Michael Cassidy

List of Publications by Year
in descending order

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	Downward-propagating eruption following vent unloading implies no direct magmatic trigger for the 2018 lateral collapse of Anak Krakatau. Earth and Planetary Science Letters, 2022, 578, 117332.	4.4	9
2	Bathymetry and Shallow Seismic Imaging of the 2018 Flank Collapse of Anak Krakatau. Frontiers in Earth Science, 2021, 8, .	1.8	6
3	The magmatic and eruptive evolution of the 1883 caldera-forming eruption of Krakatau: Integrating field- to crystal-scale observations. Journal of Volcanology and Geothermal Research, 2021, 411, 107176.	2.1	10
4	Submarine landslide megablocks show half of Anak Krakatau island failed on December 22nd, 2018. Nature Communications, 2021, 12, 2827.	12.8	21
5	Modeling of the Dec. 22nd 2018 Anak Krakatau volcano lateral collapse and tsunami based on recent field surveys: Comparison with observed tsunami impact. Marine Geology, 2021, 440, 106566.	2.1	21
6	Quantifying Microstructural Evolution in Moving Magma. Frontiers in Earth Science, 2020, 8, .	1.8	11
7	Mapping Recent Shoreline Changes Spanning the Lateral Collapse of Anak Krakatau Volcano, Indonesia. Applied Sciences (Switzerland), 2020, 10, 536.	2.5	14
8	Explosive Eruptions With Little Warning: Experimental Petrology and Volcano Monitoring Observations From the 2014 Eruption of Kelud, Indonesia. Geochemistry, Geophysics, Geosystems, 2019, 20, 4218-4247.	2.5	24
9	Multi-stage volcanic island flank collapses with coeval explosive caldera-forming eruptions. Scientific Reports, 2018, 8, 1146.	3.3	42
10	Controls on explosive-effusive volcanic eruption styles. Nature Communications, 2018, 9, 2839.	12.8	262
11	Long-term changes in explosive and effusive behaviour at andesitic arc volcanoes: Chronostratigraphy of the Centre Hills Volcano, Montserrat. Journal of Volcanology and Geothermal Research, 2017, 333-334, 15-35.	2.1	7
12	Submarine deposits from pumiceous pyroclastic density currents traveling over water: An outstanding example from offshore Montserrat (IODP 340). Bulletin of the Geological Society of America, 2017, 129, 392-414.	3.3	22
13	The relationship between eruptive activity, flank collapse, and sea level at volcanic islands: A longâ€term (>1 Ma) record offshore Montserrat, Lesser Antilles. Geochemistry, Geophysics, Geosystems, 2016, 17, 2591-2611.	2.5	31
14	Volatile dilution during magma injections and implications for volcano explosivity. Geology, 2016, 44, 1027-1030.	4.4	28
15	Discovery of a large 2.4 Ma Plinian eruption of Basse-Terre, Guadeloupe, from the marine sediment record. Geology, 2016, 44, 123-126.	4.4	14
16	Extensive, water-rich magma reservoir beneath southern Montserrat. Lithos, 2016, 252-253, 216-233.	1.4	38
17	Origin of Basalts by Hybridization in Andesite-dominated Arcs. Journal of Petrology, 2015, 56, 325-346.	2.8	29
18	Rapid and slow: Varying magma ascent rates as a mechanism for Vulcanian explosions. Earth and Planetary Science Letters, 2015, 420, 73-84.	4.4	55

#	Article	IF	Citations
19	Rapid onset of mafic magmatism facilitated by volcanic edifice collapse. Geophysical Research Letters, 2015, 42, 4778-4785.	4.0	24
20	Construction of volcanic records from marine sediment cores: A review and case study (Montserrat,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.1	57
21	Chapter 20 Multi-stage collapse events in the South SoufriÃ¨re Hills, Montserrat as recorded in marine sediment cores. Geological Society Memoir, 2014, 39, 383-397.	1.7	13
22	Late Pleistocene stratigraphy of IODP Site U1396 and compiled chronology offshore of south and south west Montserrat, Lesser Antilles. Geochemistry, Geophysics, Geosystems, 2014, 15, 3000-3020.	2.5	23
23	Timing and emplacement dynamics of newly recognised mass flow deposits at ~8â€“12ka offshore SoufriÃ¨re Hills volcano, Montserrat: How submarine stratigraphy can complement subaerial eruption histories. Journal of Volcanology and Geothermal Research, 2013, 253, 1-14.	2.1	20
24	Natural iron fertilization by the EyjafjallajÃ¶kull volcanic eruption. Geophysical Research Letters, 2013, 40, 921-926.	4.0	113
25	Timing, origin and emplacement dynamics of mass flows offshore of SE Montserrat in the last 110â€‰ka: Implications for landslide and tsunami hazards, eruption history, and volcanic island evolution. Geochemistry, Geophysics, Geosystems, 2013, 14, 385-406.	2.5	26
26	Distal deposition of tephra from the EyjafjallajÃ¶kull 2010 summit eruption. Journal of Geophysical Research, 2012, 117, .	3.3	58
27	Tracking the magmatic evolution of island arc volcanism: Insights from a highâ€precision Pb isotope record of Montserrat, Lesser Antilles. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	32
28	Lava penetrating water: the different behaviours of pÄhoehoe and â€˜aâ€˜Ä•at the Nesjahraun, Ãžingvellir, Iceland. Bulletin of Volcanology, 2012, 74, 33-46.	3.0	22
29	Widespread inflation and drainage of a pÄhoehoe flow field: the Nesjahraun, Ãžingvellir, Iceland. Bulletin of Volcanology, 2012, 74, 15-31.	3.0	7
30	Synthesis: stratigraphy and age control for IODP Sites U1394, U1395, and U1396 offshore Montserrat in the Lesser Antilles. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	4