Kenneth S Befus

List of Publications by Year
in descending order

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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	Implications of Multiple Disequilibrium Textures in Quartz-Hosted Embayments. Frontiers in Earth Science, 2021, 9, .	1.8	4
2	Hydrogen Isotope Composition of a Large Silicic Magma Reservoir Preserved in Quartzâ€Hosted Glass Inclusions of the Bishop Tuff Plinian Eruption. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009358.	2.5	4
3	Rhyolite lava emplacement dynamics inferred from surface morphology. Journal of Volcanology and Geothermal Research, 2020, 395, 106850.	2.1	11
4	Supersaturation Nucleation and Growth of Plagioclase: a numerical model of decompression-induced crystallization. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	20
5	Supereruption quartz crystals and the hollow reentrants. Geology, 2019, 47, 710-714.	4.4	7
6	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
7	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
8	Nucleation rates of spherulites in natural rhyolitic lava. American Mineralogist, 2016, 101, 2367-2376.	1.9	11
9	Crystallization kinetics of rhyolitic melts using oxygen isotope ratios. Geophysical Research Letters, 2016, 43, 592-599.	4.0	6
10	Spherulites as in-situ recorders of thermal history in lava flows. Geology, 2015, 43, 647-650.	4.4	18
11	Ascent and emplacement dynamics of obsidian lavas inferred from microlite textures. Bulletin of Volcanology, 2015, 77, 1.	3.0	27
12	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
13	Cooling rates of mid-ocean ridge lava deduced from clinopyroxene spherulites. Journal of Volcanology and Geothermal Research, 2014, 282, 1-8.	2.1	4
14	Experimental constraints on rhyolite-MELTS and the Late Bishop Tuff magma body. Contributions To Mineralogy and Petrology, 2014, 168, 1.	3.1	42
15	Analyzing water contents in unexposed glass inclusions in quartz crystals. American Mineralogist, 2012, 97, 1898-1904.	1.9	15
16	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