

Fred A Davis

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Partitioning of Fe ₂ O ₃ in peridotite partial melting experiments over a range of oxygen fugacities elucidates ferric iron systematics in mid-ocean ridge basalts and ferric iron content of the upper mantle. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	14
2	A Mössbauer-based XANES calibration for hydrous basalt glasses reveals radiation-induced oxidation of Fe. <i>American Mineralogist</i> , 2018, 103, 489-501.	1.9	57
3	Peridotites and basalts reveal broad congruence between two independent records of mantle fO ₂ despite local redox heterogeneity. <i>Earth and Planetary Science Letters</i> , 2018, 494, 172-189.	4.4	50
4	Experimental investigation of basalt and peridotite oxybarometers: Implications for spinel thermodynamic models and Fe ³⁺ compatibility during generation of upper mantle melts. <i>American Mineralogist</i> , 2018, 103, 1056-1067.	1.9	30
5	Revisiting the electron microprobe method of spinel-olivine-orthopyroxene oxybarometry applied to spinel peridotites. <i>American Mineralogist</i> , 2017, 102, 421-435.	1.9	51
6	Forearc Peridotites from Tonga Record Heterogeneous Oxidation of the Mantle following Subduction Initiation. <i>Journal of Petrology</i> , 2017, 58, 1755-1780.	2.8	57
7	Experimentally determined mineral/melt partitioning of first-row transition elements (FRTE) during partial melting of peridotite at 3GPa. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 104, 232-260.	3.9	145