

Cristina N Butterfield

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,216
citations

840776

11
h-index

1058476

14
g-index

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all docs

15
docs citations

15
times ranked

2296
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel soil bacteria possess diverse genes for secondary metabolite biosynthesis. <i>Nature</i> , 2018, 558, 440-444.	27.8	321
2	Brassinosteroid perception in the epidermis controls root meristem size. <i>Development (Cambridge)</i> , 2011, 138, 839-848.	2.5	302
3	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, 11731-11735.	7.1	137
4	Proteogenomic analyses indicate bacterial methylotrophy and archaeal heterotrophy are prevalent below the grass root zone. <i>PeerJ</i> , 2016, 4, e2687.	2.0	124
5	New auxin analogs with growth-promoting effects in intact plants reveal a chemical strategy to improve hormone delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15190-15195.	7.1	100
6	The molecular biogeochemistry of manganese(II) oxidation. <i>Biochemical Society Transactions</i> , 2012, 40, 1244-1248.	3.4	95
7	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, 1151-1158.	2.6	51
8	Multicopper manganese oxidase accessory proteins bind Cu and heme. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1853-1859.	2.3	24
9	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, 10563-10575.	13.7	17
10	Substrate specificity and copper loading of the manganese-oxidizing multicopper oxidase Mnx from <i>Bacillus</i> sp. PL-12. <i>Metallomics</i> , 2017, 9, 183-191.	2.4	17
11	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.	3.3	12
12	The Role of Bacterial Spores in Metal Cycling and Their Potential Application in Metal Contaminant Bioremediation. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	7
13	Novel Type V-A CRISPR Effectors Are Active Nucleases with Expanded Targeting Capabilities. <i>CRISPR Journal</i> , 2020, 3, 454-461.	2.9	7
14	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.	3.4	2
15	The Role of Bacterial Spores in Metal Cycling and Their Potential Application in Metal Contaminant Bioremediation. , 0, , 367-386.		0