

# David M Jenkins

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Experiments on the stability of cancrinite in the system $\text{Na}_2\text{O}-\text{CaO}-\text{Al}_2\text{O}_3-\text{SiO}_2-\text{CO}_2-\text{H}_2\text{O}$ . <i>American Mineralogist</i> , 1999, 84, 1850-1860.	1.9	34
3	The role of water in the synthesis of glaucophane. <i>American Mineralogist</i> , 2006, 91, 1055-1068.	1.9	27
4	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
5	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
6	Cation ordering in synthetic low-calcium actinolite. <i>American Mineralogist</i> , 2005, 90, 900-911.	1.9	21
7	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
8	Stability field of the Cl-rich scapolite marialite. <i>American Mineralogist</i> , 2017, 102, 2484-2493.	1.9	20
9	Molar volume and thermal expansion of glaucophane. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 356-362.	0.8	19
10	X-ray continuum discrimination technique for the energy-dispersive analysis of fine particles. <i>Analytical Chemistry</i> , 1993, 65, 3576-3580.	6.5	18
11	Dehydration and partial melting of tremolitic amphibole coexisting with zoisite, quartz, anorthite, diopside, and water in the system $\text{H}_2\text{O}-\text{CaO}-\text{MgO}-\text{Al}_2\text{O}_3-\text{SiO}_2$ . <i>Contributions To Mineralogy and Petrology</i> , 1998, 130, 379-389.	3.1	17
12	Pyribole evolution during tremolite synthesis from oxides. <i>American Mineralogist</i> , 2004, 89, 74-84.	1.9	15
13	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
14	Biopyribole evolution during tremolite synthesis from dolomite and quartz in $\text{CO}_2\text{-H}_2\text{O}$ fluid. <i>American Mineralogist</i> , 2007, 92, 898-908.	1.9	14
15	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
16	Synthesis and characterization of amphiboles along the tremolite-glaucophane join. <i>American Mineralogist</i> , 2013, 98, 588-600.	1.9	12
17	The incorporation of chlorine into calcium amphibole. <i>American Mineralogist</i> , 2019, 104, 514-524.	1.9	11
18	X-ray Rietveld refinement and FTIR spectra of synthetic (Si,Ge)-richterites. <i>American Mineralogist</i> , 2005, 90, 1062-1071.	1.9	10

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19	The transition from blueschist to greenschist facies modeled by the reaction glaucophane + 2 diopside + 2 quartz = tremolite + albite. Contributions To Mineralogy and Petrology, 2011, 162, 725-738.	3.1	10
20	The lower-pressure stability of glaucophane in the presence of paragonite and quartz in the system Na <sub>2</sub> O-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O. American Mineralogist, 2012, 97, 713-726.	1.9	10
21	Experiments on phosphate-silicate liquid immiscibility with potential links to iron oxide apatite and nelsonite deposits. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	10
22	Compressibility of synthetic glaucophane. Physics and Chemistry of Minerals, 2010, 37, 219-226.	0.8	9
23	Chlorine incorporation in amphiboles synthesized along the magnesio-hastingsite-hastingsite compositional join. European Journal of Mineralogy, 2017, 29, 167-180.	1.3	9
24	<sup>23</sup> Na, <sup>29</sup> Si, and <sup>71</sup> Ga MAS-NMR spectroscopy of synthetic gallian-fluor-amphiboles. American Mineralogist, 1999, 84, 1033-1040.	1.9	8
25	A comparison between the stability fields of a Cl-rich scapolite and the end-member marialite. American Mineralogist, 2019, 104, 1788-1799.	1.9	8
26	Thermochemistry of a synthetic Na-Mg-rich triple-chain silicate: Determination of thermodynamic variables. American Mineralogist, 2009, 94, 1242-1254.	1.9	7
27	Experimental and infrared characterization of the miscibility gap along the tremolite-glaucophane join. American Mineralogist, 2014, 99, 730-741.	1.9	7
28	Stability of sodalite relative to nepheline in NaCl-H <sub>2</sub> O brines at 750 °C: Implications for hydrothermal formation of sodalite. Canadian Mineralogist, 2020, 58, 3-18.	1.0	6
29	Experimental study along the magnesio-hornblende-glaucophane join. American Mineralogist, 2015, 100, 495-509.	1.9	4
30	Dehydration of Glaucophane in the System Na <sub>2</sub> O-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O and the Effects of NaCl-, CO <sub>2</sub> - and Silicate-bearing Aqueous Fluids. Journal of Petrology, 2019, 60, 2369-2386.	2.8	4
31	Experimental study of metamorphic reactions and dehydration processes at the blueschist-eclogite transition during warm subduction. Journal of Metamorphic Geology, 2021, 39, 39-56.	3.4	4
32	Formation conditions for triple-chain silicates. American Mineralogist, 2011, 96, 814-819.	1.9	3
33	Autocorrelation analysis of the infrared spectra of synthetic and biogenic carbonates along the calcite-dolomite join. Physics and Chemistry of Minerals, 2018, 45, 563-574.	0.8	3
34	Compositional limits and analogs of monoclinic triple-chain silicates. Contributions To Mineralogy and Petrology, 2012, 164, 229-244.	3.1	2
35	The upper-thermal stability of an iron-rich smectite: Implications for smectite formation on Mars. Icarus, 2022, 374, 114816.	2.5	2
36	Low-pressure-temperature stability of pyrope-quartz relative to orthopyroxene-kyanite: a new model for aluminous orthopyroxene with vacancies. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	1

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37	Gasket temperature: an alternate technique for estimating sample temperature in a multi-anvil apparatus. High Pressure Research, 2016, 36, 557-563.	1.2	0