

# Fred A Davis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4895947/publications.pdf>

Version: 2024-02-01

7  
papers

457  
citations

1163117

8  
h-index

1588992

8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

502  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Peridotites and basalts reveal broad congruence between two independent records of mantle fO <sub>2</sub> despite local redox heterogeneity. <i>Earth and Planetary Science Letters</i> , 2018, 494, 172-189.	4.4	50
6	Experimental investigation of basalt and peridotite oxybarometers: Implications for spinel thermodynamic models and Fe <sup>3+</sup> compatibility during generation of upper mantle melts. <i>American Mineralogist</i> , 2018, 103, 1056-1067.	1.9	30
7	Partitioning of Fe <sub>2</sub> O <sub>3</sub> 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