

# Jenni Barclay

## List of Publications by Year in descending order

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77  
papers

3,823  
citations

159585

30  
h-index

128289

60  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics and timescales of mafic-silicic magma interactions at Soufrière Hills Volcano, Montserrat. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, 1.	3.1	3
2	Disaster aid? Mapping historical responses to volcanic eruptions from 1800-2000 in the English-speaking Eastern Caribbean: their role in creating vulnerabilities. <i>Disasters</i> , 2022, 46, .	2.2	6
3	Responding to eruptive transitions during the 2020-2021 eruption of La Soufrière volcano, St. Vincent. <i>Nature Communications</i> , 2022, 13, .	12.8	31
4	U-series histories of magmatic volatile phase and enclave development at Soufrière Hills Volcano, Montserrat. <i>Chemical Geology</i> , 2021, 559, 119957.	3.3	2
5	A UK perspective on tackling the geoscience racial diversity crisis in the Global North. <i>Nature Geoscience</i> , 2021, 14, 256-259.	12.9	38
6	Explosive felsic eruptions on ocean islands: A case study from Ascension Island (South Atlantic). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 416, 107284.	2.1	6
7	Rapid eruptive transitions from low to high intensity explosions and effusive activity: insights from textural analysis of a small-volume trachytic eruption, Ascension Island, South Atlantic. <i>Bulletin of Volcanology</i> , 2021, 83, 1.	3.0	5
8	Remembering, Forgetting, and Absencing Disasters in the Post-disaster Recovery Process. <i>International Journal of Disaster Risk Science</i> , 2020, 11, 287-299.	2.9	16
9	Historical records of volcanic eruptions deserve more attention. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 183-184.	29.7	6
10	Deep and disturbed: conditions for formation and eruption of a mingled rhyolite at Ascension Island, south Atlantic. <i>Volcanica</i> , 2020, 3, 139-153.	1.8	5
11	Lower Crustal Heterogeneity and Fractional Crystallization Control Evolution of Small-volume Magma Batches at Ocean Island Volcanoes (Ascension Island, South Atlantic). <i>Journal of Petrology</i> , 2019, 60, 1489-1522.	2.8	12
12	Volatile behaviour in the 1995-2010 eruption of the Soufrière Hills Volcano, Montserrat recorded by U-series disequilibria in mafic enclaves and andesite host. <i>Earth and Planetary Science Letters</i> , 2019, 524, 115730.	4.4	6
13	Livelihoods, Wellbeing and the Risk to Life During Volcanic Eruptions. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	42
14	Global Mapping of Citizen Science Projects for Disaster Risk Reduction. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	60
15	Mafic enclaves record syn-eruptive basalt intrusion and mixing. <i>Earth and Planetary Science Letters</i> , 2018, 484, 30-40.	4.4	36
16	Meteorological Controls on Local and Regional Volcanic Ash Dispersal. <i>Scientific Reports</i> , 2018, 8, 6873.	3.3	23
17	The 1902-3 eruptions of the Soufrière, St Vincent: Impacts, relief and response. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 356, 183-199.	2.1	20
18	Timescales of magma ascent and degassing and the role of crustal assimilation at Merapi volcano (2006-2010), Indonesia: Constraints from uranium-series and radiogenic isotopic compositions. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 34-52.	3.9	19

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19	Bridging the gap: $^{40}\text{Ar}/^{39}\text{Ar}$ dating of volcanic eruptions from the "Age of Discovery". <i>Geology</i> , 2018, 46, 1035-1038.	4.4	21
20	Living with Volcan Tungurahua: The dynamics of vulnerability during prolonged volcanic activity. <i>Geoforum</i> , 2017, 80, 72-81.	2.5	28
21	Risk communication films: Process, product and potential for improving preparedness and behaviour change. <i>International Journal of Disaster Risk Reduction</i> , 2017, 23, 138-151.	3.9	32
22	Adapting to changes in volcanic behaviour: Formal and informal interactions for enhanced risk management at Tungurahua Volcano, Ecuador. <i>Global Environmental Change</i> , 2017, 45, 217-226.	7.8	36
23	Interpreting flash flood palaeoflow parameters from antidunes and gravel lenses: An example from Montserrat, West Indies. <i>Sedimentology</i> , 2017, 64, 1817-1845.	3.1	25
24	Volcanic Unrest and Pre-eruptive Processes: A Hazard and Risk Perspective. <i>Advances in Volcanology</i> , 2017, , 1-21.	1.1	5
25	The Dilemmas of Risk-Sensitive Development on a Small Volcanic Island. <i>Resources</i> , 2016, 5, 21.	3.5	31
26	Transitions between explosive and effusive phases during the cataclysmic 2010 eruption of Merapi volcano, Java, Indonesia. <i>Bulletin of Volcanology</i> , 2016, 78, 54.	3.0	51
27	Origin and evolution of silicic magmas at ocean islands: Perspectives from a zoned fall deposit on Ascension Island, South Atlantic. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 327, 349-360.	2.1	14
28	Staged storage and magma convection at Ambrym volcano, Vanuatu. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 322, 144-157.	2.1	21
29	Global volcanic hazard and risk. , 2015, , 81-172.		52
30	An introduction to global volcanic hazard and risk. , 2015, , 1-80.		20
31	Social Processes and Volcanic Risk Reduction. , 2015, , 1203-1214.		15
32	An interdisciplinary approach to volcanic risk reduction under conditions of uncertainty: a case study of Tristan da Cunha. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 1871-1887.	3.6	19
33	Pre- and syn-eruptive degassing and crystallisation processes of the 2010 and 2006 eruptions of Merapi volcano, Indonesia. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	3.1	43
34	Risk reduction through community-based monitoring: the vigías of Tungurahua, Ecuador. <i>Journal of Applied Volcanology</i> , 2014, 3, .	2.0	27
35	Geochemical evidence for relict degassing pathways preserved in andesite. <i>Earth and Planetary Science Letters</i> , 2014, 386, 21-33.	4.4	29
36	Chapter 17 Petrological and geochemical variation during the Soufrière Hills eruption, 1995 to 2010. <i>Geological Society Memoir</i> , 2014, 39, 317-342.	1.7	20

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37	Chapter 16 Pre-eruptive vapour and its role in controlling eruption style and longevity at Soufrière Hills Volcano. Geological Society Memoir, 2014, 39, 291-315.	1.7	30
38	Chapter 18 Characterization of mafic enclaves in the erupted products of Soufrière Hills Volcano, Montserrat, 2009 to 2010. Geological Society Memoir, 2014, 39, 343-360.	1.7	32
39	Risk reduction through community-based monitoring: the. Journal of Applied Volcanology, 2014, 3, 11.	2.0	13
40	Developing a simplified geographical information system approach to dilute lahar modelling for rapid hazard assessment. Bulletin of Volcanology, 2013, 75, 1.	3.0	13
41	Textural and micro-petrological variations in the eruptive products of the 2006 dome-forming eruption of Merapi volcano, Indonesia: Implications for sub-surface processes. Journal of Volcanology and Geothermal Research, 2013, 261, 98-120.	2.1	51
42	A new method to quantify the real supply of mafic components to a hybrid andesite. Contributions To Mineralogy and Petrology, 2013, 165, 191-215.	3.1	34
43	Tristan da Cunha: Constraining eruptive behavior using the <sup>40</sup> Ar/ <sup>39</sup> Ar dating technique. Geology, 2012, 40, 723-726.	4.4	28
44	Geographical information system approaches for hazard mapping of dilute lahars on Montserrat, West Indies. Bulletin of Volcanology, 2012, 74, 1337-1353.	3.0	9
45	Merapi (Java, Indonesia): anatomy of a killer volcano. Geology Today, 2011, 27, 57-62.	0.9	29
46	Sediment-charged flash floods on Montserrat: The influence of synchronous tephra fall and varying extent of vegetation damage. Journal of Volcanology and Geothermal Research, 2010, 194, 127-138.	2.1	27
47	An application-driven approach to terrain model construction. International Journal of Geographical Information Science, 2010, 24, 1171-1191.	4.8	9
48	Caught in the act: Implications for the increasing abundance of mafic enclaves during the recent eruptive episodes of the Soufrière Hills Volcano, Montserrat. Geophysical Research Letters, 2010, 37, .	4.0	35
49	Micro-tephra in the West Runton Freshwater Bed: Preliminary results. Quaternary International, 2010, 228, 21-24.	1.5	8
50	The fast response of volcano-seismic activity to intense precipitation: Triggering of primary volcanic activity by rainfall at Soufrière Hills Volcano, Montserrat. Journal of Volcanology and Geothermal Research, 2009, 184, 405-415.	2.1	29
51	Fostering Interdisciplinary Science to Improve Resilience to Natural Hazards: Characterization, Communication and Mitigation of Risks Arising From Multiple Hazards; Norwich, UK, 7â€“8 May 2009. Eos, 2009, 90, 326.	0.1	0
52	The issue of trust and its influence on risk communication during a volcanic crisis. Bulletin of Volcanology, 2008, 70, 605-621.	3.0	146
53	Whose reality counts? Factors affecting the perception of volcanic risk. Journal of Volcanology and Geothermal Research, 2008, 172, 259-272.	2.1	158
54	Saints and Sinners: a tephrochronology for Late Antique landscape change in Epirus from the eruptive history of Lipari, Aeolian Islands. Journal of Archaeological Science, 2008, 35, 2574-2579.	2.4	12

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55	Framing volcanic risk communication within disaster risk reduction: finding ways for the social and physical sciences to work together. Geological Society Special Publication, 2008, 305, 163-177.	1.3	58
56	Rainfall-induced lahars in the Belham Valley, Montserrat, West Indies. Journal of the Geological Society, 2007, 164, 815-827.	2.1	46
57	Volcanic hazard communication using maps: an evaluation of their effectiveness. Bulletin of Volcanology, 2007, 70, 123-138.	3.0	113
58	BrO formation in volcanic plumes. Geochimica Et Cosmochimica Acta, 2006, 70, 2935-2941.	3.9	122
59	Meteorological monitoring of an active volcano: Implications for eruption prediction. Journal of Volcanology and Geothermal Research, 2006, 150, 339-358.	2.1	37
60	A Hornblende Basalt from Western Mexico: Water-saturated Phase Relations Constrain a Pressure-Temperature Window of Eruptibility. Journal of Petrology, 2004, 45, 485-506.	2.8	132
61	A thermodynamical model for rainfall-triggered volcanic dome collapse. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	23
62	Rainfall-induced volcanic activity on Montserrat. Geophysical Research Letters, 2002, 29, 22-1.	4.0	80
63	Generation of a debris avalanche and violent pyroclastic density current on 26 December (Boxing Day) 1997 at Soufrière Hills Volcano, Montserrat. Geological Society Memoir, 2002, 21, 409-434.	1.7	78
64	Hazard implications of small-scale edifice instability and sector collapse: a case history from Soufrière Hills Volcano, Montserrat. Geological Society Memoir, 2002, 21, 349-362.	1.7	16
65	Control on the emplacement of the andesite lava dome of the Soufriere Hills volcano, Montserrat by degassing-induced crystallization. Terra Nova, 2000, 12, 14-20.	2.1	171
66	Remobilization of Andesite Magma by Intrusion of Mafic Magma at the Soufriere Hills Volcano, Montserrat, West Indies. Journal of Petrology, 2000, 41, 21-42.	2.8	422
67	Magma production and growth of the lava dome of the Soufriere Hills Volcano, Montserrat, West Indies: November 1995 to December 1997. Geophysical Research Letters, 1998, 25, 3421-3424.	4.0	157
68	The role of magma mixing in triggering the current eruption at the Soufriere Hills Volcano, Montserrat, West Indies. Geophysical Research Letters, 1998, 25, 3433-3436.	4.0	182
69	Experimental phase equilibria constraints on pre-eruptive storage conditions of the Soufriere Hills magma. Geophysical Research Letters, 1998, 25, 3437-3440.	4.0	201
70	Petrologic evidence for pre-eruptive pressure-temperature conditions, and recent reheating, of andesitic magma erupting at the Soufriere Hills Volcano, Montserrat, W.I.. Geophysical Research Letters, 1998, 25, 3669-3672.	4.0	125
71	Monitoring SO <sub>2</sub> emission at the Soufriere Hills Volcano: Implications for changes in eruptive conditions. Geophysical Research Letters, 1998, 25, 3681-3684.	4.0	55
72	The Ongoing Eruption in Montserrat. Science, 1997, 276, 371-372.	12.6	20

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73	Degassing during magma ascent in the Mule Creek vent (USA). Bulletin of Volcanology, 1996, 58, 117-130.	3.0	169
74	Pre-eruptive volatile content and degassing history of an evolving peralkaline volcano. Journal of Volcanology and Geothermal Research, 1996, 74, 75-87.	2.1	65
75	SILVA GPS AND ELECTRONIC COMPASS. Terra Nova, 1995, 7, 469-471.	2.1	0
76	Analytical models for bubble growth during decompression of high viscosity magmas. Bulletin of Volcanology, 1995, 57, 422-431.	3.0	50
77	Analytical models for bubble growth during decompression of high viscosity magmas. Bulletin of Volcanology, 1995, 57, 422-431.	3.0	4