

David M Jenkins

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The upper-thermal stability of an iron-rich smectite: Implications for smectite formation on Mars. <i>Icarus</i> , 2022, 374, 114816.	2.5	2
2	Experimental study of metamorphic reactions and dehydration processes at the blueschist-eclogite transition during warm subduction. <i>Journal of Metamorphic Geology</i> , 2021, 39, 39-56.	3.4	4
3	Experiments on phosphate-silicate liquid immiscibility with potential links to iron oxide apatite and nelsonite deposits. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	10
4	Stability of sodalite relative to nepheline in NaCl-H ₂ O brines at 750 Â°C: Implications for hydrothermal formation of sodalite. <i>Canadian Mineralogist</i> , 2020, 58, 3-18.	1.0	6
5	The incorporation of chlorine into calcium amphibole. <i>American Mineralogist</i> , 2019, 104, 514-524.	1.9	11
6	Low-pressure-temperature stability of pyrope-quartz relative to orthopyroxene-kyanite: a new model for aluminous orthopyroxene with vacancies. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	1
7	Dehydration of Glaucophane in the System Na ₂ O-MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O and the Effects of NaCl-, CO ₂ - and Silicate-bearing Aqueous Fluids. <i>Journal of Petrology</i> , 2019, 60, 2369-2386.	2.8	4
8	A comparison between the stability fields of a Cl-rich scapolite and the end-member marialite. <i>American Mineralogist</i> , 2019, 104, 1788-1799.	1.9	8
9	Autocorrelation analysis of the infrared spectra of synthetic and biogenic carbonates along the calcite-dolomite join. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 563-574.	0.8	3
10	Chlorine incorporation in amphiboles synthesized along the magnesio-hastingsite-hastingsite compositional join. <i>European Journal of Mineralogy</i> , 2017, 29, 167-180.	1.3	9
11	Stability field of the Cl-rich scapolite marialite. <i>American Mineralogist</i> , 2017, 102, 2484-2493.	1.9	20
12	Gasket temperature: an alternate technique for estimating sample temperature in a multi-anvil apparatus. <i>High Pressure Research</i> , 2016, 36, 557-563.	1.2	0
13	Experimental study along the magnesio-hornblende-glaucophane join. <i>American Mineralogist</i> , 2015, 100, 495-509.	1.9	4
14	The experimental incorporation of Fe into talc: a study using X-ray diffraction, Fourier transform infrared spectroscopy, and Mössbauer spectroscopy. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	3.1	13
15	Experimental and infrared characterization of the miscibility gap along the tremolite-glaucophane join. <i>American Mineralogist</i> , 2014, 99, 730-741.	1.9	7
16	Synthesis and characterization of amphiboles along the tremolite-glaucophane join. <i>American Mineralogist</i> , 2013, 98, 588-600.	1.9	12
17	The lower-pressure stability of glaucophane in the presence of paragonite and quartz in the system Na ₂ O-MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O. <i>American Mineralogist</i> , 2012, 97, 713-726.	1.9	10
18	Compositional limits and analogs of monoclinic triple-chain silicates. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 229-244.	3.1	2

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19	Formation conditions for triple-chain silicates. <i>American Mineralogist</i> , 2011, 96, 814-819.	1.9	3
20	The transition from blueschist to greenschist facies modeled by the reaction glaucophane + 2 diopside + 2 quartz = tremolite + 2 albite. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 725-738.	3.1	10
21	Compressibility of synthetic glaucophane. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 219-226.	0.8	9
22	Thermochemistry of a synthetic Na-Mg-rich triple-chain silicate: Determination of thermodynamic variables. <i>American Mineralogist</i> , 2009, 94, 1242-1254.	1.9	7
23	Experimental Investigation of the Upper Thermal Stability of Mg-rich Actinolite; Implications for Kiruna-Type Iron Deposits. <i>Journal of Petrology</i> , 2008, 49, 225-238.	2.8	35
24	Mid-IR bands of synthetic calcic amphiboles of tremolite-pargasite series and of natural calcic amphiboles. <i>American Mineralogist</i> , 2008, 93, 1112-1118.	1.9	25
25	Biopyribole evolution during tremolite synthesis from dolomite and quartz in CO ₂ -H ₂ O fluid. <i>American Mineralogist</i> , 2007, 92, 898-908.	1.9	14
26	An experimental investigation of the reaction: glaucophane + 2 quartz = 2 albite + talc. <i>European Journal of Mineralogy</i> , 2007, 19, 147-158.	1.3	20
27	Molar volume and thermal expansion of glaucophane. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 356-362.	0.8	19
28	The role of water in the synthesis of glaucophane. <i>American Mineralogist</i> , 2006, 91, 1055-1068.	1.9	27
29	Cation ordering in synthetic low-calcium actinolite. <i>American Mineralogist</i> , 2005, 90, 900-911.	1.9	21
30	X-ray Rietveld refinement and FTIR spectra of synthetic (Si,Ge)-richterites. <i>American Mineralogist</i> , 2005, 90, 1062-1071.	1.9	10
31	Pyribole evolution during tremolite synthesis from oxides. <i>American Mineralogist</i> , 2004, 89, 74-84.	1.9	15
32	Infrared and TEM characterization of amphiboles synthesized near the tremolite-pargasite join in the ternary system tremolite-pargasite-cummingtonite. <i>American Mineralogist</i> , 2003, 88, 1104-1114.	1.9	22
33	Experiments on the stability of cancrinite in the system Na ₂ O-CaO-Al ₂ O ₃ -SiO ₂ -CO ₂ -H ₂ O. <i>American Mineralogist</i> , 1999, 84, 1850-1860.	1.9	34
34	²³ Na, ²⁹ Si, and ⁷¹ Ga MAS-NMR spectroscopy of synthetic gallian-fluor-amphiboles. <i>American Mineralogist</i> , 1999, 84, 1033-1040.	1.9	8
35	Hydrothermal synthesis of amphiboles along the tremolite-pargasite join and in the ternary system tremolite-pargasite-cummingtonite. <i>American Mineralogist</i> , 1999, 84, 1304-1318.	1.9	15
36	Dehydration and partial melting of tremolitic amphibole coexisting with zoisite, quartz, anorthite, diopside, and water in the system H ₂ O-CaO-MgO-Al ₂ O ₃ -SiO ₂ . <i>Contributions To Mineralogy and Petrology</i> , 1998, 130, 379-389.	3.1	17

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37	X-ray continuum discrimination technique for the energy-dispersive analysis of fine particles. Analytical Chemistry, 1993, 65, 3576-3580.	6.5	18