

Danielle Fortin

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,710
citations

430874

18
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation and occurrence of biogenic iron-rich minerals. <i>Earth-Science Reviews</i> , 2005, 72, 1-19.	9.1	289
2	Adsorption of rare earth elements onto bacterial cell walls and its implication for REE sorption onto natural microbial mats. <i>Chemical Geology</i> , 2005, 219, 53-67.	3.3	211
3	Formation of Fe-silicates and Fe-oxides on bacterial surfaces in samples collected near hydrothermal vents on the Southern Explorer Ridge in the Northeast Pacific Ocean. <i>American Mineralogist</i> , 1998, 83, 1399-1408.	1.9	136
4	The effect of growth phase on proton and metal adsorption by <i>Bacillus subtilis</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1025-1035.	3.9	135
5	A rare earth element signature of bacteria in natural waters?. <i>Chemical Geology</i> , 2007, 244, 569-583.	3.3	92
6	Biogeochemical factors influencing net mercury methylation in contaminated freshwater sediments from the St. Lawrence River in Cornwall, Ontario, Canada. <i>Science of the Total Environment</i> , 2011, 409, 968-978.	8.0	91
7	Sorption of Strontium onto Bacteriogenic Iron Oxides. <i>Environmental Science & Technology</i> , 2009, 43, 1008-1014.	10.0	79
8	Characterization of Iron-Oxides Formed by Oxidation of Ferrous Ions in the Presence of Various Bacterial Species and Inorganic Ligands. <i>Geomicrobiology Journal</i> , 2004, 21, 99-112.	2.0	74
9	Hg(II) Adsorption by Bacteria: A Surface Complexation Model and Its Application to Shallow Acidic Lakes and Wetlands in Kejimikujik National Park, Nova Scotia, Canada. <i>Environmental Science & Technology</i> , 2002, 36, 1546-1553.	10.0	69
10	Microbial and geochemical features suggest iron redox cycling within bacteriogenic iron oxide-rich sediments. <i>Chemical Geology</i> , 2011, 281, 41-51.	3.3	67
11	Hydrothermal nontronite formation at Eolo Seamount (Aeolian volcanic arc, Tyrrhenian Sea). <i>Chemical Geology</i> , 2007, 245, 103-119.	3.3	64
12	Adsorption and precipitation of iron from seawater on a marine bacteriophage (PWH3A-P1). <i>Marine Chemistry</i> , 2004, 91, 101-115.	2.3	62
13	Effect of the presence of bacterial surfaces during the synthesis of Fe oxides by oxidation of ferrous ions. <i>European Journal of Mineralogy</i> , 2001, 13, 705-714.	1.3	53
14	Adsorption of ferrous ions onto <i>Bacillus subtilis</i> cells. <i>Chemical Geology</i> , 2004, 212, 209-228.	3.3	51
15	GEOCHEMISTRY: Enhanced: What Biogenic Minerals Tell Us. <i>Science</i> , 2004, 303, 1618-1619.	12.6	44
16	Indicators of Microbial Sulfate Reduction in Acidic Sulfide-Rich Mine Tailings. <i>Geomicrobiology Journal</i> , 2004, 21, 457-467.	2.0	41
17	Insights into the Global Microbial Community Structure Associated with Iron Oxyhydroxide Minerals Deposited in the Aerobic Biogeosphere. <i>Geomicrobiology Journal</i> , 2012, 29, 587-610.	2.0	27
18	Seasonal Changes In Mineralogy, Geochemistry and Microbial Community of Bacteriogenic Iron Oxides (BIOS) Deposited in a Circumneutral Wetland. <i>Geomicrobiology Journal</i> , 2012, 29, 161-172.	2.0	27

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19	Development of Iron-Phosphate Biofilms on Pyritic Mine Waste Rock Surfaces Previously Treated with Natural Phosphate Rocks. <i>Geomicrobiology Journal</i> , 2004, 21, 313-323.	2.0	19
20	Strontium desorption from bacteriogenic iron oxides (BIOS) subjected to microbial Fe(III) reduction. <i>Chemical Geology</i> , 2009, 262, 217-228.	3.3	19
21	Formation of Fe-silicates and Fe-oxides on bacterial surfaces in samples collected near hydrothermal vents on the Southern Explorer Ridge in the Northeast Pacific Ocean. <i>American Mineralogist</i> , 1998, 83, 1399-1408.	1.9	14
22	A comparison of Fe(III) reduction rates between fresh and aged biogenic iron oxides (BIOS) by <i>Shewanella putrefaciens</i> CN32. <i>Chemical Geology</i> , 2016, 439, 1-12.	3.3	12
23	Regulation of Fe ³⁺ -oxide Formation Among Fe ²⁺ -oxidizing Bacteria. <i>Geomicrobiology Journal</i> , 2012, 29, 537-543.	2.0	10
24	Rates of Fe(II)-Oxidation and Solubility of Bacteriogenic Iron Oxides. <i>Geomicrobiology Journal</i> , 2016, 33, 237-242.	2.0	10
25	Microscale Characterization and Trace Element Distribution in Bacteriogenic Ferromanganese Coatings on Sand Grains from an Intertidal Zone of the East China Sea. <i>PLoS ONE</i> , 2015, 10, e0119080.	2.5	7
26	Characterization of Fe-S minerals influenced by buried ancient woods in the intertidal zone, East China Sea. <i>Science Bulletin</i> , 2009, 54, 1931-1940.	9.0	4
27	Effect of Growth Phase and Metabolic Activity on the Adhesion of <i>Escherichia coli</i> K-12 AB264 to Quartz and Lepidocrocite. <i>Geomicrobiology Journal</i> , 2007, 24, 179-187.	2.0	1