

Naoyuki Miyata

List of Publications by Year in descending order

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27
papers

1,129
citations

623734

14
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526287

27
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27
all docs

27
docs citations

27
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial manganese oxide formation and interaction with toxic metal ions. Journal of Bioscience and Bioengineering, 2007, 104, 1-8.	2.2	161
2	Structure of nanocrystalline phyllophanes produced by freshwater fungi. American Mineralogist, 2010, 95, 1608-1616.	1.9	138
3	Enzymatic formation of manganese oxides by an Acremonium-like hyphomycete fungus, strain KR21-2. FEMS Microbiology Ecology, 2004, 47, 101-109.	2.7	121
4	Interaction of Inorganic Arsenic with Biogenic Manganese Oxide Produced by a Mn-Oxidizing Fungus, Strain KR21-2. Environmental Science & Technology, 2004, 38, 6618-6624.	10.0	110
5	Manganese(IV) Oxide Production by Acremonium sp. Strain KR21-2 and Extracellular Mn(II) Oxidase Activity. Applied and Environmental Microbiology, 2006, 72, 6467-6473.	3.1	103
6	Sorption of Co(II), Ni(II), and Zn(II) on Biogenic Manganese Oxides Produced by a Mn-Oxidizing Fungus, Strain KR21-2. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2641-2660.	1.7	89
7	Biogeochemistry of manganese oxide coatings on pebble surfaces in the Kikukawa River System, Shizuoka, Japan. Applied Geochemistry, 2003, 18, 1541-1554.	3.0	74
8	Production of Biogenic Manganese Oxides by Anamorphic Ascomycete Fungi Isolated from Streambed Pebbles. Geomicrobiology Journal, 2006, 23, 63-73.	2.0	61
9	As(III) oxidation kinetics of biogenic manganese oxides formed by Acremonium strictum strain KR21-2. Chemical Geology, 2013, 347, 227-232.	3.3	38
10	Zn(II) sequestration by fungal biogenic manganese oxide through enzymatic and abiotic processes. Chemical Geology, 2014, 383, 155-163.	3.3	35
11	Concurrent sorption of As(V) and Mn(II) during biogenic manganese oxide formation. Chemical Geology, 2012, 306-307, 123-128.	3.3	27
12	Cobalt(II) sequestration on fungal biogenic manganese oxide enhanced by manganese(II) oxidase activity. Applied Geochemistry, 2013, 37, 170-178.	3.0	22
13	Sequestration of Cd(II) and Ni(II) ions on fungal manganese oxides associated with Mn(II) oxidase activity. Applied Geochemistry, 2014, 47, 198-208.	3.0	19
14	Fungal Mn oxides supporting Mn(II) oxidase activity as effective Mn(II) sequestering materials. Environmental Technology (United Kingdom), 2013, 34, 2781-2787.	2.2	17
15	Transfer of cyanobacterial carbon to a higher trophic-level fish community in a eutrophic lake food web: fatty acid and stable isotope analyses. Oecologia, 2018, 188, 901-912.	2.0	15
16	Formation of Filamentous Mn Oxide Particles by the Alphaproteobacterium <i>Bosea</i> sp. Strain BIWAKO-01. Geomicrobiology Journal, 2015, 32, 666-676.	2.0	14
17	Sequestration and Oxidation of Cr(III) by Fungal Mn Oxides with Mn(II) Oxidizing Activity. Catalysts, 2020, 10, 44.	3.5	14
18	Oxidative Ce ³⁺ sequestration by fungal manganese oxides with an associated Mn(II) oxidase activity. Applied Geochemistry, 2016, 71, 110-122.	3.0	12

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19	Sequestration of La ³⁺ by fungal manganese oxides and the effect of Mn(II) oxidase activity. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 735-743.	6.7	10
20	Molecular Cloning and Heterologous Expression of Manganese(II)-Oxidizing Enzyme from <i>Acremonium strictum</i> Strain KR21-2. <i>Catalysts</i> , 2020, 10, 686.	3.5	9
21	Magnetically modified fungal Mn oxides with high sequestration efficiency for simultaneously removing multiple heavy metal ions from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1635-1641.	6.7	8
22	Complete Genome Sequence of the Unclassified Iron-Oxidizing, Chemolithoautotrophic <i>Burkholderiales</i> Bacterium GJ-E10, Isolated from an Acidic River. <i>Genome Announcements</i> , 2015, 3, .	0.8	8
23	Origin of Carbon and Essential Fatty Acids in Higher Trophic Level Fish in Headwater Stream Food Webs. <i>Biomolecules</i> , 2019, 9, 487.	4.0	8
24	Simultaneous Sequestration of Co ²⁺ and Mn ²⁺ by Fungal Manganese Oxide through Asbolane Formation. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 358.	2.0	6
25	Biosynthesis of Schwertmannite and Goethite in a Bioreactor with Acidophilic Fe(II)-Oxidizing <i>Betaproteobacterium</i> Strain GJ-E10. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 98.	2.0	5
26	Preferential Elimination of Ba ²⁺ through Irreversible Biogenic Manganese Oxide Sequestration. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 53.	2.0	4
27	Biogenic Manganese Oxide Production by Microorganisms: Microbe-Metal Interactions and Application to Environmental Technology: Four Issues on Studies of Microbial Manganese Oxidation. <i>Kagaku To Seibutsu</i> , 2020, 58, 562-570.	0.0	1