

Allan H Lerner

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

583
citations

1040056

9
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2018 rift eruption and summit collapse of K��lauea Volcano. <i>Science</i> , 2019, 363, 367-374.	12.6	353
2	Rapid and slow: Varying magma ascent rates as a mechanism for Vulcanian explosions. <i>Earth and Planetary Science Letters</i> , 2015, 420, 73-84.	4.4	55
3	Silicate melt inclusions in the new millennium: A review of recommended practices for preparation, analysis, and data presentation. <i>Chemical Geology</i> , 2021, 570, 120145.	3.3	40
4	Quantifying gas emissions associated with the 2018 rift eruption of K��lauea Volcano using ground-based DOAS measurements. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	3.0	29
5	The petrologic and degassing behavior of sulfur and other magmatic volatiles from the 2018 eruption of K��lauea, Hawai��: melt concentrations, magma storage depths, and magma recycling. <i>Bulletin of Volcanology</i> , 2021, 83, 1.	3.0	25
6	The Prevalence and Significance of Offset Magma Reservoirs at Arc Volcanoes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087856.	4.0	21
7	Gas and ash emissions associated with the 2010��present activity of Sinabung Volcano, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 382, 184-196.	2.1	20
8	Direct measurements of copper speciation in basaltic glasses: understanding the relative roles of sulfur and oxygen in copper complexation in melts. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 164-178.	3.9	15
9	Improving the reliability of Fe- and S-XANES measurements in silicate glasses: Correcting beam damage and identifying Fe-oxide nanolites in hydrous and anhydrous melt inclusions. <i>Chemical Geology</i> , 2021, 586, 120610.	3.3	14
10	Stratigraphy, distribution, and evidence for mafic triggering of the ca. 8.5��ka Driftwood Pumice eruption, Makushin Volcano, Alaska, U.S.A. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 362-377.	2.1	5
11	High-pressure and high-temperature neutron reflectometry cell for solid-fluid interface studies. <i>European Physical Journal Plus</i> , 2012, 127, 1.	2.6	3
12	X-ray scattering of calcite thin films deposited by atomic layer deposition: Studies in air and in calcite saturated water solution. <i>Thin Solid Films</i> , 2014, 565, 277-284.	1.8	3