

Andrew J L Harris

List of Publications by Year in descending order

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45
papers

2,402
citations

218592

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289141

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docs citations

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times ranked

1291
citing authors

#	ARTICLE	IF	CITATIONS
1	Lava Volume from Remote Sensing Data: Comparisons with Reverse Petrological Approaches for Two Types of Effusive Eruption. <i>Remote Sensing</i> , 2022, 14, 323.	1.8	3
2	Volcanology 2030: will an orbital volcano observatory finally become a reality?. <i>Bulletin of Volcanology</i> , 2022, 84, 1.	1.1	9
3	VIGIA: A Thermal and Visible Imagery System to Track Volcanic Explosions. <i>Remote Sensing</i> , 2022, 14, 3355.	1.8	5
4	Multi-Parametric Field Experiment Links Explosive Activity and Persistent Degassing at Stromboli. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	12
5	Lava flow hazard map of Piton de la Fournaise volcano. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 2355-2377.	1.5	19
6	The 1974 West Flank Eruption of Mount Etna: A Data-Driven Model for a Low Elevation Effusive Event. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	2
7	Fragmentation Processes During Strombolian Explosions Revealed Using Particle Size Distribution Mapping. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	2
8	Real-Time Geophysical Monitoring of Particle Size Distribution During Volcanic Explosions at Stromboli Volcano (Italy). <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	22
9	Translations of volcanological terms: cross-cultural standards for teaching, communication, and reporting. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	1.1	7
10	Near-real-time service provision during effusive crises at Etna and Stromboli: basis and implementation of satellite-based IR operations. <i>Geological Society Special Publication</i> , 2016, 426, 463-488.	0.8	6
11	Simulating the thermorheological evolution of channel-contained lava: FLOWGO and its implementation in EXCEL. <i>Geological Society Special Publication</i> , 2016, 426, 313-336.	0.8	15
12	The effects of volcanic eruptions observed in satellite images: Examples from outside the North Pacific region. , 2015, , 323-354.		1
13	Thermal anomalies at volcanoes. , 2015, , 49-78.		2
14	Bombs behaving badly: unexpected trajectories and cooling of volcanic projectiles. <i>Bulletin of Volcanology</i> , 2012, 74, 1849-1858.	1.1	35
15	Hazard assessment at Mount Etna using a hybrid lava flow inundation model and satellite-based land classification. <i>Natural Hazards</i> , 2011, 58, 1001-1027.	1.6	35
16	Features of lava lake filling and draining and their implications for eruption dynamics. <i>Bulletin of Volcanology</i> , 2009, 71, 767-780.	1.1	15
17	Thermal-image-derived dynamics of vertical ash plumes at Santiaguito volcano, Guatemala. <i>Bulletin of Volcanology</i> , 2009, 71, 827-830.	1.1	27
18	Lava discharge rates from satellite-measured heat flux. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	76

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19	Using infrared satellite data to drive a thermo-rheological/stochastic lava flow emplacement model: A method for near-real-time volcanic hazard assessment. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	50
20	Field measurements of heat loss from skylights and lava tube systems. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	31
21	Regional earthquake as a trigger for enhanced volcanic activity: Evidence from MODIS thermal data. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	58
22	Pāhoehoe flow cooling, discharge, and coverage rates from thermal image chronometry. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	25
23	Strombolian explosive styles and source conditions: insights from thermal (FLIR) video. <i>Bulletin of Volcanology</i> , 2007, 69, 769-784.	1.1	223
24	Lava effusion rate definition and measurement: a review. <i>Bulletin of Volcanology</i> , 2007, 70, 1-22.	1.1	248
25	Accurately measuring volcanic plume velocity with multiple UV spectrometers. <i>Bulletin of Volcanology</i> , 2006, 68, 328-332.	1.1	65
26	The changing morphology of an open lava channel on Mt. Etna. <i>Bulletin of Volcanology</i> , 2006, 68, 497-515.	1.1	82
27	First recorded eruption of Mount Belinda volcano (Montagu Island), South Sandwich Islands. <i>Bulletin of Volcanology</i> , 2005, 67, 415-422.	1.1	49
28	Lengths and hazards from channel-fed lava flows on Mauna Loa, Hawai'i, determined from thermal and downslope modeling with FLOWGO. <i>Bulletin of Volcanology</i> , 2005, 67, 634-647.	1.1	50
29	Chronology and complex volcanic processes during the 2002-2003 flank eruption at Stromboli volcano (Italy) reconstructed from direct observations and surveys with a handheld thermal camera. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	151
30	Coupled thermal oscillations in explosive activity at different craters of Stromboli volcano. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	30
31	Thermal observations of gas pistoning at Kilauea Volcano. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	30
32	Effects of Martian conditions on numerically modeled, cooling-limited, channelized lava flows. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	31
33	Volumetric characteristics of lava flows from interferometric radar and multispectral satellite data: the 1995 Fernandina and 1998 Cerro Azul eruptions in the western Galápagos. <i>Bulletin of Volcanology</i> , 2003, 65, 311-330.	1.1	62
34	Observations of the effect of wind on the cooling of active lava flows. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	50
35	High-spatial-resolution thermal remote sensing of active volcanic features using Landsat and hyperspectral data. <i>Geophysical Monograph Series</i> , 2000, , 161-177.	0.1	21
36	Real-time satellite monitoring of volcanic hot spots. <i>Geophysical Monograph Series</i> , 2000, , 139-159.	0.1	45

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37	Mass flux measurements at active lava lakes: Implications for magma recycling. <i>Journal of Geophysical Research</i> , 1999, 104, 7117-7136.	3.3	141
38	Calculation of lava effusion rates from Landsat TM data. <i>Bulletin of Volcanology</i> , 1998, 60, 52-71.	1.1	168
39	Magma budgets and steady-state activity of Vulcano and Stromboli. <i>Geophysical Research Letters</i> , 1997, 24, 1043-1046.	1.5	106
40	Chronology of the episode 54 eruption at Kilauea Volcano, Hawaii, from GOES-9 satellite data. <i>Geophysical Research Letters</i> , 1997, 24, 3281-3284.	1.5	43
41	A chronology of the 1991 to 1993 Mount Etna eruption using advanced very high resolution radiometer data: Implications for real-time thermal volcano monitoring. <i>Journal of Geophysical Research</i> , 1997, 102, 7985-8003.	3.3	174
42	Low-cost volcano surveillance from space: case studies from Etna, Krafla, Cerro Negro, Fogo, Lascar and Erebus. <i>Bulletin of Volcanology</i> , 1997, 59, 49-64.	1.1	116
43	Terrestrial analogs to the calderas of the Tharsis volcanoes on Mars. , 0, , 71-94.		44
44	Evolution of the Lava Flow Field by Daily Thermal and Visible Airborne Surveys. <i>Geophysical Monograph Series</i> , 0, , 201-211.	0.1	2
45	The 5 April 2003 Explosion of Stromboli: Timing of Eruption Dynamics Using Thermal Data. <i>Geophysical Monograph Series</i> , 0, , 305-316.	0.1	14