Bradley M Tebo

List of Publications by Year in Descending Order

156 papers	10,678 citations	61 h-index	100 g-index
163 ext. papers	12,058 ext. citations	6 avg, IF	6.19 L-index

#	Paper	IF	Citations
156	Novel manganese cycling at very low ionic strengths in the Columbia River Estuary. *Water Research*, **2021**, 207, 117801	12.5	1
155	Marine microbial Mn(II) oxidation mediates Cr(III) oxidation and isotope fractionation. *Geochimica Et Cosmochimica Acta*, **2021**, 297, 101-119	5.5	11
154	Metallo-inhibition of Mnx, a bacterial manganese multicopper oxidase complex. *Journal of Inorganic Biochemistry*, **2021**, 224, 111547	4.2	
153	Distribution and concentration of soluble manganese(II), soluble reactive Mn(III)-L, and particulate MnO2 in the Northwest Atlantic Ocean. *Marine Chemistry*, **2020**, 226, 103858	3.7	5
152	Biogenic and Synthetic MnO Nanoparticles: Size and Growth Probed with Absorption and Raman Spectroscopies and Dynamic Light Scattering. *Environmental Science & Technology*, **2019**, 53, 4185-4197	10.3	32
151	The Speciation and Mobility of Mn and Fe in Estuarine Sediments. *Aquatic Geochemistry*, **2019**, 25, 3-26	1.7	14
150	Concentrations of reactive Mn(III)-L and MnO in estuarine and marine waters determined using spectrophotometry and the leuco base, leucoberbelin blue. *Talanta*, **2019**, 200, 91-99	6.2	18
149	Manganese Cycling in the Oceans **2019**, 1-14		0
148	Distribution of desferrioxamine-B-extractable soluble manganese(III) and particulate MnO2 in the St. Lawrence Estuary, Canada. *Marine Chemistry*, **2019**, 208, 70-82	3.7	8
147	Surface Induced Dissociation Coupled with High Resolution Mass Spectrometry Unveils Heterogeneity of a 211 kDa Multicopper Oxidase Protein Complex. *Journal of the American Society for Mass Spectrometry*, **2018**, 29, 723-733	3.5	13
146	Dissolved Mn(III) in water treatment works: Prevalence and significance. *Water Research*, **2018**, 140, 181-190	11.9	20
145	Reduction of Manganese Oxides: Thermodynamic, Kinetic and Mechanistic Considerations for One- Versus Two-Electron Transfer Steps. *Aquatic Geochemistry*, **2018**, 24, 257-277	1.7	17
144	Oxidative Formation and Removal of Complexed Mn(III) by Species. *Frontiers in Microbiology*, **2018**, 9, 560	5.7	14
143	Pseudomonas laurentiana sp. nov., an Mn(III)-oxidizing Bacterium Isolated from the St. Lawrence Estuary. *Pharmacognosy Communications*, **2018**, 8, 153-157	1.4	7
142	Probing Electron Transfer in the Manganese-Oxide-Forming MnxEFG Protein Complex using Fourier Transformed AC Voltammetry: Understanding the Oxidative Priming Effect. *ChemElectroChem*, **2018**, 5, 872-876	4.3	2
141	Mn(III) species formed by the multi-copper oxidase MnxG investigated by electron paramagnetic resonance spectroscopy. *Journal of Biological Inorganic Chemistry*, **2018**, 23, 1093-1104	3.7	7
140	Substrate specificity and copper loading of the manganese-oxidizing multicopper oxidase Mnx from Bacillus sp. PL-12. *Metallomics*, **2017**, 9, 183-191	4.5	14

139	Copper Binding Sites in the Manganese-Oxidizing Mnx Protein Complex Investigated by Electron Paramagnetic Resonance Spectroscopy. *Journal of the American Chemical Society*, **2017**, 139, 8868-8877	16.4	11
138	Soluble Mn(III)L complexes are abundant in oxygenated waters and stabilized by humic ligands. *Geochimica Et Cosmochimica Acta*, **2017**, 199, 238-246	5.5	75
137	Biogenic manganese oxide nanoparticle formation by a multimeric multicopper oxidase Mnx. *Nature Communications*, **2017**, 8, 746	17.4	46
136	Tunable Biogenic Manganese Oxides. *Chemistry - A European Journal*, **2017**, 23, 13482-13492	4.8	5
135	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Coordinated Two-Stage Mn(II)/(III) and Mn(III)/(IV) Mechanism. *Journal of the American Chemical Society*, **2017**, 139, 11381-11391	16.4	32
134	Oxidative and reductive processes contributing to manganese cycling at oxic-anoxic interfaces. *Marine Chemistry*, **2017**, 195, 122-128	3.7	32
133	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Binuclear Activation Mechanism. *Journal of the American Chemical Society*, **2017**, 139, 11369-11380	16.4	21
132	Biogenic Manganese-Oxide Mineralization is Enhanced by an Oxidative Priming Mechanism for the Multi-Copper Oxidase, MnxEFG. *Chemistry - A European Journal*, **2017**, 23, 1346-1352	4.8	10
131	Submarine Basaltic Glass Colonization by the Heterotrophic Fe(II)-Oxidizing and Siderophore-Producing Deep-Sea Bacterium VS-10: The Potential Role of Basalt in Enhancing Growth. *Frontiers in Microbiology*, **2017**, 8, 363	5.7	17
130	The Role of Bacterial Spores in Metal Cycling and Their Potential Application in Metal Contaminant Bioremediation **2016**, 367-386		
129	Kinetics of Mn(II) oxidation by spores of the marine Bacillus sp. SG-1. *Geochimica Et Cosmochimica Acta*, **2016**, 189, 58-69	5.5	18
128	Silica Biomineralization of Calothrix-Dominated Biofacies from Queen's Laundry Hot-Spring, Yellowstone National Park, USA. *Frontiers in Environmental Science*, **2016**, 4,	4.8	9
127	The Role of Bacterial Spores in Metal Cycling and Their Potential Application in Metal Contaminant Bioremediation. *Microbiology Spectrum*, **2016**, 4,	8.9	6
126	Identification of a Third Mn(II) Oxidase Enzyme in Pseudomonas putida GB-1. *Applied and Environmental Microbiology*, **2016**, 82, 3774-3782	4.8	38
125	Microbial communities in dark oligotrophic volcanic ice cave ecosystems of Mt. Erebus, Antarctica. *Frontiers in Microbiology*, **2015**, 6, 179	5.7	64
124	Multicopper manganese oxidase accessory proteins bind Cu and heme. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2015**, 1854, 1853-1859	4	15
123	Mn(II) Binding and Subsequent Oxidation by the Multicopper Oxidase MnxG Investigated by Electron Paramagnetic Resonance Spectroscopy. *Journal of the American Chemical Society*, **2015**, 137, 10563-75	16.4	16
122	Metagenomic evidence for reciprocal particle exchange between the mainstem estuary and lateral bay sediments of the lower Columbia River. *Frontiers in Microbiology*, **2015**, 6, 1074	5.7	9

121	Evidence for the presence of strong Mn(III)-binding ligands in the water column of the Chesapeake Bay. *Marine Chemistry*, **2015**, 171, 58-66	3.7	59
120	Cryptic Cross-Linkages Among Biogeochemical Cycles: Novel Insights from Reactive Intermediates. *Elements*, **2015**, 11, 409-414	3.8	23
119	Effects of Mn(II) on UO2 dissolution under anoxic and oxic conditions. *Environmental Science & Technology*, **2014**, 48, 5546-54	10.3	29
118	Oxidative remobilization of technetium sequestered by sulfide-transformed nano zerovalent iron. *Environmental Science & Technology*, **2014**, 48, 7409-17	10.3	58
117	Oxidative UO2 dissolution induced by soluble Mn(III). *Environmental Science & Technology*, **2014**, 48, 289-98	10.3	69
116	Pyoverdine synthesis by the Mn(II)-oxidizing bacterium Pseudomonas putida GB-1. *Frontiers in Microbiology*, **2014**, 5, 202	5.7	17
115	Effects of exogenous pyoverdines on Fe availability and their impacts on Mn(II) oxidation by Pseudomonas putida GB-1. *Frontiers in Microbiology*, **2014**, 5, 301	5.7	4
114	Reductive sequestration of pertechnetate (99TcO4-) by nano zerovalent iron (nZVI) transformed by abiotic sulfide. *Environmental Science & Technology*, **2013**, 47, 5302-10	10.3	120
113	Dark Carbon Fixation in the Columbia River's Estuarine Turbidity Maxima: Molecular Characterization of Red-Type cbbL Genes and Measurement of DIC Uptake Rates in Response to Added Electron Donors. *Estuaries and Coasts*, **2013**, 36, 1073-1083	2.8	10
112	Mn(II,III) oxidation and MnO2 mineralization by an expressed bacterial multicopper oxidase. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11731-5	11.5	103
111	Hidden in plain sight: discovery of sheath-forming, iron-oxidizing Zetaproteobacteria at Loihi Seamount, Hawaii, USA. *FEMS Microbiology Ecology*, **2013**, 85, 116-27	4.3	60
110	Elimination of manganese(II,III) oxidation in Pseudomonas putida GB-1 by a double knockout of two putative multicopper oxidase genes. *Applied and Environmental Microbiology*, **2013**, 79, 357-66	4.8	69
109	Uraninite oxidation and dissolution induced by manganese oxide: A redox reaction between two insoluble minerals. *Geochimica Et Cosmochimica Acta*, **2013**, 100, 24-40	5.5	76
108	The effect of Ca ions and ionic strength on Mn(II) oxidation by spores of the marine sp. SG-1. *Geochimica Et Cosmochimica Acta*, **2013**, 101, 1-11	5.5	14
107	Adsorption of uranium(VI) to manganese oxides: X-ray absorption spectroscopy and surface complexation modeling. *Environmental Science & Technology*, **2013**, 47, 850-8	10.3	160
106	Abundant porewater Mn(III) is a major component of the sedimentary redox system. *Science*, **2013**, 341, 875-8	33.3	163
105	Impact of microbial Mn oxidation on the remobilization of bioreduced U(IV). *Environmental Science & Technology*, **2013**, 47, 3606-13	10.3	15
104	Structural dependence of Mn complexation by siderophores: Donor group dependence on complex stability and reactivity. *Geochimica Et Cosmochimica Acta*, **2012**, 88, 106-119	5.5	52

103	Multicopper oxidase involvement in both Mn(II) and Mn(III) oxidation during bacterial formation of MnO(2). *Journal of Biological Inorganic Chemistry*, **2012**, 17, 1151-8	3.7	45
102	Ubiquitous dissolved inorganic carbon assimilation by marine bacteria in the Pacific Northwest coastal ocean as determined by stable isotope probing. *PLoS ONE*, **2012**, 7, e46695	3.7	34
101	The molecular biogeochemistry of manganese(II) oxidation. *Biochemical Society Transactions*, **2012**, 40, 1244-8	5.1	70
100	Uranium speciation and stability after reductive immobilization in aquifer sediments. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 6497-6510	5.5	95
99	Simultaneous determination of soluble manganese(III), manganese(II) and total manganese in natural (pore)waters. *Talanta*, **2011**, 84, 374-81	6.2	89
98	Culturable Rhodobacter and Shewanella species are abundant in estuarine turbidity maxima of the Columbia River. *Environmental Microbiology*, **2011**, 13, 589-603	5.2	23
97	Analysis of in situ manganese(II) oxidation in the Columbia River and offshore plume: linking Aurantimonas and the associated microbial community to an active biogeochemical cycle. *Environmental Microbiology*, **2011**, 13, 1561-76	5.2	22
96	Ultra-diffuse hydrothermal venting supports Fe-oxidizing bacteria and massive umber deposition at 5000 m off Hawaii. *ISME Journal*, **2011**, 5, 1748-58	11.9	84
95	Relocation effects of dredged marine sediments on mercury geochemistry: Venice lagoon, Italy. *Estuarine, Coastal and Shelf Science*, **2011**, 93, 7-13	2.9	10
94	Mn(II) oxidation in Pseudomonas putida GB-1 is influenced by flagella synthesis and surface substrate. *Archives of Microbiology*, **2011**, 193, 605-14	3	12
93	Searching for biosignatures using electron paramagnetic resonance (EPR) analysis of manganese oxides. *Astrobiology*, **2011**, 11, 775-86	3.7	26
92	Biodiversity and emerging biogeography of the neutrophilic iron-oxidizing Zetaproteobacteria. *Applied and Environmental Microbiology*, **2011**, 77, 5445-57	4.8	84
91	Microbial diversity and biogeochemistry of the Guaymas Basin deep-sea hydrothermal plume. *Environmental Microbiology*, **2010**, 12, 1334-47	5.2	88
90	Identification of a two-component regulatory pathway essential for Mn(II) oxidation in Pseudomonas putida GB-1. *Applied and Environmental Microbiology*, **2010**, 76, 1224-31	4.8	44
89	The Molecular Geomicrobiology of Bacterial Manganese(II) Oxidation **2010**, 285-308		12
88	Mercury speciation in marine sediments under sulfate-limited conditions. *Environmental Science & Technology*, **2010**, 44, 3752-7	10.3	22
87	Bacteriogenic manganese oxides. *Accounts of Chemical Research*, **2010**, 43, 2-9	24.3	171
86	Mn(II) oxidation is catalyzed by heme peroxidases in "Aurantimonas manganoxydans" strain SI85-9A1 and Erythrobacter sp. strain SD-21. *Applied and Environmental Microbiology*, **2009**, 75, 4130-8	4.8	89

85	Utilization of Substrate Components during Basaltic Glass Colonization by Pseudomonas and Shewanella Isolates. *Geomicrobiology Journal*, **2009**, 26, 648-656	2.5	23
84	A seafloor microbial biome hosted within incipient ferromanganese crusts. *Nature Geoscience*, **2009**, 2, 872-876	18.3	74
83	An interlaboratory comparison of 16S rRNA gene-based terminal restriction fragment length polymorphism and sequencing methods for assessing microbial diversity of seafloor basalts. *Environmental Microbiology*, **2009**, 11, 1728-35	5.2	29
82	Loihichelins A-F, a suite of amphiphilic siderophores produced by the marine bacterium Halomonas LOB-5. *Journal of Natural Products*, **2009**, 72, 884-8	4.9	82
81	Rapid, oxygen-dependent microbial Mn(II) oxidation kinetics at sub-micromolar oxygen concentrations in the Black Sea suboxic zone. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 1878-1889	5.5	79
80	Enzymatic microbial Mn(II) oxidation and Mn biooxide production in the Guaymas Basin deep-sea hydrothermal plume. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 6517-6530	5.5	72
79	Limitations and benefits of ARISA intra-genomic diversity fingerprinting. *Journal of Microbiological Methods*, **2009**, 78, 111-8	2.8	31
78	Aurantimonas manganoxydans, sp. nov. and Aurantimonas litoralis, sp. nov.: Mn(II) oxidizing representatives of a globally distributed clade of alpha-Proteobacteria from the order Rhizobiales. *Geomicrobiology Journal*, **2009**, 26, 189-198	2.5	43
77	Microbial Ecology of Fe (hydr)oxide Mats and Basaltic Rock from Vailulu'u Seamount, American Samoa. *Geomicrobiology Journal*, **2009**, 26, 581-596	2.5	55
76	Indirect UO2 oxidation by Mn(II)-oxidizing spores of Bacillus sp. strain SG-1 and the effect of U and Mn concentrations. *Environmental Science & Technology*, **2008**, 42, 8709-14	10.3	42
75	Pseudomonas marincola sp. nov., isolated from marine environments. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 706-10	2.2	23
74	Genomic insights into Mn(II) oxidation by the marine alphaproteobacterium Aurantimonas sp. strain SI85-9A1. *Applied and Environmental Microbiology*, **2008**, 74, 2646-58	4.8	68
73	Direct identification of a bacterial manganese(II) oxidase, the multicopper oxidase MnxG, from spores of several different marine Bacillus species. *Applied and Environmental Microbiology*, **2008**, 74, 1527-34	4.8	118
72	Imaging and Analyses of Iron-oxidizing Bacteria on Basalt Glass by methods of FIB-SEM and HRTEM. *Microscopy and Microanalysis*, **2008**, 14, 1560-1561	0.5	
71	In vitro studies indicate a quinone is involved in bacterial Mn(II) oxidation. *Archives of Microbiology*, **2008**, 189, 59-69	3	36
70	Sulfide and iron control on mercury speciation in anoxic estuarine sediment slurries. *Marine Chemistry*, **2008**, 111, 214-220	3.7	48
69	Biogenic Uraninite Nanoparticles and Their Importance for Uranium Remediation. *Elements*, **2008**, 4, 407-412	3.8	126
68	Toxicity of Cr(lll) to Shewanella sp. strain MR-4 during Cr(VI) reduction. *Environmental Science & Technology*, **2007**, 41, 214-20	10.3	96

67	Cr(III) is indirectly oxidized by the Mn(II)-oxidizing bacterium Bacillus sp. strain SG-1. *Environmental Science & Technology*, **2007**, 41, 528-33	10.3	72
66	Biogeochemical factors affecting mercury methylation in sediments of the Venice Lagoon, Italy. *Environmental Toxicology and Chemistry*, **2007**, 26, 655-63	3.8	59
65	Indirect oxidation of Co(II) in the presence of the marine Mn(II)-oxidizing bacterium Bacillus sp. strain SG-1. *Applied and Environmental Microbiology*, **2007**, 73, 6905-9	4.8	43
64	Inter-relationships of MnO2 precipitation, siderophore□Mn(III) complex formation, siderophore degradation, and iron limitation in Mn(II)-oxidizing bacterial cultures. *Geochimica Et Cosmochimica Acta*, **2007**, 71, 5672-5683	5.5	47
63	Manganese(II)-oxidizing Bacillus spores in Guaymas Basin hydrothermal sediments and plumes. *Applied and Environmental Microbiology*, **2006**, 72, 3184-90	4.8	92
62	Vailulu'u Seamount, Samoa: Life and death on an active submarine volcano. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 6448-53	11.5	70
61	Determination of uranyl incorporation into biogenic manganese oxides using x-ray absorption spectroscopy and scattering. *Environmental Science & Technology*, **2006**, 40, 771-7	10.3	73
60	Soluble Mn(III) in suboxic zones. *Science*, **2006**, 313, 1955-7	33.3	230
59	Documenting the suboxic zone of the Black Sea via high-resolution real-time redox profiling. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2006**, 53, 1740-1755	2.3	38
58	Processes controlling the redox budget for the oxic/anoxic water column of the Black Sea. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2006**, 53, 1817-1841	2.3	53
57	Diverse Mn(II)-Oxidizing Bacteria Isolated from Submarine Basalts at Loihi Seamount. *Geomicrobiology Journal*, **2005**, 22, 127-139	2.5	143
56	Introduction: Advances in the Geomicrobiology and Biogeochemistry of Manganese and Iron Oxidation. *Geomicrobiology Journal*, **2005**, 22, 77-78	2.5	3
55	Cr(III) Oxidation and Cr Toxicity in Cultures of the Manganese(II)-Oxidizing Pseudomonas putida Strain GB-1. *Geomicrobiology Journal*, **2005**, 22, 151-159	2.5	40
54	Structural Influences of Sodium and Calcium Ions on the Biogenic Manganese Oxides Produced by the Marine Bacillus Sp., Strain SG-1. *Geomicrobiology Journal*, **2005**, 22, 181-193	2.5	48
53	Geomicrobiology of manganese(II) oxidation. *Trends in Microbiology*, **2005**, 13, 421-8	12.4	473
52	Biotic and abiotic products of Mn(II) oxidation by spores of the marine Bacillus sp. strain SG-1. *American Mineralogist*, **2005**, 90, 143-154	2.9	196
51	Structural characterization of biogenic Mn oxides produced in seawater by the marine bacillus sp. strain SG-1. *American Mineralogist*, **2005**, 90, 1342-1357	2.9	214
50	EXAFS, XANES and In-Situ SRXRD Characterization of Biogenic Manganese Oxides Produced in Sea Water. *Physica Scripta*, **2005**, 888	2.6	17

49	Evidence for the presence of Mn(III) intermediates in the bacterial oxidation of Mn(II). *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 5558-63	11.5	236
48	Global transcriptional profiling of Shewanella oneidensis MR-1 during Cr(VI) and U(VI) reduction. *Applied and Environmental Microbiology*, **2005**, 71, 7453-60	4.8	114
47	Pressure effects on Clostridium strains isolated from a cold deep-sea environment. *Extremophiles*, **2004**, 8, 169-73	3	16
46	Manganese(III) binding to a pyoverdine siderophore produced by a manganese(II)-oxidizing bacterium. *Geochimica Et Cosmochimica Acta*, **2004**, 68, 4809-4820	5.5	109
45	BIOGENIC MANGANESE OXIDES: Properties and Mechanisms of Formation. *Annual Review of Earth and Planetary Sciences*, **2004**, 32, 287-328	15.3	881
44	The Oceanic Crust as a Bioreactor. *Geophysical Monograph Series*, **2004**, 325-341	1.1	16
43	Cr(VI) reduction by sulfidogenic and nonsulfidogenic microbial consortia. *Applied and Environmental Microbiology*, **2003**, 69, 1847-53	4.8	51
42	Lateral injection of oxygen with the Bosporus plume fingers of oxidizing potential in the Black Sea. *Limnology and Oceanography*, **2003**, 48, 2369-2376	4.8	95
41	Cometabolism of Cr(VI) by Shewanella oneidensis MR-1 produces cell-associated reduced chromium and inhibits growth. *Biotechnology and Bioengineering*, **2003**, 83, 627-37	4.9	132
40	Natural Attenuation of Cr(VI) Contamination in Laboratory Mesocosms. *Geomicrobiology Journal*, **2003**, 20, 389-401	2.5	8
39	Localization of Mn(II)-oxidizing activity and the putative multicopper oxidase, MnxG, to the exosporium of the marine Bacillus sp. strain SG-1. *Archives of Microbiology*, **2002**, 178, 450-6	3	86
38	Enzymatic manganese(II) oxidation by metabolically dormant spores of diverse Bacillus species. *Applied and Environmental Microbiology*, **2002**, 68, 874-80	4.8	164
37	Sulfur Disproportionation by the Facultative Anaerobe Pantoea agglomerans SP1 as a Mechanism for Chromium(VI) Reduction. *Geomicrobiology Journal*, **2002**, 19, 121-132	2.5	18
36	cumA multicopper oxidase genes from diverse Mn(II)-oxidizing and non-Mn(II)-oxidizing Pseudomonas strains. *Applied and Environmental Microbiology*, **2001**, 67, 4272-8	4.8	95
35	Enzymatic manganese(II) oxidation by a marine alpha-proteobacterium. *Applied and Environmental Microbiology*, **2001**, 67, 4024-9	4.8	123
34	A large gene cluster encoding several magnetosome proteins is conserved in different species of magnetotactic bacteria. *Applied and Environmental Microbiology*, **2001**, 67, 4573-82	4.8	245
33	Dissimilatory metal reduction by the facultative anaerobe Pantoea agglomerans SP1. *Applied and Environmental Microbiology*, **2000**, 66, 543-8	4.8	133
32	In situ characterization of Mn(II) oxidation by spores of the marine Bacillus sp. strain SG-1. *Geochimica Et Cosmochimica Acta*, **2000**, 64, 2775-2778	5.5	136

31	In situ sulfide removal and CO2 fixation rates at deep-sea hydrothermal vents and the oxic/anoxic interface in Framvaren Fjord, Norway. *Marine Chemistry*, **1999**, 66, 201-213	3.7	23
30	Sulfate-reducing bacterium grows with Cr(VI), U(VI), Mn(IV), and Fe(III) as electron acceptors. *FEMS Microbiology Letters*, **1998**, 162, 193-198	2.9	342
29	c-type cytochromes and manganese oxidation in Pseudomonas putida MnB1. *Applied and Environmental Microbiology*, **1998**, 64, 3549-55	4.8	77
28	Surface Charge Properties of and Cu(II) Adsorption by Spores of the Marine Bacillus sp. Strain SG-1. *Applied and Environmental Microbiology*, **1998**, 64, 1123-9	4.8	102
27	Manganese Oxidation by Spores of the Marine Bacillus sp. Strain SG-1 **1998**, 177-180		2
26	Chapter 7. BACTERIALLY MEDIATED MINERAL FORMATION: INSIGHTS INTO MANGANESE(II) OXIDATION FROM MOLECULAR GENETIC AND BIOCHEMICAL STUDIES **1997**, 225-266		64
25	Identification and characterization of a gene cluster involved in manganese oxidation by spores of the marine Bacillus sp. strain SG-1. *Journal of Bacteriology*, **1996**, 178, 3517-30	3.5	138
24	Unusual ribulose-1,5-bisphosphate carboxylase/oxygenase genes from a marine manganese-oxidizing bacterium. *Microbiology (United Kingdom)*, **1996**, 142 (Pt 9), 2549-59	2.9	39
23	Manganese mineral formation by bacterial spores of the marine Bacillus, strain SG-1: Evidence for the direct oxidation of Mn(II) to Mn(IV). *Geochimica Et Cosmochimica Acta*, **1995**, 59, 4393-4408	5.5	164
22	Oxygen isotope analyses of chemically and microbially produced manganese oxides and manganates. *Geochimica Et Cosmochimica Acta*, **1995**, 59, 4409-4425	5.5	55
21	Cobalt(II) Oxidation by the Marine Manganese(II)-Oxidizing Bacillus sp. Strain SG-1. *Applied and Environmental Microbiology*, **1994**, 60, 2949-57	4.8	68
20	Manganese scavenging and oxidation at hydrothermal vents and in vent plumes. *Geochimica Et Cosmochimica Acta*, **1993**, 57, 3907-3923	5.5	84
19	Genetic analysis of the marine manganese-oxidizing Bacillus sp. strain SG-1: protoplast transformation, Tn917 mutagenesis, and identification of chromosomal loci involved in manganese oxidation. *Journal of Bacteriology*, **1993**, 175, 7594-603	3.5	50
18	Isotopic fractionation of dissolved ammonium at the oxygen-hydrogen sulfide interface in anoxic waters. *Geophysical Research Letters*, **1991**, 18, 649-652	4.9	27
17	Manganese(II) oxidation in the suboxic zone of the Black Sea. *Deep-sea Research Part A, Oceanographic Research Papers*, **1991**, 38, S883-S905		165
16	Occurrence and Mechanisms of Microbial Oxidation of Manganese. *Advances in Applied Microbiology*, **1988**, 33, 279-318	4.9	187
15	The abundance and biological activity of manganese-oxidizing bacteria and Metallogenium-like morphotypes in Lake Washington, USA. *FEMS Microbiology Letters*, **1987**, 45, 21-29	2.9	21
14	Microbial manganese(II) oxidation in the marine environment: a quantitative study. *Biogeochemistry* , **1986**, 2, 149-161	3.8	62

13	Effect of Oxygen Tension, Mn(II) Concentration, and Temperature on the Microbially Catalyzed Mn(II) Oxidation Rate in a Marine Fjord. *Applied and Environmental Microbiology*, **1985**, 50, 1268-73	4.8	60
12	Contribution by symbiotically luminous fishes to the occurrence and bioluminescence of luminous bacteria in seawater. *Microbial Ecology*, **1984**, 10, 69-77	4.4	31
11	Luminous bacteria of a monocentrid fish (Monocentris japonicus) and two anomalopid fishes (Photoblepharon palpebratus and Kryptophanaron alfredi): population sizes and growth within the light organs, and rates of release into the seawater. *Marine Biology*, **1984**, 78, 249-254	2.5	48
10	Microbial mediation of Mn(II) and Co(II) precipitation at the O2/H2S interfaces in two anoxic fjords1. *Limnology and Oceanography*, **1984**, 29, 1247-1258	4.8	108
9	Use of poisons in determination of microbial manganese binding rates in seawater. *Applied and Environmental Microbiology*, **1984**, 47, 740-5	4.8	69
8	Environmental oxidation rate of manganese(II): bacterial catalysis. *Geochimica Et Cosmochimica Acta*, **1982**, 46, 1073-1079	5.5	198
7	CO-EVOLUTION OF LUMINOUS BACTERIA AND THEIR EUKARYOTIC HOSTS. *Annals of the New York Academy of Sciences*, **1981**, 361, 76-91	6.5	4
6	Co-evolution of luminous bacteria and their eukaryotic hosts. *Annals of the New York Academy of Sciences*, **1981**, 361, 76-91	6.5	14
5	Characterization ofAlteromonas hanedai (sp. nov.), a nonfermentative luminous species of marine origin. *Current Microbiology*, **1980**, 3, 311-315	2.4	58
4	Structural features of manganese precipitating bacteria. *Origins of Life and Evolution of Biospheres*, **1980**, 10, 117-126		30
3	Luminous bacteria and light emitting fish: ultrastructure of the symbiosis. *BioSystems*, **1979**, 11, 269-80	1.9	37
2	Direct and Indirect Processes Leading to Uranium(IV) Oxidation139-156		1
1	Sulfate-reducing bacterium grows with Cr(VI), U(VI), Mn(IV), and Fe(III) as electron acceptors		8