

Alison R Pawley

List of Publications by Year in descending order

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26
papers

1,154
citations

567281

15
h-index

552781

26
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26
docs citations

26
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of High-Temperature Minerals From an Evaporite-Rich Dust in Gas Turbine Engine Ingestion Tests. <i>Journal of Turbomachinery</i> , 2021, 143, .	1.7	2
2	Generalized Predictions of Particle-Vane Retention Probability in Gas Turbine Engines. <i>Journal of Turbomachinery</i> , 2021, 143, .	1.7	2
3	Halogens in Eclogite Facies Minerals from the Western Gneiss Region, Norway. <i>Minerals (Basel)</i> , 2021, 11, 14. DOI: 10.3390/min1101014	2.0	5
4	Particle-Vane Interaction Probability in Gas Turbine Engines. <i>Journal of Turbomachinery</i> , 2019, 141, .	1.7	17
5	Fluorine partitioning between humite-group minerals and aqueous fluids: implications for volatile storage in the upper mantle. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	12
6	The effect of solid solution on the stability of talc and 10-Å... phase. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	5
7	Sodium amphibole in the post-glaucophane high-pressure domain: The role of eckermannite. <i>American Mineralogist</i> , 2018, 103, 989-992.	1.9	2
8	Halogen behaviour in subduction zones: Eclogite facies rocks from the Western and Central Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 243, 1-23.	3.9	15
9	Effect of water on the fluorine and chlorine partitioning behavior between olivine and silicate melt. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 15.	3.1	15
10	Experimental partitioning of F and Cl between olivine, orthopyroxene and silicate melt at Earth's mantle conditions. <i>Chemical Geology</i> , 2015, 416, 65-78.	3.3	62
11	Further complexities of the 10 A phase revealed by infrared spectroscopy and X-ray diffraction. <i>American Mineralogist</i> , 2014, 99, 712-719.	1.9	3
12	Experimental study of the dehydration of 10-Å... phase, with implications for its H ₂ O content and stability in subducted lithosphere. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 1279-1289.	3.1	20
13	Hydroxyl stretching in phyllosilicates at high pressures and temperatures: an infrared spectroscopic study. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 753-765.	0.8	13
14	Volume behavior of the 10 A phase at high pressures and temperatures, with implications for H ₂ O content. <i>American Mineralogist</i> , 2010, 95, 1671-1678.	1.9	9
15	An infrared spectroscopic study of the OH stretching frequencies of talc and 10-A phase to 10 GPa. <i>American Mineralogist</i> , 2007, 92, 525-531.	1.9	33
16	Double carbonate breakdown reactions at high pressures: an experimental study in the system CaO-MgO-FeO-MnO-CO ₂ . <i>Contributions To Mineralogy and Petrology</i> , 2006, 152, 365-373.	3.1	38
17	Chlorite stability in mantle peridotite: the reaction clinocllore+enstatite=forsterite+pyrope+H ₂ O. <i>Contributions To Mineralogy and Petrology</i> , 2003, 144, 449-456.	3.1	75
18	The stability of antigorite in the systems MgO-SiO ₂ -H ₂ O (MSH) and MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O (MASH): The effects of Al ³⁺ substitution on high-pressure stability. <i>American Mineralogist</i> , 2003, 88, 99-108.	1.9	169

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19	The high-pressure stability of Mg-sursassite in a model hydrous peridotite: a possible mechanism for the deep subduction of significant volumes of H ₂ O. Contributions To Mineralogy and Petrology, 2002, 142, 714-723.	3.1	35
20	Stability of clinohumite in the system MgO-SiO ₂ -H ₂ O. Contributions To Mineralogy and Petrology, 2000, 138, 284-291.	3.1	17
21	In Situ Observation of the Formation of $\text{10}\text{\AA}$ Phase from Talc + H ₂ O at Mantle Pressures and Temperatures. Science, 1999, 286, 940-942.	12.6	52
22	The high-pressure stability of talc and $\text{10}\text{\AA}$ phase; potential storage sites for H ₂ O in subduction zones. American Mineralogist, 1995, 80, 998-1003.	1.9	113
23	The pressure and temperature stability limits of lawsonite: implications for H ₂ O recycling in subduction zones. Contributions To Mineralogy and Petrology, 1994, 118, 99-108.	3.1	132
24	Water Sources for Subduction Zone Volcanism: New Experimental Constraints. Science, 1993, 260, 664-667.	12.6	150
25	The effect of oxygen fugacity on the solubility of carbon-oxygen fluids in basaltic melt. Earth and Planetary Science Letters, 1992, 110, 213-225.	4.4	128
26	Experimental study of the compositions and stabilities of synthetic $\text{nyb}\text{\AA}$ ite and $\text{nyb}\text{\AA}$ ite-glaucophane amphiboles. European Journal of Mineralogy, 1992, 4, 171-192.	1.3	30