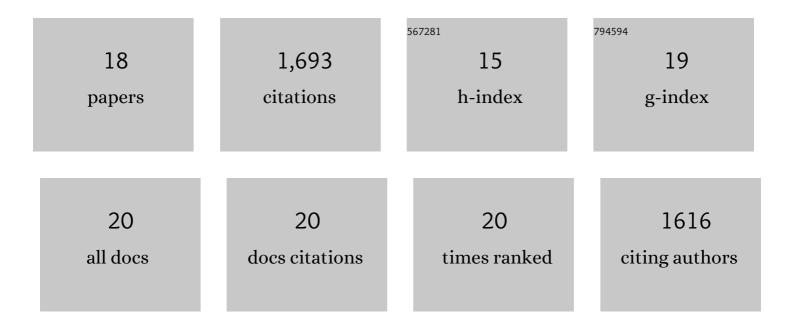
Anja Rosenthal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Experimental investigation of the composition of incipient melts in upper mantle peridotites in the presence of CO2 and H2O. Lithos, 2021, 396-397, 106224.	1.4	24
2	An internally consistent pressure calibration of geobarometers applicable to the Earth's upper mantle using in situ XRD. Geochimica Et Cosmochimica Acta, 2018, 222, 421-435.	3.9	7
3	The behaviour of ferric iron during partial melting of peridotite. Geochimica Et Cosmochimica Acta, 2018, 239, 235-254.	3.9	29
4	Phase relations and melting of nominally â€~dry' residual eclogites with variable CaO/Na2O from 3 to 5†CPa and 1250 to 1500†°C; implications for refertilisation of upwelling heterogeneous mantle. Lithos, 2018, 314-315, 506-519.	1.4	8
5	Quantitative electron backscatter diffraction (EBSD) data analyses using the dictionary indexing (DI) approach: Overcoming indexing difficulties on geological materials. American Mineralogist, 2017, 102, 1843-1855.	1.9	30
6	Redox preconditioning deep cratonic lithosphere for kimberlite genesis – evidence from the central Slave Craton. Scientific Reports, 2017, 7, 30.	3.3	59
7	High-pressure, high-temperature deformation of dunite, eclogite, clinopyroxenite and garnetite using in situ X-ray diffraction. Earth and Planetary Science Letters, 2017, 473, 291-302.	4.4	10
8	Experimental determination of C, F, and H partitioning between mantle minerals and carbonated basalt, CO 2 /Ba and CO 2 /Nb systematics of partial melting, and the CO 2 contents of basaltic source regions. Earth and Planetary Science Letters, 2015, 412, 77-87.	4.4	152
9	Experimental Study of the Influence of Water on Melting and Phase Assemblages in the Upper Mantle. Journal of Petrology, 2014, 55, 2067-2096.	2.8	135
10	Continuous eclogite melting and variable refertilisation in upwelling heterogeneous mantle. Scientific Reports, 2014, 4, 6099.	3.3	61
11	The discovery of kimberlites in Antarctica extends the vast Gondwanan Cretaceous province. Nature Communications, 2013, 4, 2921.	12.8	36
12	An Experimental Study of Carbonated Eclogite at 3{middle dot}5-5{middle dot}5 GPaImplications for Silicate and Carbonate Metasomatism in the Cratonic Mantle. Journal of Petrology, 2012, 53, 727-759.	2.8	131
13	Comment on "The beginnings of hydrous mantle wedge meltingâ€; CB Till, TL Grove, AC Withers, Contributions to Mineralogy and Petrology, DOI 10.1007/s00410-011-0692-6. Contributions To Mineralogy and Petrology, 2012, 164, 1077-1081.	3.1	13
14	An Experimental Study of Water in Nominally Anhydrous Minerals in the Upper Mantle near the Water-saturated Solidus. Journal of Petrology, 2012, 53, 2067-2093.	2.8	84
15	Water and its influence on the lithosphere–asthenosphere boundary. Nature, 2010, 467, 448-451.	27.8	293
16	The composition of near-solidus melts of peridotite in the presence of CO2 and H2O between 40 and 60Âkbar. Lithos, 2009, 112, 274-283.	1.4	279
17	Petrogenesis of strongly alkaline primitive volcanic rocks at the propagating tip of the western branch of the East African Rift. Earth and Planetary Science Letters, 2009, 284, 236-248.	4.4	168
18	Phase Relations and Melting of Anhydrous K-bearing Eclogite from 1200 to 1600ÂC and 3 to 5 GPa. Journal of Petrology, 2007, 49, 771-795.	2.8	159