

Kenneth S Befus

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

306
citations

933447

10
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of obsidian pyroclasts by sintering of ash particles in the volcanic conduit. Earth and Planetary Science Letters, 2017, 459, 252-263.	4.4	51
2	Experimental constraints on rhyolite-MELTS and the Late Bishop Tuff magma body. Contributions To Mineralogy and Petrology, 2014, 168, 1.	3.1	42
3	Magma storage and evolution of the most recent effusive and explosive eruptions from Yellowstone Caldera. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	35
4	Compositional gradients surrounding spherulites in obsidian and their relationship to spherulite growth and lava cooling. Bulletin of Volcanology, 2012, 74, 1865-1879.	3.0	29
5	Ascent and emplacement dynamics of obsidian lavas inferred from microlite textures. Bulletin of Volcanology, 2015, 77, 1.	3.0	27
6	Pre-eruptive storage conditions and eruption dynamics of a small rhyolite dome: Douglas Knob, Yellowstone volcanic field, USA. Bulletin of Volcanology, 2014, 76, 1.	3.0	22
7	Supersaturation Nucleation and Growth of Plagioclase: a numerical model of decompression-induced crystallization. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	20
8	Spherulites as in-situ recorders of thermal history in lava flows. Geology, 2015, 43, 647-650.	4.4	18
9	Analyzing water contents in unexposed glass inclusions in quartz crystals. American Mineralogist, 2012, 97, 1898-1904.	1.9	15
10	Nucleation rates of spherulites in natural rhyolitic lava. American Mineralogist, 2016, 101, 2367-2376.	1.9	11
11	Rhyolite lava emplacement dynamics inferred from surface morphology. Journal of Volcanology and Geothermal Research, 2020, 395, 106850.	2.1	11
12	Supereruption quartz crystals and the hollow reentrants. Geology, 2019, 47, 710-714.	4.4	7
13	Crystallization kinetics of rhyolitic melts using oxygen isotope ratios. Geophysical Research Letters, 2016, 43, 592-599.	4.0	6
14	Cooling rates of mid-ocean ridge lava deduced from clinopyroxene spherulites. Journal of Volcanology and Geothermal Research, 2014, 282, 1-8.	2.1	4
15	Hydrogen Isotope Composition of a Large Silicic Magma Reservoir Preserved in Quartz-Hosted Glass Inclusions of the Bishop Tuff Plinian Eruption. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009358.	2.5	4
16	Implications of Multiple Disequilibrium Textures in Quartz-Hosted Embayments. Frontiers in Earth Science, 2021, 9, .	1.8	4