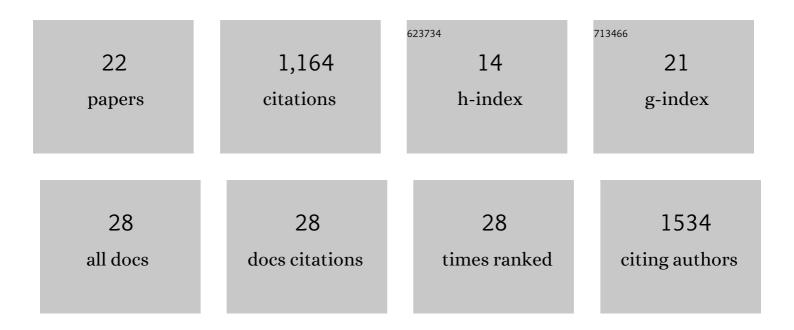
Richard A Brooker

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9542162/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Slab melting as a barrier to deep carbon subduction. Nature, 2016, 529, 76-79.	27.8	343
2	The effect of pressure on sulphur speciation in mid- to deep-crustal arc magmas and implications for the formation of porphyry copper deposits. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	134
3	Magma fragmentation in highly explosive basaltic eruptions induced by rapid crystallization. Nature Geoscience, 2019, 12, 1023-1028.	12.9	91
4	The volatile content of hypabyssal kimberlite magmas: some constraints from experiments on natural rock compositions. Bulletin of Volcanology, 2011, 73, 959-981.	3.0	74
5	Reduction in piston-cylinder experiments; the detection of carbon infiltration into platinum capsules. American Mineralogist, 1998, 83, 985-994.	1.9	72
6	In situ observation of nanolite growth in volcanic melt: A driving force for explosive eruptions. Science Advances, 2020, 6, .	10.3	67
7	Molybdenum systematics of subducted crust record reactive fluid flow from underlying slab serpentine dehydration. Nature Communications, 2019, 10, 4773.	12.8	63
8	Quantification of dissolved CO2 in silicate glasses using micro-Raman spectroscopy. American Mineralogist, 2013, 98, 1788-1802.	1.9	48
9	Low fossilization potential of keratin protein revealed by experimental taphonomy. Palaeontology, 2017, 60, 547-556.	2.2	47
10	Oxidative dissolution of hydrothermal mixed-sulphide ore: An assessment of current knowledge in relation to seafloor massive sulphide mining. Ore Geology Reviews, 2017, 86, 309-337.	2.7	46
11	Cretaceous dinosaur bone contains recent organic material and provides an environment conducive to microbial communities. ELife, 2019, 8, .	6.0	38
12	Control and monitoring of oxygen fugacity in piston cylinder experiments. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	37
13	Dendritic crystallization in hydrous basaltic magmas controls magma mobility within the Earth's crust. Nature Communications, 2022, 13, .	12.8	17
14	Experimental leaching of massive sulphide from TAG active hydrothermal mound and implications for seafloor mining. Marine Pollution Bulletin, 2018, 126, 501-515.	5.0	15
15	EXPERIMENTAL TAPHONOMY OF KERATIN: A STRUCTURAL ANALYSIS OF EARLY TAPHONOMIC CHANGES. Palaios, 2017, 32, 647-657.	1.3	14
16	Rapid pre-eruptive mush reorganisation and atmospheric volatile emissions from the 12.9 ka Laacher See eruption, determined using apatite. Earth and Planetary Science Letters, 2021, 576, 117198.	4.4	14
17	The Influence of Glacial Cover on Riverine Silicon and Iron Exports in Chilean Patagonia. Global Biogeochemical Cycles, 2020, 34, e2020GB006611.	4.9	12
18	Geological, Mineralogical and Textural Impacts on the Distribution of Environmentally Toxic Trace Elements in Seafloor Massive Sulfide Occurrences. Minerals (Basel, Switzerland), 2019, 9, 162.	2.0	11

#	Article	IF	CITATIONS
19	The accumulation of molten volcanic ash in jet engines; simulating the role of magma composition, ash particle size and thermal barrier coatings. Journal of Volcanology and Geothermal Research, 2020, 389, 106707.	2.1	9
20	CO3+1 network formation in ultra-high pressure carbonate liquids. Scientific Reports, 2019, 9, 15416.	3.3	8
21	The stability and composition of sulfate melts in arc magmas. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	4
22	Comment on: â€~Petrography of the Snap Lake Kimberlite Dyke (Northwest Territories, Canada) and its Interaction with Country Rock Granitoids' by Fulop <i>et al.</i> (2018), Journal of Petrology, doi: 10.1093/petrology/egy025. Journal of Petrology, 0, , .	2.8	0