Samantha B Joye

List of Publications by Year
in descending order

Version: 2024-02-01

187	12,900	19657 61	27406 106
papers	citations	h-index	g-index

197	197	197	11039
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Abiotic Nitrous Oxide Production From Sediments and Brine of Don Juan Pond, Wright Valley Antarctica, at Mars Analog Temperatures (â˜'40Â°C). Geophysical Research Letters, 2022, 49, .	4.0	2
2	Marine Biogeochemical Cycles. The Microbiomes of Humans, Animals, Plants, and the Environment, 2022, , 623-671.	0.6	1
3	The Open-Ocean Gulf of Mexico After Deepwater Horizon: Synthesis of a Decade of Research. Frontiers in Marine Science, 2022, 9, .	2.5	6
4	Methylâ€compounds driven benthic carbon cycling in the sulfateâ€reducing sediments of South China Sea. Environmental Microbiology, 2021, 23, 641-651.	3.8	21
5	Microbial Communities Under Distinct Thermal and Geochemical Regimes in Axial and Off-Axis Sediments of Guaymas Basin. Frontiers in Microbiology, 2021, 12, 633649.	3.5	28
6	Pelagic denitrification and methane oxidation in oxygen-depleted waters of the Louisiana shelf. Biogeochemistry, 2021, 154, 231-254.	3.5	6
7	Inter- and Intra-Annual Bacterioplankton Community Patterns in a Deepwater Sub-Arctic Region: Persistent High Background Abundance of Putative Oil Degraders. MBio, 2021, 12, .	4.1	10
8	Sulfate reduction and methanogenesis in the hypersaline deep waters and sediments of a perennially iceâ€covered lake. Limnology and Oceanography, 2021, 66, 1804-1818.	3.1	7
9	Saltwater Intrusion and Submarine Groundwater Discharge: Acceleration of Biogeochemical Reactions in Changing Coastal Aquifers. Frontiers in Earth Science, 2021, 9, .	1.8	46
10	Response and oil degradation activities of a northeast Atlantic bacterial community to biogenic and synthetic surfactants. Microbiome, 2021, 9, 191.	11.1	16
11	Horizontal acquisition of a patchwork Calvin cycle by symbiotic and free-living Campylobacterota (formerly Epsilonproteobacteria). ISME Journal, 2020, 14, 104-122.	9.8	55
12	Biodegradation of Petroleum Hydrocarbons in theÂDeep Sea. , 2020, , 107-124.		10
13	Pelagic methane oxidation in the northern Chukchi Sea. Limnology and Oceanography, 2020, 65, 96-110.	3.1	8
14	Vertical stratification and stability of biogeochemical processes in the deep saline waters of Lake Vanda, Antarctica. Limnology and Oceanography, 2020, 65, 569-581.	3.1	7
15	The Geology and Biogeochemistry of Hydrocarbon Seeps. Annual Review of Earth and Planetary Sciences, 2020, 48, 205-231.	11.0	64
16	Groundwaterâ€Driven Methane Export Reduces Salt Marsh Blue Carbon Potential. Global Biogeochemical Cycles, 2020, 34, e2020GB006587.	4.9	18
17	A Synthesis of Deep Benthic Faunal Impacts and Resilience Following the Deepwater Horizon Oil Spill. Frontiers in Marine Science, 2020, 7, .	2.5	17
18	Starvation-Dependent Inhibition of the Hydrocarbon Degrader Marinobacter sp. TT1 by a Chemical Dispersant. Journal of Marine Science and Engineering, 2020, 8, 925.	2.6	12

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19	Transport, Fate and Impacts of the Deep Plume of Petroleum Hydrocarbons Formed During the Macondo Blowout. Frontiers in Marine Science, 2020, 7, .	2.5	16
20	Food web complexity weakens size-based constraints on the pyramids of life. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201500.	2.6	4
21	A New Mechanism for Submarine Groundwater Discharge From Continental Shelves. Water Resources Research, 2020, 56, e2019WR026866.	4.2	19
22	Hydrocarbon migration pathway and methane budget for a Gulf of Mexico natural seep site: Green Canyon 600. Earth and Planetary Science Letters, 2020, 545, 116411.	4.4	15
23	Microbial ecology and biogeochemistry of hypersaline sediments in Orca Basin. PLoS ONE, 2020, 15, e0231676.	2.5	14
24	Invisible oil beyond the Deepwater Horizon satellite footprint. Science Advances, 2020, 6, eaaw8863.	10.3	81
25	The Gulf of Mexico: An Introductory Survey of a Seep-Dominated Seafloor Landscape. Springer Oceanography, 2020, , 69-100.	0.3	1
26	Remarkable Capacity for Anaerobic Oxidation of Methane at High Methane Concentration. Geophysical Research Letters, 2019, 46, 12192-12201.	4.0	18
27	Significance of Acetate as a Microbial Carbon and Energy Source in the Water Column of Gulf of Mexico: Implications for Marine Carbon Cycling. Global Biogeochemical Cycles, 2019, 33, 223-235.	4.9	30
28	Biogeochemistry, microbial activity, and diversity in surface and subsurface deepâ€sea sediments of South China Sea. Limnology and Oceanography, 2019, 64, 2252-2270.	3.1	33
29	Anaerobic oxidation of ethane by archaea from a marine hydrocarbon seep. Nature, 2019, 568, 108-111.	27.8	149
30	Global Aerobic Degradation of Hydrocarbons in Aquatic Systems. , 2019, , 797-814.		0
31	Biogeochemical Dynamics of Coastal Tidal Flats. , 2019, , 407-440.		17
32	Generation and Utilization of Volatile Fatty Acids and Alcohols in Hydrothermally Altered Sediments in the Guaymas Basin, Gulf of California. Geophysical Research Letters, 2019, 46, 2637-2646.	4.0	22
33	Heterotrophic metabolism of C1 and C2 low molecular weight compounds in northern Gulf of Mexico sediments: Controlling factors and implications for organic carbon degradation. Geochimica Et Cosmochimica Acta, 2019, 247, 243-260.	3.9	16
34	Vertical marine snow distribution in the stratified, hypersaline, and anoxic Orca Basin (Gulf of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	3.2	11
35	Polysaccharide hydrolysis in the presence of oil and dispersants: Insights into potential degradation pathways of exopolymeric substances (EPS) from oil-degrading bacteria. Elementa, 2019, 7, .	3.2	2
36	Relative importance of methylotrophic methanogenesis in sediments of the Western Mediterranean Sea. Geochimica Et Cosmochimica Acta, 2018, 224, 171-186.	3.9	71

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37	SnapShot: Microbial Hydrocarbon Bioremediation. Cell, 2018, 172, 1336-1336.e1.	28.9	11
38	Deep oxygen penetration drives nitrification in intertidal beach sands. Limnology and Oceanography, 2018, 63, S193.	3.1	16
39	BP Gulf Science Data Reveals Ineffectual Subsea Dispersant Injection for the Macondo Blowout. Frontiers in Marine Science, 2018, 5, .	2.5	20
40	Microbial metabolism of methanol and methylamine in the Gulf of Mexico: insight into marine carbon and nitrogen cycling. Environmental Microbiology, 2018, 20, 4543-4554.	3.8	15
41	Effects of pressure, methane concentration, sulfate reduction activity, and temperature on methane production in surface sediments of the Gulf of Mexico. Limnology and Oceanography, 2018, 63, 2080-2092.	3.1	26
42	The impact of the Deepwater Horizon blowout on historic shipwreck-associated sediment microbiomes in the northern Gulf of Mexico. Scientific Reports, 2018, 8, 9057.	3.3	29
43	Long-term impact of the Deepwater Horizon oil well blowout on methane oxidation dynamics in the northern Gulf of Mexico. Elementa, 2018, 6, .	3.2	10
44	Selective quantification of DOSS in marine sediment and sediment-trap solids by LC-QTOF-MS. Analytical and Bioanalytical Chemistry, 2017, 409, 971-978.	3.7	9
45	Hydrocarbon composition and concentrations in the Gulf of Mexico sediments in the 3 years following the Macondo well blowout. Environmental Pollution, 2017, 229, 329-338.	7.5	23
46	Agents of change and temporal nutrient dynamics in the Altamaha River Watershed. Ecosphere, 2017, 8, e01519.	2.2	7
47	2. Hydrocarbon seep ecosystems. , 2017, , 33-52.		2
48	Global Aerobic Degradation of Hydrocarbons in Aquatic Systems. , 2017, , 1-18.		0
49	Pulsed blooms and persistent oil-degrading bacterial populations in the water column during and after the Deepwater Horizon blowout. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 282-291.	1.4	111
50	Microbial enzymatic activity and secondary production in sediments affected by the sedimentation pulse following the Deepwater Horizon oil spill. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 241-248.	1.4	39
51	How Clonal Is Clonal? Genome Plasticity across Multicellular Segments of a â€œCandidatus Marithrix sp.â€•Filament from Sulfidic, Briny Seafloor Sediments in the Gulf of Mexico. Frontiers in Microbiology, 2016, 7, 1173.	3.5	15
52	Distinct Bacterial Communities in Surficial Seafloor Sediments Following the 2010 Deepwater Horizon Blowout. Frontiers in Microbiology, 2016, 7, 1384.	3.5	52
53	Responses of Microbial Communities to Hydrocarbon Exposures. Oceanography, 2016, 29, 136-149.	1.0	59
54	Differential effects of crude oil on denitrification and anammox, and the impact on N2O production. Environmental Pollution, 2016, 216, 391-399.	7.5	21

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55	Multiple evidence for methylotrophic methanogenesis as the dominant methanogenic pathway in hypersaline sediments from the Orca Basin, Gulf of Mexico. Geochimica Et Cosmochimica Acta, 2016, 187, 1-20.	3.9	73
56	Response of anaerobic ammonium oxidation to inorganic nitrogen fluctuations in temperate estuarine sediments. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1829-1839.	3.0	21
57	Microbial diversity and activity in seafloor brine lake sediments (Alaminos Canyon block 601, Gulf of) Tj ETQq1 1 0.784314 rgBT /Over	2.4	15
58	Protocols for Radiotracer Estimation of Primary Hydrocarbon Oxidation in Oxygenated Seawater. Springer Protocols, 2016, , 263-276.	0.3	1
59	Protocols for Radiotracer Estimation of Methane Oxidation Rates at In Situ Methane Concentrations in Marine Sediments. Springer Protocols, 2016, , 277-303.	0.3	0
60	Methanotrophy controls groundwater methane export from a barrier island. Geochimica Et Cosmochimica Acta, 2016, 179, 242-256.	3.9	21
61	Patterns and variability in geochemical signatures and microbial activity within and between diverse cold seep habitats along the lower continental slope, Northern Gulf of Mexico. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 31-40.	1.4	16
62	Hercules 265 rapid response: Immediate ecosystem impacts of a natural gas blowout incident. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 66-76.	1.4	5
63	The Gulf of Mexico ecosystem, six years after the Macondo oil well blowout. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 4-19.	1.4	99
64	Biogeochemical and 16S rRNA gene sequence evidence supports a novel mode of anaerobic methanotrophy in permanently iceâ€covered Lake Fryxell, Antarctica. Limnology and Oceanography, 2016, 61, S119.	3.1	44
65	Reply to Prince et al.: Ability of chemical dispersants to reduce oil spill impacts remains unclear. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1422-E1423.	7.1	25
66	Diverse, rare microbial taxa responded to the Deepwater Horizon deep-sea hydrocarbon plume. ISME Journal, 2016, 10, 400-415.	9.8	156
67	Biodegradation of crude oil and dispersants in deep seawater from the Gulf of Mexico: Insights from ultra-high resolution mass spectrometry. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 108-118.	1.4	42
68	Intense nitrogen cycling in permeable intertidal sediment revealed by a nitrous oxide hot spot. Global Biogeochemical Cycles, 2015, 29, 1584-1598.	4.9	23
69	The East Siberian Arctic Shelf: towards further assessment of permafrost-related methane fluxes and role of sea ice. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140451.	3.4	117
70	What time scales are important for monitoring tidally influenced submarine groundwater discharge? Insights from a salt marsh. Water Resources Research, 2015, 51, 4198-4207.	4.2	47
71	Barite encrustation of benthic sulfurâ€oxidizing bacteria at a marine cold seep. Geobiology, 2015, 13, 588-603.	2.4	36
72	A Halophilic Bacterium Inhabiting the Warm, CaCl ₂ -Rich Brine of the Perennially Ice-Covered Lake Vanda, McMurdo Dry Valleys, Antarctica. Applied and Environmental Microbiology, 2015, 81, 1988-1995.	3.1	20

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73	Using Natural Abundance Radiocarbon To Trace the Flux of Petrocarbon to the Seafloor Following the Deepwater Horizon Oil Spill. Environmental Science & Technology, 2015, 49, 847-854.	10.0	199
74	Deepwater Horizon, 5 years on. Science, 2015, 349, 592-593.	12.6	185
75	High rates of anaerobic methane oxidation in freshwater wetlands reduce potential atmospheric methane emissions. Nature Communications, 2015, 6, 7477.	12.8	216
76	Groundwater controls ecological zonation of salt marsh macrophytes. Ecology, 2015, 96, 840-849.	3.2	73
77	Using dispersants after oil spills: impacts on the composition and activity of microbial communities. Nature Reviews Microbiology, 2015, 13, 388-396.	28.6	247
78	Chemical dispersants can suppress the activity of natural oil-degrading microorganisms. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14900-14905.	7.1	276
79	The rise and fall of methanotrophy following a deepwater oil-well blowout. Nature Geoscience, 2014, 7, 423-427.	12.9	121
80	The metabolic pathways and environmental controls of hydrocarbon biodegradation in marine ecosystems. Frontiers in Microbiology, 2014, 5, 471.	3.5	35
81	Anaerobic oxidation of methane by sulfate in hypersaline groundwater of the Dead Sea aquifer. Geobiology, 2014, 12, 511-528.	2.4	43
82	Time integrated variation of sources of fluids and seepage dynamics archived in authigenic carbonates from Gulf of Mexico Gas Hydrate Seafloor Observatory. Chemical Geology, 2014, 385, 129-139.	3.3	56
83	Stable isotope analyses of NO2â^', NO3â^', and N2O in the hypersaline ponds and soils of the McMurdo Dry Valleys, Antarctica. Geochimica Et Cosmochimica Acta, 2014, 135, 87-101.	3.9	35
84	The contribution of anaerobic ammonium oxidation to nitrogen loss in two temperate eutrophic estuaries. Estuarine, Coastal and Shelf Science, 2014, 143, 41-47.	2.1	18
85	Spatial distribution of nitrogen fixation in methane seep sediment and the role of the <scp>ANME</scp> archaea. Environmental Microbiology, 2014, 16, 3012-3029.	3.8	60
86	Benthic primary production and nitrogen cycling in Spartina alterniflora marshes: effect of restoration after acute dieback. Biogeochemistry, 2014, 117, 511-524.	3.5	4
87	Formation of lowâ€magnesium calcite at cold seeps in an aragonite sea. Terra Nova, 2014, 26, 150-156.	2.1	25
88	Dynamics of submarine groundwater discharge and associated fluxes of dissolved nutrients, carbon, and trace gases to the coastal zone (Okatee River estuary, South Carolina). Geochimica Et Cosmochimica Acta, 2014, 131, 81-97.	3.9	67
89	Microbial Dynamics Following the Macondo Oil Well Blowout across Gulf of Mexico Environments. BioScience, 2014, 64, 766-777.	4.9	142
90	A Rapid Response Study of the Hercules Gas Well Blowout. Eos, 2014, 95, 341-342.	0.1	4

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91	On the utility of radium isotopes as tracers of hydrocarbon discharge. Marine Chemistry, 2013, 156, 98-107.	2.3	10
92	Impact of electron acceptor availability on the anaerobic oxidation of methane in coastal freshwater and brackish wetland sediments. Geochimica Et Cosmochimica Acta, 2013, 115, 15-30.	3.9	167
93	The role of salinity in shaping dissolved inorganic nitrogen and N2O dynamics in estuarine sedimentâ€“water interface. Marine Pollution Bulletin, 2013, 66, 225-229.	5.0	26
94	Transcriptional response of bathypelagic marine bacterioplankton to the Deepwater Horizon oil spill. ISME Journal, 2013, 7, 2315-2329.	9.8	172
95	Seasonal variations of methane fluxes from an unvegetated tidal freshwater mudflat (Hammersmith) Tj ETQq1 1 0.784314 rgBT /Over	3.5	16
96	Drought impacts on biogeochemistry and microbial processes in salt marsh sediments: a flow-through reactor approach. Biogeochemistry, 2013, 112, 389-407.	3.5	15
97	Geomicrobiological linkages between short-chain alkane consumption and sulfate reduction rates in seep sediments. Frontiers in Microbiology, 2013, 4, 386.	3.5	29
98	Anaerobic oxidation of short-chain alkanes in hydrothermal sediments: potential influences on sulfur cycling and microbial diversity. Frontiers in Microbiology, 2013, 4, 110.	3.5	44
99	Carbon isotopic evidence for microbial control of carbon supply to Orca Basin at the seawaterâ€“brine interface. Biogeosciences, 2013, 10, 3175-3183.	3.3	9
100	Patterns and Controls of Nutrient Concentrations in a Southeastern United States Tidal Creek. Oceanography, 2013, 26, 132-139.	1.0	4
101	A Tale of Two Spills: Novel Science and Policy Implications of an Emerging New Oil Spill Model. BioScience, 2012, 62, 461-469.	4.9	89
102	Potential rates and environmental controls of anaerobic ammonium oxidation in estuarine sediments. Aquatic Microbial Ecology, 2012, 66, 23-32.	1.8	38
103	A piece of the methane puzzle. Nature, 2012, 491, 538-539.	27.8	36
104	Oil Impacts on Coastal Wetlands: Implications for the Mississippi River Delta Ecosystem after the Deepwater Horizon Oil Spill. BioScience, 2012, 62, 562-574.	4.9	257
105	Denitrification and environmental factors influencing nitrate removal in Guaymas Basin hydrothermally altered sediments. Frontiers in Microbiology, 2012, 3, 377.	3.5	38
106	Anaerobic methane oxidation in metalliferous hydrothermal sediments: influence on carbon flux and decoupling from sulfate reduction. Environmental Microbiology, 2012, 14, 2726-2740.	3.8	98
107	Stormâ€driven groundwater flow in a salt marsh. Water Resources Research, 2011, 47, .	4.2	52
108	Analyses of Water Samples From the Deepwater Horizon Oil Spill: Documentation of the Subsurface Plume. Geophysical Monograph Series, 2011, , 77-82.	0.1	37

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109	Weak coupling between sulfate reduction and the anaerobic oxidation of methane in methane-rich seafloor sediments during ex situ incubation. Geochimica Et Cosmochimica Acta, 2011, 75, 500-519.	3.9	81
110	Magnitude and oxidation potential of hydrocarbon gases released from the BP oil well blowout. Nature Geoscience, 2011, 4, 160-164.	12.9	214
111	High rates of denitrification and nitrate removal in cold seep sediments. ISME Journal, 2011, 5, 565-567.	9.8	28
112	Field measurements and modeling of groundwater flow and biogeochemistry at Moses Hammock, a backbarrier island on the Georgia coast. Biogeochemistry, 2011, 104, 69-90.	3.5	13
113	An inventory of potentially habitable environments on Mars: Geological and biological perspectives. , 2011, , .		11
114	Comment on â€œA Persistent Oxygen Anomaly Reveals the Fate of Spilled Methane in the Deep Gulf of Mexicoâ€• Science, 2011, 332, 1033-1033.	12.6	23
115	Improved measurement of microbial activity in deepâ€sea sediments at in situ pressure and methane concentration. Limnology and Oceanography: Methods, 2011, 9, 499-506.	2.0	35
116	Distributions of putative aerobic methanotrophs in diverse pelagic marine environments. ISME Journal, 2010, 4, 700-710.	9.8	77
117	Abiotic nitrous oxide emission from the hypersaline Don Juan Pond in Antarctica. Nature Geoscience, 2010, 3, 341-344.	12.9	146
118	Offshore oceanic impacts from the BP oil spill. Nature Geoscience, 2010, 3, 446-446.	12.9	16
119	Characterization of subsurface polycyclic aromatic hydrocarbons at the Deepwater Horizon site. Geophysical Research Letters, 2010, 37, .	4.0	217
120	New constraints on methane fluxes and rates of anaerobic methane oxidation in a Gulf of Mexico brine pool via in situ mass spectrometry. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2022-2029.	1.4	60
121	Impact of natural oil and higher hydrocarbons on microbial diversity, distribution, and activity in Gulf of Mexico cold-seep sediments. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2008-2021.	1.4	171
122	Biogeochemical signatures and microbial activity of different cold-seep habitats along the Gulf of Mexico deep slope. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1990-2001.	1.4	93
123	Cold-seep carbonates of the middle and lower continental slope, northern Gulf of Mexico. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 2040-2054.	1.4	114
124	Biocomplexity in Mangrove Ecosystems. Annual Review of Marine Science, 2010, 2, 395-417.	11.6	328
125	Forecasting the effects of accelerated seaâ€level rise on tidal marsh ecosystem services. Frontiers in Ecology and the Environment, 2009, 7, 73-78.	4.0	614
126	Thriving in Salt. Science, 2009, 324, 1523-1525.	12.6	37

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127	Population growth away from the coastal zone: Thirty years of land use change and nutrient export in the Altamaha River, GA. Science of the Total Environment, 2009, 407, 3347-3356.	8.0	34
128	Benthic metabolism and the fate of dissolved inorganic nitrogen in intertidal sediments. Estuarine, Coastal and Shelf Science, 2009, 83, 392-402.	2.1	72
129	The Diverse Bacterial Community in Intertidal, Anaerobic Sediments at Sapelo Island, Georgia. Microbial Ecology, 2009, 58, 244-261.	2.8	37
130	Microbial Community Response to Seawater Amendment in Low-Salinity Tidal Sediments. Microbial Ecology, 2009, 58, 558-568.	2.8	70
131	Metabolic variability in seafloor brines revealed by carbon and sulphur dynamics. Nature Geoscience, 2009, 2, 349-354.	12.9	111
132	Extensive carbon isotopic heterogeneity among methane seep microbiota. Environmental Microbiology, 2009, 11, 2207-2215.	3.8	51
133	Chemotrophic Microbial Mats and Their Potential for Preservation in the Rock Record. Astrobiology, 2009, 9, 843-859.	3.0	60
134	Porewater biogeochemistry and soil metabolism in dwarf red mangrove habitats (Twin Cays, Belize). Biogeochemistry, 2008, 87, 181-198.	3.5	66
135	Nutrient-Replete Benthic Microalgae as a Source of Dissolved Organic Carbon to Coastal Waters. Estuaries and Coasts, 2008, 31, 860-876.	2.2	33
136	Tracing the slow growth of anaerobic methane-oxidizing communities by 15N-labelling techniques. FEMS Microbiology Ecology, 2008, 63, 401-411.	2.7	64
137	On the relationship between methane production and oxidation by anaerobic methanotrophic communities from cold seeps of the Gulf of Mexico. Environmental Microbiology, 2008, 10, 1108-1117.	3.8	66
138	Variation in Prokaryotic Community Composition as a Function of Resource Availability in Tidal Creek Sediments. Applied and Environmental Microbiology, 2008, 74, 1836-1844.	3.1	15
139	Nitrification in Mono Lake, California: Activity and community composition during contrasting hydrological regimes. Limnology and Oceanography, 2008, 53, 2546-2557.	3.1	62
140	Nitrogen Cycling in Coastal Sediments. , 2008, , 867-915.		40
141	AlvinExplores the Deep Northern Gulf of Mexico Slope. Eos, 2007, 88, 341.	0.1	33
142	Evidence of giant sulphur bacteria in Neoproterozoic phosphorites. Nature, 2007, 445, 198-201.	27.8	195
143	Undressing and redressing Ediacaran embryos (Reply). Nature, 2007, 446, E10-E11.	27.8	47
144	Anaerobic oxidation of short-chain hydrocarbons by marine sulphate-reducing bacteria. Nature, 2007, 449, 898-901.	27.8	349

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145	Estimates of flushing times, submarine groundwater discharge, and nutrient fluxes to Okatee Estuary, South Carolina. Journal of Geophysical Research, 2006, 111, .	3.3	201
146	Ramifications of increased salinity in tidal freshwater sediments: Geochemistry and microbial pathways of organic matter mineralization. Journal of Geophysical Research, 2006, 111, .	3.3	210
147	Porewater Stoichiometry of Terminal Metabolic Products, Sulfate, and Dissolved Organic Carbon and Nitrogen in Estuarine Intertidal Creek-bank Sediments. Biogeochemistry, 2006, 77, 375-408.	3.5	77
148	Bacterial Taxa That Limit Sulfur Flux from the Ocean. Science, 2006, 314, 649-652.	12.6	296
149	Evaluating the Potential Importance of Groundwater-Derived Carbon, Nitrogen, and Phosphorus Inputs to South Carolina and Georgia Coastal Ecosystems. , 2006, , 139-178.		1
150	Seasonal patterns of nitrogen fixation and denitrification in oceanic mangrove habitats. Marine Ecology - Progress Series, 2006, 307, 127-141.	1.9	72
151	Aerobic methane oxidation and methanotroph community composition during seasonal stratification in Mono Lake, California (USA). Environmental Microbiology, 2005, 7, 1127-1138.	3.8	103
152	Novel vacuolate sulfur bacteria from the Gulf of Mexico reproduce by reductive division in three dimensions. Environmental Microbiology, 2005, 7, 1451-1460.	3.8	46
153	Molecular Analysis of the Sulfate Reducing and ArchaealCommunity in a Meromictic Soda Lake (Mono) Tj ETQq1 1 0.784314 rgBT /Over	2.8	88
154	Inorganic nitrogen dynamics in intertidal rocky biofilms and sediments of the Douro River estuary (Portugal). Estuaries and Coasts, 2005, 28, 592-607.	1.7	30
155	Geophysical and geochemical signatures of Gulf of Mexico seafloor brines. Biogeosciences, 2005, 2, 295-309.	3.3	75
156	Analysis of Methane Monooxygenase Genes in Mono Lake Suggests That Increased Methane Oxidation Activity May Correlate with a Change in Methanotroph Community Structure. Applied and Environmental Microbiology, 2005, 71, 6458-6462.	3.1	65
157	Analysis of fae and fhcD Genes in Mono Lake, California. Applied and Environmental Microbiology, 2005, 71, 8949-8953.	3.1	14
158	Arsenic speciation in Mono Lake, California: Response to seasonal stratification and anoxia. Geochimica Et Cosmochimica Acta, 2005, 69, 1925-1937.	3.9	118
159	Molecular biogeochemistry of sulfate reduction, methanogenesis and the anaerobic oxidation of methane at Gulf of Mexico cold seeps. Geochimica Et Cosmochimica Acta, 2005, 69, 4267-4281.	3.9	204
160	Effect of salinity and inorganic nitrogen concentrations on nitrification and denitrification rates in intertidal sediments and rocky biofilms of the Douro River estuary, Portugal. Water Research, 2005, 39, 1783-1794.	11.3	169
161	Temperature-driven decoupling of key phases of organic matter degradation in marine sediments. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17036-17040.	7.1	98
162	The sulfur biogeochemistry of chemosynthetic cold seep communities, gulf of Mexico, USA. Marine Chemistry, 2004, 87, 97-119.	2.3	75

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163	The anaerobic oxidation of methane and sulfate reduction in sediments from Gulf of Mexico cold seeps. Chemical Geology, 2004, 205, 219-238.	3.3	466
164	Life at the edge of methane ice: microbial cycling of carbon and sulfur in Gulf of Mexico gas hydrates. Chemical Geology, 2004, 205, 239-251.	3.3	56
165	Benthic microbial mats: important sources of fixed nitrogen and carbon to the Twin Cays, Belize ecosystem. Atoll Research Bulletin, 2004, 528, 1-24.	0.2	36
166	Interactions between Methane Oxidation and Nitrification in Coastal Sediments. Geomicrobiology Journal, 2003, 20, 355-374.	2.0	24
167	Role of Salt Marshes as Part of Coastal Landscapes. , 2002, , 23-36.		32
168	Oxidation of organic and inorganic sulfur compounds by aerobic heterotrophic marine bacteria. Progress in Industrial Microbiology, 2002, 36, 291-310.	0.0	2
169	Thermal evidence of water exchange through a coastal aquifer: Implications for nutrient fluxes. Geophysical Research Letters, 2002, 29, 49-1-49-4.	4.0	72
170	Fatty acid carbon isotope signatures in chemosynthetic mussels and tube worms from gulf of Mexico hydrocarbon seep communities. Chemical Geology, 2002, 185, 1-8.	3.3	34
171	Degradation of algal lipids in microcosm sediments with different mixing regimes. Organic Geochemistry, 2002, 33, 445-459.	1.8	41
172	Enhancement of coupled nitrificationâ€denitrification by benthic photosynthesis in shallow estuarine sediments. Limnology and Oceanography, 2001, 46, 62-74.	3.1	182
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