

Jeffrey E Post

List of Publications by Year in descending order

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papers

1,948
citations

430874

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477307

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29
all docs

29
docs citations

29
times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	XPS determination of Mn oxidation states in Mn (hydr)oxides. Applied Surface Science, 2016, 366, 475-485.	6.1	654
2	Eight new high-temperature superconductors with the 1:2:4 structure. Physical Review B, 1989, 39, 7347-7350.	3.2	263
3	Characterization of manganese oxide mineralogy in rock varnish and dendrites using X-ray absorption spectroscopy. American Mineralogist, 2001, 86, 701-713.	1.9	245
4	Water in the interlayer region of birnessite: Importance in cation exchange and structural stability. American Mineralogist, 2006, 91, 609-618.	1.9	88
5	Time-resolved structural analysis of K- and Ba-exchange reactions with synthetic Na-birnessite using synchrotron X-ray diffraction. American Mineralogist, 2007, 92, 380-387.	1.9	80
6	Raman spectroscopy study of manganese oxides: Tunnel structures. American Mineralogist, 2020, 105, 1175-1190.	1.9	65
7	Rietveld refinement of a triclinic structure for synthetic Na-birnessite using synchrotron powder diffraction data. Powder Diffraction, 2002, 17, 218-221.	0.2	64
8	Synthesis and properties of the 2:4:7 superconductors $R_2Ba_4Cu_7O_{15-x}$ (R=Y, Eu, Gd, Dy, Ho, Er). Physical Review B, 1989, 40, 11406-11409.	3.2	60
9	Cs-exchange in birnessite: Reaction mechanisms inferred from time-resolved X-ray diffraction and transmission electron microscopy. American Mineralogist, 2009, 94, 816-826.	1.9	49
10	Raman spectroscopy study of manganese oxides: Layer structures. American Mineralogist, 2021, 106, 351-366.	1.9	45
11	Fourier-transform infrared spectroscopy (FTIR) analysis of triclinic and hexagonal birnessites. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 178, 32-46.	3.9	40
12	Evidence for an l_2/a to l_{mab} phase transition in the silica polymorph moganite at ~ 570 K. American Mineralogist, 2001, 86, 1358-1366.	1.9	34
13	The relationship between Mn oxidation state and structure in triclinic and hexagonal birnessites. Chemical Geology, 2018, 479, 216-227.	3.3	34
14	Anomalous behavior at the l_2/a to l_{mab} phase transition in SiO_2 -moganite: An analysis using hard-mode Raman spectroscopy. American Mineralogist, 2007, 92, 631-639.	1.9	29
15	Transformations from triclinic to hexagonal birnessite at circumneutral pH induced through pH control by common biological buffers. Chemical Geology, 2015, 416, 1-10.	3.3	26
16	Kinetic analysis of cation exchange in birnessite using time-resolved synchrotron X-ray diffraction. Geochimica Et Cosmochimica Acta, 2011, 75, 3973-3981.	3.9	25
17	Rietveld refinement of the ranciite structure using synchrotron powder diffraction data. Powder Diffraction, 2008, 23, 10-14.	0.2	20
18	A time-resolved X-ray diffraction study of Cs exchange into hexagonal H-birnessite. American Mineralogist, 2013, 98, 671-679.	1.9	19

#	ARTICLE	IF	CITATIONS
19	Effects of pH and Ca exchange on the structure and redox state of synthetic Na-birnessite. <i>American Mineralogist</i> , 2021, 106, 15-27.	1.9	18
20	Mineralogical and geochemical constraints on chromium oxidation induced by birnessite. <i>Applied Geochemistry</i> , 2019, 108, 104365.	3.0	16
21	A multi-method characterization of natural terrestrial birnessites. <i>American Mineralogist</i> , 2020, 105, 833-847.	1.9	13
22	Experimental simulation of oxygen isotopic exchange in olivine and implication for the formation of metamorphosed carbonaceous chondrites. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2059-2070.	1.6	12
23	Coupled morphological and structural evolution of $\hat{\Gamma}$ -MnO ₂ to $\hat{\Gamma}$ -MnO ₂ through multistage oriented assembly processes: the role of Mn(<i>scp</i>). <i>Environmental Science: Nano</i> , 2020, 7, 238-249.	4.3	10
24	Crystallographic and chemical signatures in coral skeletal aragonite. <i>Coral Reefs</i> , 2022, 41, 19-34.	2.2	10
25	Effects of Co doping on the structure and physicochemical properties of hausmannite (Mn ₃ O ₄) and its transformation during aging. <i>Chemical Geology</i> , 2021, 582, 120448.	3.3	9
26	Changes in the structure of birnessite during siderophore-promoted dissolution: A time-resolved synchrotron X-ray diffraction study. <i>Chemical Geology</i> , 2018, 476, 46-58.	3.3	8
27	Explanation of the Colour Change in Alexandrites. <i>Scientific Reports</i> , 2020, 10, 6130.	3.3	6
28	The Hope Diamond: Rare Gem, Historic Jewel. <i>Rocks and Minerals</i> , 2014, 89, 16-26.	0.1	5
29	The Roebling Apatite, Pulsifer Quarry, Androscoggin County, Maine. <i>Rocks and Minerals</i> , 2022, 97, 8-11.	0.1	1