

Martin Jutzeler

List of Publications by Year in descending order

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33
papers

866
citations

516710

16
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	On the fate of pumice rafts formed during the 2012 Havre submarine eruption. <i>Nature Communications</i> , 2014, 5, 3660.	12.8	89
2	Heat flow in the Lesser Antilles island arc and adjacent back arc Grenada basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	80
3	The largest deep-ocean silicic volcanic eruption of the past century. <i>Science Advances</i> , 2018, 4, e1701121.	10.3	80
4	Coring disturbances in IODP piston cores with implications for offshore record of volcanic events and the Missoula megafloods. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3572-3590.	2.5	74
5	Submarine record of volcanic island construction and collapse in the Lesser Antilles arc: First scientific drilling of submarine volcanic island landslides by IODP Expedition 340. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 420-442.	2.5	57
6	Discovery of the Largest Historic Silicic Submarine Eruption. <i>Eos</i> , 2014, 95, 157-159.	0.1	48
7	The pumice raft-forming 2012 Havre submarine eruption was effusive. <i>Earth and Planetary Science Letters</i> , 2018, 489, 49-58.	4.4	45
8	Origin of spectacular fields of submarine sediment waves around volcanic islands. <i>Earth and Planetary Science Letters</i> , 2018, 493, 12-24.	4.4	38
9	The relationship between eruptive activity, flank collapse, and sea level at volcanic islands: A long-term (>1 Ma) record offshore Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2591-2611.	2.5	31
10	Grain-size distribution of volcanoclastic rocks 1: A new technique based on functional stereology. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 239-240, 1-11.	2.1	30
11	The Eruption of Submarine Rhyolite Lavas and Domes in the Deep Ocean – Havre 2012, Kermadec Arc. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	25
12	Ongoing Dispersal of the 7 August 2019 Pumice Raft From the Tonga Arc in the Southwestern Pacific Ocean. <i>Geophysical Research Letters</i> , 2020, 47, e1701121.	4.0	25
13	Rapid onset of mafic magmatism facilitated by volcanic edifice collapse. <i>Geophysical Research Letters</i> , 2015, 42, 4778-4785.	4.0	24
14	Late Pleistocene stratigraphy of IODP Site U1396 and compiled chronology offshore of south and south west Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3000-3020.	2.5	23
15	The missing half of the subduction factory: shipboard results from the Izu rear arc, IODP Expedition 350. <i>International Geology Review</i> , 2017, 59, 1677-1708.	2.1	23
16	Tuffaceous Mud is a Volumetrically Important Volcanoclastic Facies of Submarine Arc Volcanism and Record of Climate Change. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1217-1243.	2.5	19
17	Submarine eruption-fed and resedimented pumice-rich facies: the Dogashima Formation (Izu Peninsula), Tonga. <i>Geophysical Research Letters</i> , 2016, 43, L12301.	3.0	16
18	Permeability and pressure measurements in Lesser Antilles submarine slides: Evidence for pressure-driven slow-slip failure. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7986-8011.	3.4	16

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19	Geophysical characterization of hydrothermal systems and intrusive bodies, El Chichón volcano (Mexico). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	15
20	The incrementally zoned Miocene Ayagaures ignimbrite (Gran Canaria, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2010, 196, 1-19.	2.1	14
21	Facies architecture of a continental, below-wave-base volcanoclastic basin: The Ohanapecosh Formation, Ancestral Cascades arc (Washington, USA). <i>Bulletin of the Geological Society of America</i> , 2014, 126, 352-376.	3.3	12
22	Vesiculation and fragmentation history in a submarine scoria cone-forming eruption, an example from Nishiizu (Izu Peninsula, Japan). <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	12
23	Grain-size distribution of volcanoclastic rocks 2: Characterizing grain size and hydraulic sorting. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 301, 191-203.	2.1	11
24	Explosive destruction of a Pliocene hot lava dome underwater: Dogashima (Japan). <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 75-81.	2.1	11
25	New insights into landslide processes around volcanic islands from Remotely Operated Vehicle (ROV) observations offshore Montserrat. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2240-2261.	2.5	10
26	Subaqueous effusive and explosive phases of late Deccan volcanism: evidence from Mumbai Islands, India. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	10
27	The earliest stage of Izu rear-arc volcanism revealed by drilling at Site U1437, International Ocean Discovery Program Expedition 350. <i>Island Arc</i> , 2020, 29, e12340.	1.1	8
28	Long-term changes in explosive and effusive behaviour at andesitic arc volcanoes: Chronostratigraphy of the Centre Hills Volcano, Montserrat. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 333-334, 15-35.	2.1	7
29	Alkalic pyroclast morphology informs on fragmentation mechanisms, Trindade Island, Brazil. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 428, 107575.	2.1	4
30	Developing community-based scientific priorities and new drilling proposals in the southern Indian and southwestern Pacific oceans. <i>Scientific Drilling</i> , 0, 24, 61-70.	0.6	2
31	Progressive Intensification of Pacific Deep Water Circulation Since the Early Pliocene. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	1
32	Pumice Raft Detection Using Machine-Learning on Multispectral Satellite Imagery. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	1
33	Syn-eruptive soft-sediment deformation structures in a deep submarine caldera: Havre, 2012. <i>Marine Geology</i> , 2020, 430, 106373.	2.1	0