

E J Liu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

579
citations

687363

13
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

830
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimising shape analysis to quantify volcanic ash morphology. <i>GeoResJ</i> , 2015, 8, 14-30.	1.4	111
2	Volcanological applications of unoccupied aircraft systems (UAS): Developments, strategies, and future challenges. <i>Volcanica</i> , 2020, 3, 67-114.	1.8	63
3	Ash mists and brown snow: Remobilization of volcanic ash from recent Icelandic eruptions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9463-9480.	3.3	61
4	A distinct metal fingerprint in arc volcanic emissions. <i>Nature Geoscience</i> , 2018, 11, 790-794.	12.9	59
5	Dynamics of Outgassing and Plume Transport Revealed by Proximal Unmanned Aerial System (UAS) Measurements at VolcÃ¡n Villarrica, Chile. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 730-750.	2.5	41
6	The timing and widespread effects of the largest Holocene volcanic eruption in Antarctica. <i>Scientific Reports</i> , 2018, 8, 17279.	3.3	39
7	Contrasting mechanisms of magma fragmentation during coeval magmatic and hydromagmatic activity: the Hverfjall Fires fissure eruption, Iceland. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	3.0	36
8	Combined ground and aerial measurements resolve vent-specific gas fluxes from a multi-vent volcano. <i>Nature Communications</i> , 2020, 11, 3039.	12.8	27
9	Volatile metal emissions from volcanic degassing and lava-seawater interactions at KÅ«lauea Volcano, Hawaiâ€™i. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	25
10	Aerial strategies advance volcanic gas measurements at inaccessible, strongly degassing volcanoes. <i>Science Advances</i> , 2020, 6, .	10.3	24
11	Expanding the tephrostratigraphical framework for the South Shetland Islands, Antarctica, by combining compositional and textural tephra characterisation. <i>Sedimentary Geology</i> , 2016, 340, 49-61.	2.1	19
12	Evidence of explosive hydromagmatic eruptions during the emplacement of the North Atlantic Igneous Province. <i>Volcanica</i> , 2020, 3, 227-250.	1.8	19
13	Petrologic monitoring at VolcÃ¡n de Fuego, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 405, 107044.	2.1	17
14	Rapid metal pollutant deposition from the volcanic plume of KÅ«lauea, Hawaiâ€™i. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	15
15	Volcanic activity and gas emissions along the South Sandwich Arc. <i>Bulletin of Volcanology</i> , 2021, 83, 1.	3.0	14
16	Insights into the dynamics of mafic magmatic-hydromagmatic eruptions from volatile degassing behaviour: The Hverfjall Fires, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 228-240.	2.1	4
17	Magma behaving brittly. <i>Nature Geoscience</i> , 2021, 14, 180-181.	12.9	3
18	Assessing the effectiveness of low-cost air quality monitors for identifying volcanic SO2 and PM downwind from Masaya volcano, Nicaragua. <i>Volcanica</i> , 2022, 5, 33-59.	1.8	1