.9	184
146	Hydrogen ?leakage? during methanogenesis from methanol and methylamine: implications for anaerobic carbon degradation pathways in aquatic sediments. Environmental Microbiology, 2007, 9, 1060-1071.	1.8	42
147	Feast and famine â€" microbial life in the deep-sea bed. Nature Reviews Microbiology, 2007, 5, 770-781.	13.6	577
148	Biological and chemical sulfide oxidation in a Beggiatoa inhabited marine sediment. ISME Journal, 2007, 1, 341-353.	4.4	170
149	Diversity and abundance of sulfate-reducing microorganisms in the sulfate and methane zones of a marine sediment, Black Sea. Environmental Microbiology, 2007, 9, 131-142.	1.8	233
150	The future of single-cell environmental microbiology. Environmental Microbiology, 2007, 9, 6-7.	1.8	53
151	Biogeochemistry and biodiversity of methane cycling in subsurface marine sediments (Skagerrak,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	130
152	Contribution of Chloroflexus respiration to oxygen cycling in a hypersaline microbial mat from Lake Chiprana, Spain. Environmental Microbiology, 2007, 9, 2007-2024.	1.8	30
153	Acetate, lactate, propionate, and isobutyrate as electron donors for iron and sulfate reduction in Arctic marine sediments, Svalbard. FEMS Microbiology Ecology, 2007, 59, 10-22.	1.3	141
154	Biogeographical distribution and diversity of microbes in methane hydrate-bearing deep marine sediments on the Pacific Ocean Margin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2815-2820.	3.3	644
155	Desulfuromonas svalbardensis sp. nov. and Desulfuromusa ferrireducens sp. nov., psychrophilic, Fe(III)-reducing bacteria isolated from Arctic sediments, Svalbard. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1133-1139.	0.8	93
156	Bacteria and Marine Biogeochemistry. , 2006, , 169-206.		86
157	Amino acid biogeo- and stereochemistry in coastal Chilean sediments. Geochimica Et Cosmochimica Acta, 2006, 70, 2970-2989.	1.6	74
158	ECOLOGY: A Starving Majority Deep Beneath the Seafloor. Science, 2006, 314, 932-934.	6.0	122
159	Organic Carbon Degradation in Arctic Marine Sediments, Svalbard: A Comparison of Initial and Terminal Steps. Geomicrobiology Journal, 2006, 23, 551-563.	1.0	38
160	Desulfovibrio frigidus sp. nov. and Desulfovibrio ferrireducens sp. nov., psychrotolerant bacteria isolated from Arctic fjord sediments (Svalbard) with the ability to reduce Fe(III). International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 681-685.	0.8	47
161	Desulfotomaculum arcticum sp. nov., a novel spore-forming, moderately thermophilic, sulfate-reducing bacterium isolated from a permanently cold fjord sediment of Svalbard. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 687-690.	0.8	42
162	Microbial community in a sediment-hosted CO2 lake of the southern Okinawa Trough hydrothermal system. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14164-14169.	3.3	159

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163	The influence of topography on the functional exchange surface of marine soft sediments, assessed from sediment topography measured in situ. Limnology and Oceanography, 2005, 50, 106-112.	1.6	29
164	Prokaryotic cells of the deep sub-seafloor biosphere identified as living bacteria. Nature, 2005, 433, 861-864.	13.7	413
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