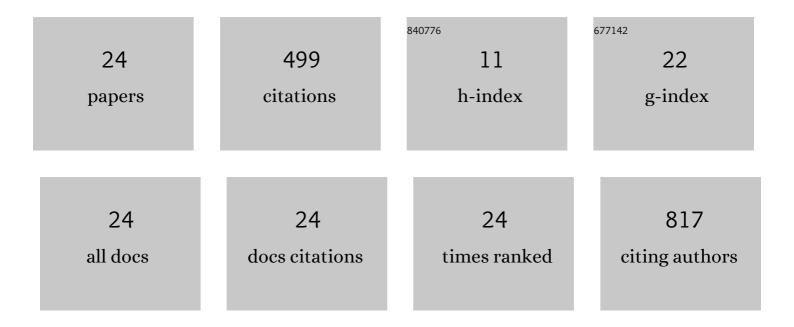
Benjamin J A Moulton

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A theoretical and experimental investigation of hetero- vs. homo-connectivity in barium silicates. American Mineralogist, 2022, 107, 716-728.	1.9	6
2	Chromium in lead metasilicate glass: Solubility, valence, and local environment via multiple spectroscopy. Ceramics International, 2022, 48, 173-178.	4.8	1
3	Discoveries about the structure of alkaline earth-bearing borosilicate glasses doped with TiO2 revealed by Raman spectroscopy. Journal of Non-Crystalline Solids, 2022, 578, 121349.	3.1	8
4	A critical evaluation of barium silicate glass network polymerization. Journal of Non-Crystalline Solids, 2022, 583, 121477.	3.1	12
5	Identifying and explaining vibrational modes of sanbornite (low-BaSi2O5) and Ba5Si8O21: A joint experimental and theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119130.	3.9	10
6	Glasses: Alkali and Alkaline-Earth Silicates. , 2021, , 462-482.		3
7	Speciation and polymerization in a barium silicate glass: Evidence from 29Si NMR and Raman spectroscopies. Chemical Geology, 2021, 586, 120611.	3.3	8
8	Effect of high pressure on the structure of barium disilicate glass-ceramics. Journal of Non-Crystalline Solids, 2020, 550, 120380.	3.1	8
9	Effects of Li addition on the luminescent properties of LiSrPO4:Eu3+ excited with X-ray and ultraviolet radiation. Journal of Alloys and Compounds, 2020, 836, 155388.	5.5	5
10	Structure—longitudinal sound velocity relationships in glassy anorthite (CaAl2Si2O8) up to 20 GPa: An in situ Raman and Brillouin spectroscopy study. Geochimica Et Cosmochimica Acta, 2019, 261, 132-144.	3.9	9
11	Synthesis of PbO·SiO2 glass by CO2 laser melting method. Journal of Non-Crystalline Solids, 2019, 522, 119572.	3.1	13
12	The origin of the unusual DSC peaks of supercooled barium disilicate liquid. CrystEngComm, 2019, 21, 2768-2778.	2.6	27
13	Effect of the amounts of Li+ additive on the luminescence properties of LiBaPO4:Eu phosphor. Optical Materials, 2019, 89, 329-333.	3.6	11
14	Thermal expansion, compressibility and bulk modulus of ilmenite-type CoTiO3: X-ray diffraction at high pressures and temperatures. Solid State Sciences, 2019, 88, 1-5.	3.2	5
15	X-ray excited optical luminescence changes induced by excess/deficiency lithium ions in rare earth doped LiAl5O8. Journal of Luminescence, 2018, 199, 298-301.	3.1	13
16	The effect of alkaline-earth substitution on the Li K-edge of lithium silicate glasses. Journal of Non-Crystalline Solids, 2018, 500, 417-421.	3.1	1
17	A Raman investigation of the structural evolution of supercooled liquid barium disilicate during crystallization. International Journal of Applied Glass Science, 2018, 9, 510-517.	2.0	22
18	Raman scattering and molecular dynamics investigation of lead metasilicate glass and supercooled liquid structures. Journal of Non-Crystalline Solids, 2018, 499, 300-308.	3.1	18

#	Article	IF	CITATIONS
19	A Li <i>K</i> -edge XANES study of salts and minerals. Journal of Synchrotron Radiation, 2018, 25, 543-551.	2.4	9
20	The structure of haplobasaltic glasses investigated using X-ray absorption near edge structure (XANES) spectroscopy at the Si, Al, Mg, and O K -edges and Ca, Si, and Al L 2,3 -edges. Chemical Geology, 2016, 420, 213-230.	3.3	18
21	In situ structural changes of amorphous diopside (CaMgSi2O6) up to 20 GPa: A Raman and O K-edge X-ray Raman spectroscopic study. Geochimica Et Cosmochimica Acta, 2016, 178, 41-61.	3.9	26
22	X-ray Absorption Near-Edge Structure (XANES) Spectroscopy. Reviews in Mineralogy and Geochemistry, 2014, 78, 75-138.	4.8	218
23	Archean subqueous high-silica rhyolite coulées: Examples from the Kidd-Munro Assemblage in the Abitibi Subprovince. Precambrian Research, 2011, 189, 389-403.	2.7	10
24	Magma evolution in the Pliocene–Pleistocene succession of Kos, South Aegean arc (Greece). Lithos, 2008, 106, 110-124.	1.4	38