

Michael Cassidy

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,049
citations

430874

18
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	Controls on explosive-effusive volcanic eruption styles. <i>Nature Communications</i> , 2018, 9, 2839.	12.8	262
2	Natural iron fertilization by the Eyjafjallajökull volcanic eruption. <i>Geophysical Research Letters</i> , 2013, 40, 921-926.	4.0	113
3	Distal deposition of tephra from the Eyjafjallajökull 2010 summit eruption. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	58
4	Construction of volcanic records from marine sediment cores: A review and case study (Montserrat, Tj ETQq0 0 0 rgBT /Overlock 10 Tf .	9.1	57
5	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
6	Multi-stage volcanic island flank collapses with coeval explosive caldera-forming eruptions. <i>Scientific Reports</i> , 2018, 8, 1146.	3.3	42
7	Extensive, water-rich magma reservoir beneath southern Montserrat. <i>Lithos</i> , 2016, 252-253, 216-233.	1.4	38
8	Tracking the magmatic evolution of island arc volcanism: Insights from a high-precision Pb isotope record of Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	32
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	Origin of Basalts by Hybridization in Andesite-dominated Arcs. <i>Journal of Petrology</i> , 2015, 56, 325-346.	2.8	29
11	Volatile dilution during magma injections and implications for volcano explosivity. <i>Geology</i> , 2016, 44, 1027-1030.	4.4	28
12	Timing, origin and emplacement dynamics of mass flows offshore of SE Montserrat in the last 110ka: Implications for landslide and tsunami hazards, eruption history, and volcanic island evolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 385-406.	2.5	26
13	Rapid onset of mafic magmatism facilitated by volcanic edifice collapse. <i>Geophysical Research Letters</i> , 2015, 42, 4778-4785.	4.0	24
14	Explosive Eruptions With Little Warning: Experimental Petrology and Volcano Monitoring Observations From the 2014 Eruption of Kelud, Indonesia. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4218-4247.	2.5	24
15	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
16	Lava penetrating water: the different behaviours of pöhoehoe and á€ˆá€ˆÁ•at the Nesjahraun, Ážingvellir, Iceland. <i>Bulletin of Volcanology</i> , 2012, 74, 33-46.	3.0	22
17	Submarine deposits from pumiceous pyroclastic density currents traveling over water: An outstanding example from offshore Montserrat (IODP 340). <i>Bulletin of the Geological Society of America</i> , 2017, 129, 392-414.	3.3	22
18	Submarine landslide megablocks show half of Anak Krakatau island failed on December 22nd, 2018. <i>Nature Communications</i> , 2021, 12, 2827.	12.8	21

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19	Modeling of the Dec. 22nd 2018 Anak Krakatau volcano lateral collapse and tsunami based on recent field surveys: Comparison with observed tsunami impact. <i>Marine Geology</i> , 2021, 440, 106566.	2.1	21
20	Timing and emplacement dynamics of newly recognised mass flow deposits at ~8â€“12ka offshore SoufriÃˆre Hills volcano, Montserrat: How submarine stratigraphy can complement subaerial eruption histories. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 253, 1-14.	2.1	20
21	Discovery of a large 2.4 Ma Plinian eruption of Basse-Terre, Guadeloupe, from the marine sediment record. <i>Geology</i> , 2016, 44, 123-126.	4.4	14
22	Mapping Recent Shoreline Changes Spanning the Lateral Collapse of Anak Krakatau Volcano, Indonesia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 536.	2.5	14
23	Chapter 20 Multi-stage collapse events in the South SoufriÃˆre Hills, Montserrat as recorded in marine sediment cores. <i>Geological Society Memoir</i> , 2014, 39, 383-397.	1.7	13
24	Quantifying Microstructural Evolution in Moving Magma. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	11
25	The magmatic and eruptive evolution of the 1883 caldera-forming eruption of Krakatau: Integrating field- to crystal-scale observations. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 411, 107176.	2.1	10
26	Downward-propagating eruption following vent unloading implies no direct magmatic trigger for the 2018 lateral collapse of Anak Krakatau. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117332.	4.4	9
27	Widespread inflation and drainage of a pÃˆhoehoe flow field: the Nesjahraun, Ãžingvellir, Iceland. <i>Bulletin of Volcanology</i> , 2012, 74, 15-31.	3.0	7
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	Bathymetry and Shallow Seismic Imaging of the 2018 Flank Collapse of Anak Krakatau. <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	6
30	Synthesis: stratigraphy and age control for IODP Sites U1394, U1395, and U1396 offshore Montserrat in the Lesser Antilles. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	4