

Paul Mcmillan

List of Publications by Year in descending order

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17
papers

1,344
citations

687363

13
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	A Raman spectroscopic study of glasses along the joins silica-calcium aluminate, silica-sodium aluminate, and silica-potassium aluminate. <i>Geochimica Et Cosmochimica Acta</i> , 1982, 46, 2021-2037.	3.9	327
2	The structures and vibrational spectra of crystals and glasses in the silica-alumina system. <i>Journal of Non-Crystalline Solids</i> , 1982, 53, 279-298.	3.1	228
3	A Raman study of pressure-densified vitreous silica. <i>Journal of Chemical Physics</i> , 1984, 81, 4234-4236.	3.0	186
4	Raman spectroscopic studies of carbonates part I: High-pressure and high-temperature behaviour of calcite, magnesite, dolomite and aragonite. <i>Physics and Chemistry of Minerals</i> , 1993, 20, 1.	0.8	160
5	A thermochemical study of glasses and crystals along the joins silica-calcium aluminate and silica-sodium aluminate. <i>Geochimica Et Cosmochimica Acta</i> , 1982, 46, 2039-2047.	3.9	157
6	Thermodynamic properties and isotopic fractionation of calcite from vibrational spectroscopy of ¹⁸ O-substituted calcite. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 3471-3485.	3.9	71
7	A raman spectroscopic study of Al-Si ordering in synthetic magnesium cordierite. <i>Physics and Chemistry of Minerals</i> , 1984, 10, 256-260.	0.8	38
8	An infrared study of MgCO ₃ at high pressure. <i>Physica B: Condensed Matter</i> , 1999, 262, 67-73.	2.7	38
9	Infrared and raman studies of chemically vapor deposited amorphous silica. <i>Journal of Non-Crystalline Solids</i> , 1985, 76, 369-379.	3.1	25
10	Pressure as a Limiting Factor for Life. <i>Life</i> , 2016, 6, 34.	2.4	25
11	Chapter 2. VIBRATIONAL SPECTROSCOPY in the MINERAL SCIENCES. , 1985, , 9-64.		22
12	Transition enthalpies and entropies of high pressure zinc metasilicates and zinc metagermanates. <i>Physics and Chemistry of Minerals</i> , 1989, 16, 799-808.	0.8	17
13	Laboratory investigation of high pressure survival in <i>Shewanella oneidensis</i> MR-1 into the gigapascal pressure range. <i>Frontiers in Microbiology</i> , 2014, 5, 612.	3.5	17
14	Water solubility mechanisms in KAlSi ₃ O ₈ melts at high pressure. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 3575-3584.	3.9	15
15	Sr ₂ Fe ₂ Si ₂ O ₁₂ perovskites: high-pressure synthesis, structure, and dielectric properties. <i>Integrated Ferroelectrics</i> , 1997, 15, 191-198.	0.7	14
16	Vibrational Studies of Amorphous SiO ₂ . , 1988, , 63-70.		4
17	Solid-State and Materials-Chemistry at High Pressure. <i>Scottish Graduate Series</i> , 2012, , 245-263.	0.1	0