

Jacob A Richardson

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

397
citations

687363

13
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Volcanic Climate Warming Through Radiative and Dynamical Feedbacks of SO ₂ Emissions. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
2	Field Mapping and Modeling of Terrestrial Lava Tube Magnetic Anomalies as an Analog for Lunar Lava Tube Exploration and Prospecting. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	3
3	Small Volcanic Vents of the Tharsis Volcanic Province, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006620.	3.6	21
4	Stratigraphic Evidence for Early Martian Explosive Volcanism in Arabia Terra. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094109.	4.0	17
5	Deep and rapid thermo-mechanical erosion by a small-volume lava flow. <i>Earth and Planetary Science Letters</i> , 2020, 537, 116163.	4.4	7
6	Resolution of Lava Tubes With Ground Penetrating Radar: The <scp>TubeX</scp> Project. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006138.	3.6	14
7	Mapping lava tubes with ground penetrating radar. , 2020, , .		1
8	Modeling of the GPR response to lava tubes on the Earth, Moon, and Mars. , 2020, , .		1
9	Highs and lows: Using GPR to map cinder cones, lava flows, and lava tubes on Earth to support studies of the Moon and Mars. , 2020, , .		1
10	High-resolution DEM generation from spaceborne and terrestrial remote sensing data for improved volcano hazard assessment " A case study at Nevado del Ruiz, Colombia. <i>Remote Sensing of Environment</i> , 2019, 233, 111348.	11.0	20
11	Using dust shed from asteroids as microsamples to link remote measurements with meteorite classes. <i>Meteoritics and Planetary Science</i> , 2019, 54, 2046-2066.	1.6	4
12	Modeling the October 2005 lahars at Panabaj (Guatemala). <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	23
13	A new approach to probabilistic lava flow hazard assessments, applied to the Idaho National Laboratory, eastern Snake River Plain, Idaho, USA. <i>Geology</i> , 2018, 46, 895-898.	4.4	18
14	Benchmarking computational fluid dynamics models of lava flow simulation for hazard assessment, forecasting, and risk management. <i>Journal of Applied Volcanology</i> , 2017, 6, .	2.0	43
15	Recurrence rate and magma effusion rate for the latest volcanism on Arsia Mons, Mars. <i>Earth and Planetary Science Letters</i> , 2017, 458, 170-178.	4.4	29
16	Multiscale postseismic behavior on a megathrust: The 2012 Nicoya earthquake, Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1848-1864.	2.5	52
17	The Syrtis Major volcano, Mars: A multidisciplinary approach to interpreting its magmatic evolution and structural development. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1476-1496.	3.6	16
18	Role of sills in the development of volcanic fields: Insights from lidar mapping surveys of the San Rafael Swell, Utah. <i>Geology</i> , 2015, 43, 1023-1026.	4.4	22

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19	Lava flow mapping and volume calculations for the 2012–2013 Tolbachik, Kamchatka, fissure eruption using bistatic TanDEM-X InSAR. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	35
20	Subsurface structure of a maar–diatreme and associated tuff ring from a high-resolution geophysical survey, Rattlesnake Crater, Arizona. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 253-264.	2.1	11
21	The volcanic history of Syria Planum, Mars. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 252, 1-13.	2.1	34
22	How to use kernel density estimation as a diagnostic and forecasting tool for distributed volcanic vents. <i>Statistics in Volcanology</i> , 0, 4, 1-25.	0.0	20