

Yukinori Tani

List of Publications by Year in descending order

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28
papers

1,142
citations

567281

15
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

759
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial manganese oxide formation and interaction with toxic metal ions. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 1-8.	2.2	161
2	Structure of nanocrystalline phylломanganates produced by freshwater fungi. <i>American Mineralogist</i> , 2010, 95, 1608-1616.	1.9	138
3	Enzymatic formation of manganese oxides by an <i>Acremonium</i> -like hyphomycete fungus, strain KR21-2. <i>FEMS Microbiology Ecology</i> , 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. <i>Environmental Science & Technology</i> , 2004, 38, 6618-6624.	10.0	110
5	Manganese(IV) Oxide Production by <i>Acremonium</i> sp. Strain KR21-2 and Extracellular Mn(II) Oxidase Activity. <i>Applied and Environmental Microbiology</i> , 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. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 2641-2660.	1.7	89
7	Biogeochemistry of manganese oxide coatings on pebble surfaces in the Kikukawa River System, Shizuoka, Japan. <i>Applied Geochemistry</i> , 2003, 18, 1541-1554.	3.0	74
8	Production of Biogenic Manganese Oxides by Anamorphic Ascomycete Fungi Isolated from Streambed Pebbles. <i>Geomicrobiology Journal</i> , 2006, 23, 63-73.	2.0	61
9	As(III) oxidation kinetics of biogenic manganese oxides formed by <i>Acremonium strictum</i> strain KR21-2. <i>Chemical Geology</i> , 2013, 347, 227-232.	3.3	38
10	Zn(II) sequestration by fungal biogenic manganese oxide through enzymatic and abiotic processes. <i>Chemical Geology</i> , 2014, 383, 155-163.	3.3	35
11	Concurrent sorption of As(V) and Mn(II) during biogenic manganese oxide formation. <i>Chemical Geology</i> , 2012, 306-307, 123-128.	3.3	27
12	Effect of particle size on the colonization of biofilms and the potential of biofilm-covered microplastics as metal carriers. <i>Science of the Total Environment</i> , 2022, 821, 153265.	8.0	25
13	Cobalt(II) sequestration on fungal biogenic manganese oxide enhanced by manganese(II) oxidase activity. <i>Applied Geochemistry</i> , 2013, 37, 170-178.	3.0	22
14	Sequestration of Cd(II) and Ni(II) ions on fungal manganese oxides associated with Mn(II) oxidase activity. <i>Applied Geochemistry</i> , 2014, 47, 198-208.	3.0	19
15	Fungal Mn oxides supporting Mn(II) oxidase activity as effective Mn(II) sequestering materials. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2781-2787.	2.2	17
16	Adsorption of Cs onto Biogenic Birnessite: Effects of Layer Structure, Ionic Strength, and Competition Cations. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 797-810.	2.7	16
17	Sequestration and Oxidation of Cr(III) by Fungal Mn Oxides with Mn(II) Oxidizing Activity. <i>Catalysts</i> , 2020, 10, 44.	3.5	14
18	Oxidative Ce ³⁺ sequestration by fungal manganese oxides with an associated Mn(II) oxidase activity. <i>Applied Geochemistry</i> , 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	Seasonal Changes in Cyanotoxin Microcystin and Toxic Cyanobacteria in Lake Hachiro. <i>Journal of Japan Society on Water Environment</i> , 2015, 38, 23-30.	0.4	8
23	Quantitative micro-X-ray fluorescence scanning spectroscopy of wet sediment based on the X-ray absorption and emission theories: Its application to freshwater lake sedimentary sequences. <i>Sedimentology</i> , 2019, 66, 2490-2510.	3.1	8
24	Temporal variations in phytoplankton biomass over the past 150 years in the western Seto Inland Sea, Japan. <i>Journal of Oceanography</i> , 2017, 73, 309-320.	1.7	6
25	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
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
28	Sorption of Pu(IV) on biogenic Mn oxide and complexation of Pu(IV) with organic ligands secreted by fungal cells. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 1109-1114.	1.5	0