

# Eric S Boyd

## List of Publications by Year in descending order

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131  
papers

7,221  
citations

43973

48  
h-index

69108

77  
g-index

139  
all docs

139  
docs citations

139  
times ranked

6712  
citing authors

#	ARTICLE	IF	CITATIONS
1	[FeFe]- and [NiFe]-hydrogenase diversity, mechanism, and maturation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1350-1369.	1.9	400
2	Engineering algae for biohydrogen and biofuel production. <i>Current Opinion in Biotechnology</i> , 2009, 20, 264-271.	3.3	391
3	Stepwise [FeFe]-hydrogenase H-cluster assembly revealed in the structure of HydA <sup>†</sup> EFG. <i>Nature</i> , 2010, 465, 248-251.	13.7	295
4	The Mercury Resistance Operon: From an Origin in a Geothermal Environment to an Efficient Detoxification Machine. <i>Frontiers in Microbiology</i> , 2012, 3, 349.	1.5	209
5	New insights into the evolutionary history of biological nitrogen fixation. <i>Frontiers in Microbiology</i> , 2013, 4, 201.	1.5	199
6	The Membrane-Associated Methane Monooxygenase (pMMO) and pMMO-NADH:Quinone Oxidoreductase Complex from <i>Methylococcus capsulatus</i> Bath. <i>Journal of Bacteriology</i> , 2003, 185, 5755-5764.	1.0	196
7	Metagenomes from High-Temperature Chemotrophic Systems Reveal Geochemical Controls on Microbial Community Structure and Function. <i>PLoS ONE</i> , 2010, 5, e9773.	1.1	186
8	The modular respiratory complexes involved in hydrogen and sulfur metabolism by heterotrophic hyperthermophilic archaea and their evolutionary implications. <i>FEMS Microbiology Reviews</i> , 2013, 37, 182-203.	3.9	136
9	A pathway for biological methane production using bacterial iron-only nitrogenase. <i>Nature Microbiology</i> , 2018, 3, 281-286.	5.9	131
10	Diversity, Abundance, and Potential Activity of Nitrifying and Nitrate-Reducing Microbial Assemblages in a Subglacial Ecosystem. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4778-4787.	1.4	119
11	A thermophilic bacterial origin and subsequent constraints by redox, light and salinity on the evolution of the microbial mercuric reductase. <i>Environmental Microbiology</i> , 2010, 12, 2904-2917.	1.8	116
12	Molecular evidence for an active endogenous microbiome beneath glacial ice. <i>ISME Journal</i> , 2013, 7, 1402-1412.	4.4	116
13	Roadmap for naming uncultivated Archaea and Bacteria. <i>Nature Microbiology</i> , 2020, 5, 987-994.	5.9	115
14	Mixotrophy drives niche expansion of verrucomicrobial methanotrophs. <i>ISME Journal</i> , 2017, 11, 2599-2610.	4.4	107
15	Spectral and thermodynamic properties of Ag(I), Au(III), Cd(II), Co(II), Fe(III), Hg(II), Mn(II), Ni(II), Pb(II), U(IV), and Zn(II) binding by methanobactin from <i>Methylosinus trichosporium</i> OB3b. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 2150-2161.	1.5	106
16	Interplay between Oxygen and Fe-S Cluster Biogenesis: Insights from the Suf Pathway. <i>Biochemistry</i> , 2014, 53, 5834-5847.	1.2	106
17	Spectral, Kinetic, and Thermodynamic Properties of Cu(I) and Cu(II) Binding by Methanobactin from <i>Methylosinus trichosporium</i> OB3b. <i>Biochemistry</i> , 2006, 45, 1442-1453.	1.2	105
18	An Alternative Path for the Evolution of Biological Nitrogen Fixation. <i>Frontiers in Microbiology</i> , 2011, 2, 205.	1.5	105

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19	Isolation, Characterization, and Ecology of Sulfur-Respiring <i>Crenarchaea</i> Inhabiting Acid-Sulfate-Chloride-Containing Geothermal Springs in Yellowstone National Park. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6669-6677.	1.4	102
20	The deep, hot biosphere: Twenty-five years of retrospection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6895-6903.	3.3	102
21	Transcriptional Profiling of Nitrogen Fixation in <i>Azotobacter vinelandii</i> . <i>Journal of Bacteriology</i> , 2011, 193, 4477-4486.	1.0	99
22	Evolution of Molybdenum Nitrogenase during the Transition from Anaerobic to Aerobic Metabolism. <i>Journal of Bacteriology</i> , 2015, 197, 1690-1699.	1.0	97
23	Influence of bedrock mineral composition on microbial diversity in a subglacial environment. <i>Geology</i> , 2013, 41, 855-858.	2.0	93
24	Chemolithotrophic Primary Production in a Subglacial Ecosystem. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6146-6153.	1.4	92
25	Methanogenesis in subglacial sediments. <i>Environmental Microbiology Reports</i> , 2010, 2, 685-692.	1.0	86
26	Electron Transfer to Nitrogenase in Different Genomic and Metabolic Backgrounds. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	85
27	Temperature and pH controls on glycerol dibiphytanyl glycerol tetraether lipid composition in the hyperthermophilic crenarchaeon <i>Acidilobus sulfurireducens</i> . <i>Extremophiles</i> , 2011, 15, 59-65.	0.9	83
28	The role of geochemistry and energetics in the evolution of modern respiratory complexes from a proton-reducing ancestor. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 958-970.	0.5	79
29	Defining Electron Bifurcation in the Electron-Transferring Flavoprotein Family. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	78
30	Involvement of Intermediate Sulfur Species in Biological Reduction of Elemental Sulfur under Acidic, Hydrothermal Conditions. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2061-2068.	1.4	76
31	Unification of [FeFe]-hydrogenases into three structural and functional groups. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1910-1921.	1.1	76
32	Phylogenetic and Functional Analysis of Metagenome Sequence from High-Temperature Archaeal Habitats Demonstrate Linkages between Metabolic Potential and Geochemistry. <i>Frontiers in Microbiology</i> , 2013, 4, 95.	1.5	73
33	Geobiological feedbacks and the evolution of thermoacidophiles. <i>ISME Journal</i> , 2018, 12, 225-236.	4.4	70
34	The Role of Tetraether Lipid Composition in the Adaptation of Thermophilic Archaea to Acidity. <i>Frontiers in Microbiology</i> , 2013, 4, 62.	1.5	69
35	Biosynthesis of complex iron-sulfur enzymes. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 319-327.	2.8	65
36	Modeling the Habitat Range of Phototrophs in Yellowstone National Park: Toward the Development of a Comprehensive Fitness Landscape. <i>Frontiers in Microbiology</i> , 2012, 3, 221.	1.5	64

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37	Contrasting Patterns of Community Assembly in the Stratified Water Column of Great Salt Lake, Utah. <i>Microbial Ecology</i> , 2013, 66, 268-280.	1.4	64
38	[FeFe]-hydrogenase in Yellowstone National Park: evidence for dispersal limitation and phylogenetic niche conservatism. <i>ISME Journal</i> , 2010, 4, 1485-1495.	4.4	63
39	Classifying the metal dependence of uncharacterized nitrogenases. <i>Frontiers in Microbiology</i> , 2012, 3, 419.	1.5	62
40	Aerobic and Anaerobic Thiosulfate Oxidation by a Cold-Adapted, Subglacial Chemoautotroph. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1486-1495.	1.4	62
41	Mineralogy Influences Structure and Diversity of Bacterial Communities Associated with Geological Substrata in a Pristine Aquifer. <i>Microbial Ecology</i> , 2007, 54, 170-182.	1.4	61
42	Physiological adaptations to serpentinization in the Samail Ophiolite, Oman. <i>ISME Journal</i> , 2019, 13, 1750-1762.	4.4	61
43	CO <sub>2</sub> Uptake and Fixation by a Thermoacidophilic Microbial Community Attached to Precipitated Sulfur in a Geothermal Spring. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4289-4296.	1.4	60
44	Ecological differentiation in planktonic and sediment-associated chemotrophic microbial populations in Yellowstone hot springs. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw137.	1.3	60
45	â€œCandidatus <i>Thermonerobacter thiotrophicus</i> ,â€ A Non-phototrophic Member of the Bacteroidetes/Chlorobi With Dissimilatory Sulfur Metabolism in Hot Spring Mat Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 3159.	1.5	57
46	Mixing of meteoric and geothermal fluids supports hyperdiverse chemosynthetic hydrothermal communities. <i>Nature Communications</i> , 2019, 10, 681.	5.8	57
47	Geobiological feedbacks, oxygen, and the evolution of nitrogenase. <i>Free Radical Biology and Medicine</i> , 2019, 140, 250-259.	1.3	56
48	Two functionally distinct NADP <sup>+</sup> -dependent ferredoxin oxidoreductases maintain the primary redox balance of <i>Pyrococcus furiosus</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 14603-14616.	1.6	54
49	Carbon Source Preference in Chemosynthetic Hot Spring Communities. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3834-3847.	1.4	52
50	Evolutionary significance of an algal gene encoding an [FeFe]-hydrogenase with F-domain homology and hydrogenase activity in <i>Chlorella variabilis</i> NC64A. <i>Planta</i> , 2011, 234, 829-843.	1.6	50
51	[FeFe] Hydrogenase Genetic Diversity Provides Insight into Molecular Adaptation in a Saline Microbial Mat Community. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4620-4623.	1.4	48
52	Hydrogen Metabolism and the Evolution of Biological Respiration. <i>Microbe Magazine</i> , 2014, 9, 361-367.	0.4	47
53	Competition for Ammonia Influences the Structure of Chemotrophic Communities in Geothermal Springs. <i>Applied and Environmental Microbiology</i> , 2014, 80, 653-661.	1.4	46
54	Stable Isotope Probing for Microbial Iron Reduction in Chocolate Pots Hot Spring, Yellowstone National Park. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	46

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55	Biological nitrogen fixation in acidic high-temperature geothermal springs in Yellowstone National Park, Wyoming. <i>Environmental Microbiology</i> , 2011, 13, 2204-2215.	1.8	45
56	Principles of Geobiochemistry. <i>Elements</i> , 2015, 11, 395-401.	0.5	43
57	Single-Cell Genomics of Novel Actinobacteria With the Wood-Ljungdahl Pathway Discovered in a Serpentinizing System. <i>Frontiers in Microbiology</i> , 2020, 11, 1031.	1.5	41
58	Environmental Constraints Underpin the Distribution and Phylogenetic Diversity of <i>nifH</i> in the Yellowstone Geothermal Complex. <i>Microbial Ecology</i> , 2011, 61, 860-870.	1.4	40
59	Influence of glaciation on mechanisms of mineral weathering in two high Arctic catchments. <i>Chemical Geology</i> , 2016, 420, 37-50.	1.4	40
60	Effect of salinity on mercury methylating benthic microbes and their activities in Great Salt Lake, Utah. <i>Science of the Total Environment</i> , 2017, 581-582, 495-506.	3.9	40
61	The Intersection of Geology, Geochemistry, and Microbiology in Continental Hydrothermal Systems. <i>Astrobiology</i> , 2019, 19, 1505-1522.	1.5	40
62	Microbial substrate preference dictated by energy demand rather than supply. <i>Nature Geoscience</i> , 2017, 10, 577-581.	5.4	39
63	H/D exchange mass spectrometry and statistical coupling analysis reveal a role for allostery in a ferredoxin-dependent bifurcating transhydrogenase catalytic cycle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 9-17.	1.1	38
64	Diversification of methanogens into hyperalkaline serpentinizing environments through adaptations to minimize oxidant limitation. <i>ISME Journal</i> , 2021, 15, 1121-1135.	4.4	37
65	Expanded Diversity and Phylogeny of <i>mer</i> Genes Broadens Mercury Resistance Paradigms and Reveals an Origin for <i>MerA</i> Among Thermophilic Archaea. <i>Frontiers in Microbiology</i> , 2021, 12, 682605.	1.5	37
66	The DUF59 Containing Protein <i>SufT</i> Is Involved in the Maturation of Iron-Sulfur (FeS) Proteins during Conditions of High FeS Cofactor Demand in <i>Staphylococcus aureus</i> . <i>PLoS Genetics</i> , 2016, 12, e1006233.	1.5	37
67	Subsurface processes influence oxidant availability and chemoautotrophic hydrogen metabolism in Yellowstone hot springs. <i>Geobiology</i> , 2018, 16, 674-692.	1.1	35
68	Substrate specificity and evolutionary implications of a <i>NifDK</i> enzyme carrying <i>NifB</i> at its active site. <i>FEBS Letters</i> , 2010, 584, 1487-1492.	1.3	34
69	Origin and Evolution of Flavin-Based Electron Bifurcating Enzymes. <i>Frontiers in Microbiology</i> , 2018, 9, 1762.	1.5	34
70	Environmental Conditions Constrain the Distribution and Diversity of Archaeal <i>merA</i> in Yellowstone National Park, Wyoming, U.S.A.. <i>Microbial Ecology</i> , 2011, 62, 739-752.	1.4	33
71	Influence of Growth Phase, pH, and Temperature on the Abundance and Composition of Tetraether Lipids in the Thermoacidophile <i>Picrophilus torridus</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1323.	1.5	33
72	Bioenergetic constraints on the origin of autotrophic metabolism. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190151.	1.6	33

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73	The Molecular Basis for Life in Extreme Environments. <i>Annual Review of Biophysics</i> , 2021, 50, 343-372.	4.5	31
74	The Physiological Functions and Structural Determinants of Catalytic Bias in the [FeFe]-Hydrogenases Cpl and Cpll of <i>Clostridium pasteurianum</i> Strain W5. <i>Frontiers in Microbiology</i> , 2017, 8, 1305.	1.5	30
75	Molecular Evidence for an Active Microbial Methane Cycle in Subsurface Serpentinite-Hosted Groundwaters in the Samail Ophiolite, Oman. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	29
76	Acidianus Tailed Spindle Virus: a New Archaeal Large Tailed Spindle Virus Discovered by Culture-Independent Methods. <i>Journal of Virology</i> , 2016, 90, 3458-3468.	1.5	27
77	Accessing the Subsurface Biosphere Within Rocks Undergoing Active Low-Temperature Serpentinization in the Samail Ophiolite (Oman Drilling Project). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006315.	1.3	27
78	Methylmercury enters an aquatic food web through acidophilic microbial mats in Yellowstone National Park, Wyoming. <i>Environmental Microbiology</i> , 2009, 11, 950-959.	1.8	26
79	The path of electron transfer to nitrogenase in a phototrophic alpha-proteobacterium. <i>Environmental Microbiology</i> , 2018, 20, 2500-2508.	1.8	26
80	Radical AdoMet enzymes in complex metal cluster biosynthesis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1254-1263.	1.1	25
81	Merging metagenomics and geochemistry reveals environmental controls on biological diversity and evolution. <i>BMC Ecology</i> , 2014, 14, 16.	3.0	24
82	Alkaline vents and steep Na <sup>+</sup> gradients from ridge-flank basalts—Implications for the origin and evolution of life. <i>Geology</i> , 2017, 45, 1135-1138.	2.0	24
83	Effects of salinity on microbialite-associated production in Great Salt Lake, Utah. <i>Ecology</i> , 2019, 100, e02611.	1.5	24
84	Phylogenomic analysis of novel Diaforarchaea is consistent with sulfite but not sulfate reduction in volcanic environments on early Earth. <i>ISME Journal</i> , 2020, 14, 1316-1331.	4.4	24
85	Mechanisms of Mineral Substrate Acquisition in a Thermoacidophile. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	23
86	Aqueous Geochemical and Microbial Variation Across Discrete Depth Intervals in a Peridotite Aquifer Assessed Using a Packer System in the Samail Ophiolite, Oman. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006319.	1.3	23
87	4 Metabolic and taxonomic diversification in continental magmatic hydrothermal systems. , 0, , .		22
88	Probing the geological source and biological fate of hydrogen in Yellowstone hot springs. <i>Environmental Microbiology</i> , 2019, 21, 3816-3830.	1.8	22
89	Reductive dissolution of pyrite by methanogenic archaea. <i>ISME Journal</i> , 2021, 15, 3498-3507.	4.4	22
90	Evolutionary and Biotechnological Implications of Robust Hydrogenase Activity in Halophilic Strains of <i>Tetraselmis</i> . <i>PLoS ONE</i> , 2014, 9, e85812.	1.1	21

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91	Stable isotopes track biogeochemical processes under seasonal ice cover in a shallow, productive lake. <i>Biogeochemistry</i> , 2014, 120, 359-379.	1.7	19
92	Investigating the Composition and Metabolic Potential of Microbial Communities in Chocolate Pots Hot Springs. <i>Frontiers in Microbiology</i> , 2018, 9, 2075.	1.5	19
93	An Ecological Perspective on Dolomite Formation in Great Salt Lake, Utah. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	19
94	Geochemical, Biological, and Clumped Isotopologue Evidence for Substantial Microbial Methane Production Under Carbon Limitation in Serpentinites of the Samail Ophiolite, Oman. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006025.	1.3	19
95	Lithogenic hydrogen supports microbial primary production in subglacial and proglacial environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
96	[FeFe]-Hydrogenase Abundance and Diversity along a Vertical Redox Gradient in Great Salt Lake, USA. <i>International Journal of Molecular Sciences</i> , 2014, 15, 21947-21966.	1.8	17
97	Electron acceptor availability alters carbon and energy metabolism in a thermoacidophile. <i>Environmental Microbiology</i> , 2018, 20, 2523-2537.	1.8	17
98	Geologic legacy spanning >90% years explains unique Yellowstone hot spring geochemistry and biodiversity. <i>Environmental Microbiology</i> , 2019, 21, 4180-4195.	1.8	17
99	A review of the mechanisms of mineral-based metabolism in early Earth analog rock-hosted hydrothermal ecosystems. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 29.	1.7	17
100	Seasonal hydrologic and geologic forcing drive hot spring geochemistry and microbial biodiversity. <i>Environmental Microbiology</i> , 2021, 23, 4034-4053.	1.8	17
101	An essential role for tungsten in the ecology and evolution of a previously uncultivated lineage of anaerobic, thermophilic Archaea. <i>Nature Communications</i> , 2022, 13, .	5.8	16
102	Differential temperature and pH controls on the abundance and composition of H-GDGTs in terrestrial hot springs. <i>Organic Geochemistry</i> , 2014, 75, 109-121.	0.9	15
103	Chapter 7.2 of Mount Erebus. <i>Geological Society Memoir</i> , 2021, 55, 695-739.	0.9	15
104	Pathways of Iron and Sulfur Acquisition, Cofactor Assembly, Destination, and Storage in Diverse Archaeal Methanogens and Alkanotrophs. <i>Journal of Bacteriology</i> , 2021, 203, e0011721.	1.0	15
105	Biochemical and Structural Properties of a Thermostable Mercuric Ion Reductase from <i>Metallosphaera sedula</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 97.	2.0	14
106	The Beta Subunit of Non-bifurcating NADH-Dependent [FeFe]-Hydrogenases Differs From Those of Multimeric Electron-Bifurcating [FeFe]-Hydrogenases. <i>Frontiers in Microbiology</i> , 2020, 11, 1109.	1.5	14
107	Origin of arsenolipids in sediments from Great Salt Lake. <i>Environmental Chemistry</i> , 2019, 16, 303.	0.7	13
108	Examining Pathways of Iron and Sulfur Acquisition, Trafficking, Deployment, and Storage in Mineral-Grown Methanogen Cells. <i>Journal of Bacteriology</i> , 2021, 203, e0014621.	1.0	13

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109	Biogeochemical and microbial seasonal dynamics between water column and sediment processes in a productive mountain lake: Georgetown Lake, MT, USA. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2064-2081.	1.3	12
110	Microbialites of Great Salt Lake. , 2020, , 87-118.		11
111	Organomercurial Lyase (MerB)-Mediated Demethylation Decreases Bacterial Methylmercury Resistance in the Absence of Mercuric Reductase (MerA). <i>Applied and Environmental Microbiology</i> , 2022, 88, aem001022.	1.4	11
112	Substrate preference, uptake kinetics and bioenergetics in a facultatively autotrophic, thermoacidophilic crenarchaeote. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw069.	1.3	10
113	Investigating Abiotic and Biotic Mechanisms of Pyrite Reduction. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	10
114	Reductive biomining of pyrite by methanogens. <i>Trends in Microbiology</i> , 2022, 30, 1072-1083.	3.5	10
115	Biochemical and Structural Characterization of Enolase from <i>Chloroflexus aurantiacus</i> : Evidence for a Thermophilic Origin. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 74.	2.0	9
116	4 Metabolic and taxonomic diversification in continental magmatic hydrothermal systems. , 2015, , 57-96.		9
117	Editorial: Microbial Hydrogen Metabolism. <i>Frontiers in Microbiology</i> , 2020, 11, 56.	1.5	8
118	Stable Fe isotope fractionation during dissimilatory Fe(III) reduction by a thermoacidophile in acidic hydrothermal environments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 427-451.	1.6	8
119	Hydrogenases, Nitrogenases, Anoxia, and H <sub>2</sub> Production in Water-Oxidizing Phototrophs. , 2013, , 37-75.		7
120	Cyanobacteria and Algae Meet at the Limits of Their Habitat Ranges in Moderately Acidic Hot Springs. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	7
121	Ecological Dichotomies Arise in Microbial Communities Due to Mixing of Deep Hydrothermal Waters and Atmospheric Gas in a Circumneutral Hot Spring. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0159821.	1.4	6
122	Transformation of low-molecular-weight organic acids by microbial endoliths in subsurface mafic and ultramafic igneous rock. <i>Environmental Microbiology</i> , 2022, 24, 4137-4152.	1.8	6
123	<sc><i>Archaea</i> on the move. <i>Environmental Microbiology Reports</i> , 2015, 7, 385-387.	1.0	5
124	Unexpected Abundance and Diversity of Phototrophs in Mats from Morphologically Variable Microbialites in Great Salt Lake, Utah. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	5
125	Structural evolution of the ancient enzyme, dissimilatory sulfite reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 1331-1345.	1.5	5
126	23. Origin and evolution of Fe-S proteins and enzymes. , 2014, , 619-636.		3



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127	Discovery and Characterization of Thermoproteus Spherical Piliferous Virus 1: a Spherical Archaeal Virus Decorated with Unusual Filaments. <i>Journal of Virology</i> , 2020, 94, .	1.5	2
128	Effects of Salinity on Microbialite-Associated Production in Great Salt Lake, Utah. <i>Bulletin of the Ecological Society of America</i> , 2019, 100, e01513.	0.2	1
129	THE MICROBIALITES OF UTAH'S GREAT SALT LAKE: GEOLOGY VS. BIOLOGY. , 2017, , .		1
130	Geochemical and Stable Fe Isotopic Analysis of Dissimilatory Microbial Iron Reduction in Chocolate Pots Hot Spring, Yellowstone National Park. <i>Astrobiology</i> , 2021, 21, 83-102.	1.5	0
131	Biogenesis of the H-cluster of the [FeFe]-hydrogenase. <i>FASEB Journal</i> , 2013, 27, 98.2.	0.2	0