

Bradley M Tebo

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156
papers

10,678
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61
h-index

100
g-index

163
ext. papers

12,058
ext. citations

6
avg, IF

6.19
L-index

#	Paper	IF	Citations
156	BIOGENIC MANGANESE OXIDES: Properties and Mechanisms of Formation. <i>Annual Review of Earth and Planetary Sciences</i> , 2004 , 32, 287-328	15.3	881
155	Geomicrobiology of manganese(II) oxidation. <i>Trends in Microbiology</i> , 2005 , 13, 421-8	12.4	473
154	Sulfate-reducing bacterium grows with Cr(VI), U(VI), Mn(IV), and Fe(III) as electron acceptors. <i>FEMS Microbiology Letters</i> , 1998 , 162, 193-198	2.9	342
153	A large gene cluster encoding several magnetosome proteins is conserved in different species of magnetotactic bacteria. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 4573-82	4.8	245
152	Evidence for the presence of Mn(III) intermediates in the bacterial oxidation of Mn(II). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 5558-63	11.5	236
151	Soluble Mn(III) in suboxic zones. <i>Science</i> , 2006 , 313, 1955-7	33.3	230
150	Structural characterization of biogenic Mn oxides produced in seawater by the marine bacillus sp. strain SG-1. <i>American Mineralogist</i> , 2005 , 90, 1342-1357	2.9	214
149	Environmental oxidation rate of manganese(II): bacterial catalysis. <i>Geochimica Et Cosmochimica Acta</i> , 1982 , 46, 1073-1079	5.5	198
148	Biotic and abiotic products of Mn(II) oxidation by spores of the marine Bacillus sp. strain SG-1. <i>American Mineralogist</i> , 2005 , 90, 143-154	2.9	196
147	Occurrence and Mechanisms of Microbial Oxidation of Manganese. <i>Advances in Applied Microbiology</i> , 1988 , 33, 279-318	4.9	187
146	Bacteriogenic manganese oxides. <i>Accounts of Chemical Research</i> , 2010 , 43, 2-9	24.3	171
145	Manganese(II) oxidation in the suboxic zone of the Black Sea. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1991 , 38, S883-S905		165
144	Enzymatic manganese(II) oxidation by metabolically dormant spores of diverse Bacillus species. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 874-80	4.8	164
143	Manganese mineral formation by bacterial spores of the marine Bacillus, strain SG-1: Evidence for the direct oxidation of Mn(II) to Mn(IV). <i>Geochimica Et Cosmochimica Acta</i> , 1995 , 59, 4393-4408	5.5	164
142	Abundant porewater Mn(III) is a major component of the sedimentary redox system. <i>Science</i> , 2013 , 341, 875-8	33.3	163
141	Adsorption of uranium(VI) to manganese oxides: X-ray absorption spectroscopy and surface complexation modeling. <i>Environmental Science & Technology</i> , 2013 , 47, 850-8	10.3	160
140	Diverse Mn(II)-Oxidizing Bacteria Isolated from Submarine Basalts at Loihi Seamount. <i>Geomicrobiology Journal</i> , 2005 , 22, 127-139	2.5	143

139	Identification and characterization of a gene cluster involved in manganese oxidation by spores of the marine <i>Bacillus</i> sp. strain SG-1. <i>Journal of Bacteriology</i> , 1996 , 178, 3517-30	3.5	138
138	In situ characterization of Mn(II) oxidation by spores of the marine <i>Bacillus</i> sp. strain SG-1. <i>Geochimica Et Cosmochimica Acta</i> , 2000 , 64, 2775-2778	5.5	136
137	Dissimilatory metal reduction by the facultative anaerobe <i>Pantoea agglomerans</i> SP1. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 543-8	4.8	133
136	Cometabolism of Cr(VI) by <i>Shewanella oneidensis</i> MR-1 produces cell-associated reduced chromium and inhibits growth. <i>Biotechnology and Bioengineering</i> , 2003 , 83, 627-37	4.9	132
135	Biogenic Uraninite Nanoparticles and Their Importance for Uranium Remediation. <i>Elements</i> , 2008 , 4, 407-412	3.8	126
134	Enzymatic manganese(II) oxidation by a marine alpha-proteobacterium. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 4024-9	4.8	123
133	Reductive sequestration of pertechnetate (TcO_4^-) by nano zerovalent iron (nZVI) transformed by abiotic sulfide. <i>Environmental Science & Technology</i> , 2013 , 47, 5302-10	10.3	120
132	Direct identification of a bacterial manganese(II) oxidase, the multicopper oxidase MnxG, from spores of several different marine <i>Bacillus</i> species. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1527-34	4.8	118
131	Global transcriptional profiling of <i>Shewanella oneidensis</i> MR-1 during Cr(VI) and U(VI) reduction. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 7453-60	4.8	114
130	Manganese(III) binding to a pyoverdine siderophore produced by a manganese(II)-oxidizing bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 4809-4820	5.5	109
129	Microbial mediation of Mn(II) and Co(II) precipitation at the O ₂ /H ₂ S interfaces in two anoxic fjords. <i>Limnology and Oceanography</i> , 1984 , 29, 1247-1258	4.8	108
128	Mn(II,III) oxidation and MnO ₂ mineralization by an expressed bacterial multicopper oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11731-5	11.5	103
127	Surface Charge Properties of and Cu(II) Adsorption by Spores of the Marine <i>Bacillus</i> sp. Strain SG-1. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 1123-9	4.8	102
126	Toxicity of Cr(III) to <i>Shewanella</i> sp. strain MR-4 during Cr(VI) reduction. <i>Environmental Science & Technology</i> , 2007 , 41, 214-20	10.3	96
125	Uranium speciation and stability after reductive immobilization in aquifer sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 6497-6510	5.5	95
124	Lateral injection of oxygen with the Bosphorus plume fingers of oxidizing potential in the Black Sea. <i>Limnology and Oceanography</i> , 2003 , 48, 2369-2376	4.8	95
123	cumA multicopper oxidase genes from diverse Mn(II)-oxidizing and non-Mn(II)-oxidizing <i>Pseudomonas</i> strains. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 4272-8	4.8	95
122	Manganese(II)-oxidizing <i>Bacillus</i> spores in Guaymas Basin hydrothermal sediments and plumes. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 3184-90	4.8	92

121	Simultaneous determination of soluble manganese(III), manganese(II) and total manganese in natural (pore)waters. <i>Talanta</i> , 2011 , 84, 374-81	6.2	89
120	Mn(II) oxidation is catalyzed by heme peroxidases in "Aurantimonas manganoxydans" strain SI85-9A1 and Erythrobacter sp. strain SD-21. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 4130-8	4.8	89
119	Microbial diversity and biogeochemistry of the Guaymas Basin deep-sea hydrothermal plume. <i>Environmental Microbiology</i> , 2010 , 12, 1334-47	5.2	88
118	Localization of Mn(II)-oxidizing activity and the putative multicopper oxidase, MnxG, to the exosporium of the marine Bacillus sp. strain SG-1. <i>Archives of Microbiology</i> , 2002 , 178, 450-6	3	86
117	Ultra-diffuse hydrothermal venting supports Fe-oxidizing bacteria and massive umber deposition at 5000 m off Hawaii. <i>ISME Journal</i> , 2011 , 5, 1748-58	11.9	84
116	Biodiversity and emerging biogeography of the neutrophilic iron-oxidizing Zetaproteobacteria. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 5445-57	4.8	84
115	Manganese scavenging and oxidation at hydrothermal vents and in vent plumes. <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 3907-3923	5.5	84
114	Loihichelins A-F, a suite of amphiphilic siderophores produced by the marine bacterium Halomonas LOB-5. <i>Journal of Natural Products</i> , 2009 , 72, 884-8	4.9	82
113	Rapid, oxygen-dependent microbial Mn(II) oxidation kinetics at sub-micromolar oxygen concentrations in the Black Sea suboxic zone. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 1878-1889	5.5	79
112	c-type cytochromes and manganese oxidation in Pseudomonas putida MnB1. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 3549-55	4.8	77
111	Uraninite oxidation and dissolution induced by manganese oxide: A redox reaction between two insoluble minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 100, 24-40	5.5	76
110	Soluble Mn(III)□ complexes are abundant in oxygenated waters and stabilized by humic ligands. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 199, 238-246	5.5	75
109	A seafloor microbial biome hosted within incipient ferromanganese crusts. <i>Nature Geoscience</i> , 2009 , 2, 872-876	18.3	74
108	Determination of uranyl incorporation into biogenic manganese oxides using x-ray absorption spectroscopy and scattering. <i>Environmental Science & Technology</i> , 2006 , 40, 771-7	10.3	73
107	Enzymatic microbial Mn(II) oxidation and Mn biooxide production in the Guaymas Basin deep-sea hydrothermal plume. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 6517-6530	5.5	72
106	Cr(III) is indirectly oxidized by the Mn(II)-oxidizing bacterium Bacillus sp. strain SG-1. <i>Environmental Science & Technology</i> , 2007 , 41, 528-33	10.3	72
105	The molecular biogeochemistry of manganese(II) oxidation. <i>Biochemical Society Transactions</i> , 2012 , 40, 1244-8	5.1	70
104	Vailulu'u Seamount, Samoa: Life and death on an active submarine volcano. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6448-53	11.5	70

103	Oxidative UO ₂ dissolution induced by soluble Mn(III). <i>Environmental Science & Technology</i> , 2014 , 48, 289-98	10.3	69
102	Elimination of manganese(II,III) oxidation in <i>Pseudomonas putida</i> GB-1 by a double knockout of two putative multicopper oxidase genes. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 357-66	4.8	69
101	Use of poisons in determination of microbial manganese binding rates in seawater. <i>Applied and Environmental Microbiology</i> , 1984 , 47, 740-5	4.8	69
100	Genomic insights into Mn(II) oxidation by the marine alphaproteobacterium <i>Aurantimonas</i> sp. strain SI85-9A1. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 2646-58	4.8	68
99	Cobalt(II) Oxidation by the Marine Manganese(II)-Oxidizing <i>Bacillus</i> sp. Strain SG-1. <i>Applied and Environmental Microbiology</i> , 1994 , 60, 2949-57	4.8	68
98	Microbial communities in dark oligotrophic volcanic ice cave ecosystems of Mt. Erebus, Antarctica. <i>Frontiers in Microbiology</i> , 2015 , 6, 179	5.7	64
97	Chapter 7. BACTERIALLY MEDIATED MINERAL FORMATION: INSIGHTS INTO MANGANESE(II) OXIDATION FROM MOLECULAR GENETIC AND BIOCHEMICAL STUDIES 1997 , 225-266		64
96	Microbial manganese(II) oxidation in the marine environment: a quantitative study. <i>Biogeochemistry</i> , 1986 , 2, 149-161	3.8	62
95	Hidden in plain sight: discovery of sheath-forming, iron-oxidizing Zetaproteobacteria at Loihi Seamount, Hawaii, USA. <i>FEMS Microbiology Ecology</i> , 2013 , 85, 116-27	4.3	60
94	Effect of Oxygen Tension, Mn(II) Concentration, and Temperature on the Microbially Catalyzed Mn(II) Oxidation Rate in a Marine Fjord. <i>Applied and Environmental Microbiology</i> , 1985 , 50, 1268-73	4.8	60
93	Evidence for the presence of strong Mn(III)-binding ligands in the water column of the Chesapeake Bay. <i>Marine Chemistry</i> , 2015 , 171, 58-66	3.7	59
92	Biogeochemical factors affecting mercury methylation in sediments of the Venice Lagoon, Italy. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 655-63	3.8	59
91	Oxidative remobilization of technetium sequestered by sulfide-transformed nano zerovalent iron. <i>Environmental Science & Technology</i> , 2014 , 48, 7409-17	10.3	58
90	Characterization of <i>Alteromonas hanedai</i> (sp. nov.), a nonfermentative luminous species of marine origin. <i>Current Microbiology</i> , 1980 , 3, 311-315	2.4	58
89	Microbial Ecology of Fe (hydr)oxide Mats and Basaltic Rock from Vailulu'u Seamount, American Samoa. <i>Geomicrobiology Journal</i> , 2009 , 26, 581-596	2.5	55
88	Oxygen isotope analyses of chemically and microbially produced manganese oxides and manganates. <i>Geochimica Et Cosmochimica Acta</i> , 1995 , 59, 4409-4425	5.5	55
87	Processes controlling the redox budget for the oxic/anoxic water column of the Black Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006 , 53, 1817-1841	2.3	53
86	Structural dependence of Mn complexation by siderophores: Donor group dependence on complex stability and reactivity. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 88, 106-119	5.5	52

85	Cr(VI) reduction by sulfidogenic and nonsulfidogenic microbial consortia. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 1847-53	4.8	51
84	Genetic analysis of the marine manganese-oxidizing <i>Bacillus</i> sp. strain SG-1: protoplast transformation, Tn917 mutagenesis, and identification of chromosomal loci involved in manganese oxidation. <i>Journal of Bacteriology</i> , 1993 , 175, 7594-603	3.5	50
83	Sulfide and iron control on mercury speciation in anoxic estuarine sediment slurries. <i>Marine Chemistry</i> , 2008 , 111, 214-220	3.7	48
82	Structural Influences of Sodium and Calcium Ions on the Biogenic Manganese Oxides Produced by the Marine <i>Bacillus</i> Sp., Strain SG-1. <i>Geomicrobiology Journal</i> , 2005 , 22, 181-193	2.5	48
81	Luminous bacteria of a monocentrid fish (<i>Monocentris japonicus</i>) and two anomalopid fishes (<i>Photoblepharon palpebratus</i> and <i>Kryptophanaron alfredi</i>): population sizes and growth within the light organs, and rates of release into the seawater. <i>Marine Biology</i> , 1984 , 78, 249-254	2.5	48
80	Inter-relationships of MnO ₂ precipitation, siderophore-Mn(III) complex formation, siderophore degradation, and iron limitation in Mn(II)-oxidizing bacterial cultures. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 5672-5683	5.5	47
79	Biogenic manganese oxide nanoparticle formation by a multimeric multicopper oxidase Mnx. <i>Nature Communications</i> , 2017 , 8, 746	17.4	46
78	Multicopper oxidase involvement in both Mn(II) and Mn(III) oxidation during bacterial formation of MnO ₂ . <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 1151-8	3.7	45
77	Identification of a two-component regulatory pathway essential for Mn(II) oxidation in <i>Pseudomonas putida</i> GB-1. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 1224-31	4.8	44
76	<i>Aurantimonas manganooxydans</i> , sp. nov. and <i>Aurantimonas litoralis</i> , sp. nov.: Mn(II) oxidizing representatives of a globally distributed clade of alpha-Proteobacteria from the order Rhizobiales. <i>Geomicrobiology Journal</i> , 2009 , 26, 189-198	2.5	43
75	Indirect oxidation of Co(II) in the presence of the marine Mn(II)-oxidizing bacterium <i>Bacillus</i> sp. strain SG-1. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 6905-9	4.8	43
74	Indirect UO ₂ oxidation by Mn(II)-oxidizing spores of <i>Bacillus</i> sp. strain SG-1 and the effect of U and Mn concentrations. <i>Environmental Science & Technology</i> , 2008 , 42, 8709-14	10.3	42
73	Cr(III) Oxidation and Cr Toxicity in Cultures of the Manganese(II)-Oxidizing <i>Pseudomonas putida</i> Strain GB-1. <i>Geomicrobiology Journal</i> , 2005 , 22, 151-159	2.5	40
72	Unusual ribulose-1,5-bisphosphate carboxylase/oxygenase genes from a marine manganese-oxidizing bacterium. <i>Microbiology (United Kingdom)</i> , 1996 , 142 (Pt 9), 2549-59	2.9	39
71	Documenting the suboxic zone of the Black Sea via high-resolution real-time redox profiling. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006 , 53, 1740-1755	2.3	38
70	Identification of a Third Mn(II) Oxidase Enzyme in <i>Pseudomonas putida</i> GB-1. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 3774-3782	4.8	38
69	Luminous bacteria and light emitting fish: ultrastructure of the symbiosis. <i>BioSystems</i> , 1979 , 11, 269-80	1.9	37
68	In vitro studies indicate a quinone is involved in bacterial Mn(II) oxidation. <i>Archives of Microbiology</i> , 2008 , 189, 59-69	3	36

67	Ubiquitous dissolved inorganic carbon assimilation by marine bacteria in the Pacific Northwest coastal ocean as determined by stable isotope probing. <i>PLoS ONE</i> , 2012 , 7, e46695	3.7	34
66	Biogenic and Synthetic MnO Nanoparticles: Size and Growth Probed with Absorption and Raman Spectroscopies and Dynamic Light Scattering. <i>Environmental Science & Technology</i> , 2019 , 53, 4185-4197	10.3	32
65	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Coordinated Two-Stage Mn(II)/(III) and Mn(III)/(IV) Mechanism. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11381-11391	16.4	32
64	Oxidative and reductive processes contributing to manganese cycling at oxic-anoxic interfaces. <i>Marine Chemistry</i> , 2017 , 195, 122-128	3.7	32
63	Limitations and benefits of ARISA intra-genomic diversity fingerprinting. <i>Journal of Microbiological Methods</i> , 2009 , 78, 111-8	2.8	31
62	Contribution by symbiotically luminous fishes to the occurrence and bioluminescence of luminous bacteria in seawater. <i>Microbial Ecology</i> , 1984 , 10, 69-77	4.4	31
61	Structural features of manganese precipitating bacteria. <i>Origins of Life and Evolution of Biospheres</i> , 1980 , 10, 117-126		30
60	Effects of Mn(II) on UO ₂ dissolution under anoxic and oxic conditions. <i>Environmental Science & Technology</i> , 2014 , 48, 5546-54	10.3	29
59	An interlaboratory comparison of 16S rRNA gene-based terminal restriction fragment length polymorphism and sequencing methods for assessing microbial diversity of seafloor basalts. <i>Environmental Microbiology</i> , 2009 , 11, 1728-35	5.2	29
58	Isotopic fractionation of dissolved ammonium at the oxygen-hydrogen sulfide interface in anoxic waters. <i>Geophysical Research Letters</i> , 1991 , 18, 649-652	4.9	27
57	Searching for biosignatures using electron paramagnetic resonance (EPR) analysis of manganese oxides. <i>Astrobiology</i> , 2011 , 11, 775-86	3.7	26
56	Cryptic Cross-Linkages Among Biogeochemical Cycles: Novel Insights from Reactive Intermediates. <i>Elements</i> , 2015 , 11, 409-414	3.8	23
55	Culturable Rhodobacter and Shewanella species are abundant in estuarine turbidity maxima of the Columbia River. <i>Environmental Microbiology</i> , 2011 , 13, 589-603	5.2	23
54	Utilization of Substrate Components during Basaltic Glass Colonization by Pseudomonas and Shewanella Isolates. <i>Geomicrobiology Journal</i> , 2009 , 26, 648-656	2.5	23
53	Pseudomonas marincola sp. nov., isolated from marine environments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008 , 58, 706-10	2.2	23
52	In situ sulfide removal and CO ₂ fixation rates at deep-sea hydrothermal vents and the oxic/anoxic interface in Framvaren Fjord, Norway. <i>Marine Chemistry</i> , 1999 , 66, 201-213	3.7	23
51	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. <i>Environmental Microbiology</i> , 2011 , 13, 1561-76	5.2	22
50	Mercury speciation in marine sediments under sulfate-limited conditions. <i>Environmental Science & Technology</i> , 2010 , 44, 3752-7	10.3	22

49	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Binuclear Activation Mechanism. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11369-11380	16.4	21
48	The abundance and biological activity of manganese-oxidizing bacteria and Metallogenium-like morphotypes in Lake Washington, USA. <i>FEMS Microbiology Letters</i> , 1987 , 45, 21-29	2.9	21
47	Dissolved Mn(III) in water treatment works: Prevalence and significance. <i>Water Research</i> , 2018 , 140, 181-190	12.9	20
46	Concentrations of reactive Mn(III)-L and MnO in estuarine and marine waters determined using spectrophotometry and the leuco base, leucoberbelin blue. <i>Talanta</i> , 2019 , 200, 91-99	6.2	18
45	Kinetics of Mn(II) oxidation by spores of the marine Bacillus sp. SG-1. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 189, 58-69	5.5	18
44	Sulfur Disproportionation by the Facultative Anaerobe Pantoea agglomerans SP1 as a Mechanism for Chromium(VI) Reduction. <i>Geomicrobiology Journal</i> , 2002 , 19, 121-132	2.5	18
43	Reduction of Manganese Oxides: Thermodynamic, Kinetic and Mechanistic Considerations for One-Versus Two-Electron Transfer Steps. <i>Aquatic Geochemistry</i> , 2018 , 24, 257-277	1.7	17
42	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. <i>Frontiers in Microbiology</i> , 2017 , 8, 363	5.7	17
41	Pyoverdine synthesis by the Mn(II)-oxidizing bacterium Pseudomonas putida GB-1. <i>Frontiers in Microbiology</i> , 2014 , 5, 202	5.7	17
40	EXAFS, XANES and In-Situ SRXRD Characterization of Biogenic Manganese Oxides Produced in Sea Water. <i>Physica Scripta</i> , 2005 , 888	2.6	17
39	Mn(II) Binding and Subsequent Oxidation by the Multicopper Oxidase MnxG Investigated by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10563-75	16.4	16
38	Pressure effects on Clostridium strains isolated from a cold deep-sea environment. <i>Extremophiles</i> , 2004 , 8, 169-73	3	16
37	The Oceanic Crust as a Bioreactor. <i>Geophysical Monograph Series</i> , 2004 , 325-341	1.1	16
36	Multicopper manganese oxidase accessory proteins bind Cu and heme. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015 , 1854, 1853-1859	4	15
35	Impact of microbial Mn oxidation on the remobilization of bio-reduced U(IV). <i>Environmental Science & Technology</i> , 2013 , 47, 3606-13	10.3	15
34	Substrate specificity and copper loading of the manganese-oxidizing multicopper oxidase Mnx from Bacillus sp. PL-12. <i>Metallomics</i> , 2017 , 9, 183-191	4.5	14
33	The Speciation and Mobility of Mn and Fe in Estuarine Sediments. <i>Aquatic Geochemistry</i> , 2019 , 25, 3-26	1.7	14
32	Oxidative Formation and Removal of Complexed Mn(III) by Species. <i>Frontiers in Microbiology</i> , 2018 , 9, 560	5.7	14

31	The effect of Ca ions and ionic strength on Mn(II) oxidation by spores of the marine sp. SG-1. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 101, 1-11	5.5	14
30	Co-evolution of luminous bacteria and their eukaryotic hosts. <i>Annals of the New York Academy of Sciences</i> , 1981 , 361, 76-91	6.5	14
29	Surface Induced Dissociation Coupled with High Resolution Mass Spectrometry Unveils Heterogeneity of a 211 kDa Multicopper Oxidase Protein Complex. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 723-733	3.5	13
28	Mn(II) oxidation in <i>Pseudomonas putida</i> GB-1 is influenced by flagella synthesis and surface substrate. <i>Archives of Microbiology</i> , 2011 , 193, 605-14	3	12
27	The Molecular Geomicrobiology of Bacterial Manganese(II) Oxidation 2010 , 285-308		12
26	Copper Binding Sites in the Manganese-Oxidizing Mnx Protein Complex Investigated by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8868-8877	16.4	11
25	Marine microbial Mn(II) oxidation mediates Cr(III) oxidation and isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 297, 101-119	5.5	11
24	Dark Carbon Fixation in the Columbia River Estuarine Turbidity Maxima: Molecular Characterization of Red-Type cbbL Genes and Measurement of DIC Uptake Rates in Response to Added Electron Donors. <i>Estuaries and Coasts</i> , 2013 , 36, 1073-1083	2.8	10
23	Biogenic Manganese-Oxide Mineralization is Enhanced by an Oxidative Priming Mechanism for the Multi-Copper Oxidase, MnxEFG. <i>Chemistry - A European Journal</i> , 2017 , 23, 1346-1352	4.8	10
22	Relocation effects of dredged marine sediments on mercury geochemistry: Venice lagoon, Italy. <i>Estuarine, Coastal and Shelf Science</i> , 2011 , 93, 7-13	2.9	10
21	Metagenomic evidence for reciprocal particle exchange between the mainstem estuary and lateral bay sediments of the lower Columbia River. <i>Frontiers in Microbiology</i> , 2015 , 6, 1074	5.7	9
20	Silica Biomineralization of <i>Calothrix</i> -Dominated Biofacies from Queen's Laundry Hot-Spring, Yellowstone National Park, USA. <i>Frontiers in Environmental Science</i> , 2016 , 4,	4.8	9
19	Natural Attenuation of Cr(VI) Contamination in Laboratory Mesocosms. <i>Geomicrobiology Journal</i> , 2003 , 20, 389-401	2.5	8
18	Sulfate-reducing bacterium grows with Cr(VI), U(VI), Mn(IV), and Fe(III) as electron acceptors		8
17	Distribution of desferrioxamine-B-extractable soluble manganese(III) and particulate MnO ₂ in the St. Lawrence Estuary, Canada. <i>Marine Chemistry</i> , 2019 , 208, 70-82	3.7	8
16	<i>Pseudomonas laurentiana</i> sp. nov., an Mn(III)-oxidizing Bacterium Isolated from the St. Lawrence Estuary. <i>Pharmacognosy Communications</i> , 2018 , 8, 153-157	1.4	7
15	Mn(III) species formed by the multi-copper oxidase MnxG investigated by electron paramagnetic resonance spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2018 , 23, 1093-1104	3.7	7
14	The Role of Bacterial Spores in Metal Cycling and Their Potential Application in Metal Contaminant Bioremediation. <i>Microbiology Spectrum</i> , 2016 , 4,	8.9	6

13	Tunable Biogenic Manganese Oxides. <i>Chemistry - A European Journal</i> , 2017 , 23, 13482-13492	4.8	5
12	Distribution and concentration of soluble manganese(II), soluble reactive Mn(III)-L, and particulate MnO ₂ in the Northwest Atlantic Ocean. <i>Marine Chemistry</i> , 2020 , 226, 103858	3.7	5
11	Effects of exogenous pyoverdines on Fe availability and their impacts on Mn(II) oxidation by <i>Pseudomonas putida</i> GB-1. <i>Frontiers in Microbiology</i> , 2014 , 5, 301	5.7	4
10	CO-EVOLUTION OF LUMINOUS BACTERIA AND THEIR EUKARYOTIC HOSTS. <i>Annals of the New York Academy of Sciences</i> , 1981 , 361, 76-91	6.5	4
9	Introduction: Advances in the Geomicrobiology and Biogeochemistry of Manganese and Iron Oxidation. <i>Geomicrobiology Journal</i> , 2005 , 22, 77-78	2.5	3
8	Probing Electron Transfer in the Manganese-Oxide-Forming MnxEFG Protein Complex using Fourier Transformed AC Voltammetry: Understanding the Oxidative Priming Effect. <i>ChemElectroChem</i> , 2018 , 5, 872-876	4.3	2
7	Manganese Oxidation by Spores of the Marine Bacillus sp. Strain SG-1 1998 , 177-180		2
6	Direct and Indirect Processes Leading to Uranium(IV) Oxidation 139-156		1
5	Novel manganese cycling at very low ionic strengths in the Columbia River Estuary. <i>Water Research</i> , 2021 , 207, 117801	12.5	1
4	Manganese Cycling in the Oceans 2019 , 1-14		0
3	The Role of Bacterial Spores in Metal Cycling and Their Potential Application in Metal Contaminant Bioremediation 2016 , 367-386		
2	Imaging and Analyses of Iron-oxidizing Bacteria on Basalt Glass by methods of FIB-SEM and HRTEM. <i>Microscopy and Microanalysis</i> , 2008 , 14, 1560-1561	0.5	
1	Metallo-inhibition of Mnx, a bacterial manganese multicopper oxidase complex. <i>Journal of Inorganic Biochemistry</i> , 2021 , 224, 111547	4.2	