

# Richard E A Robertson

## List of Publications by Year in descending order

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42  
papers

1,839  
citations

304743

22  
h-index

289244

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magma Flow Instability and Cyclic Activity at Soufriere Hills Volcano, Montserrat, British West Indies. <i>Science</i> , 1999, 283, 1138-1142.	12.6	274
2	Overview of the eruption of Soufriere Hills Volcano, Montserrat, 18 July 1995 to December 1997. <i>Geophysical Research Letters</i> , 1998, 25, 3389-3392.	4.0	159
3	Pyroclastic flows generated by gravitational instability of the 1996-97 Lava Dome of Soufriere Hills Volcano, Montserrat. <i>Geophysical Research Letters</i> , 1998, 25, 3425-3428.	4.0	157
4	Current block motions and strain accumulation on active faults in the Caribbean. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 3748-3774.	3.4	128
5	Chapter 1 An overview of the eruption of Soufriere Hills Volcano, Montserrat from 2000 to 2010. <i>Geological Society Memoir</i> , 2014, 39, 1-40.	1.7	114
6	Experimental Evidence for Polybaric Differentiation of Primitive Arc Basalt beneath St. Vincent, Lesser Antilles. <i>Journal of Petrology</i> , 2015, 56, 161-192.	2.8	104
7	The explosive eruption of Soufriere Hills Volcano, Montserrat, West Indies, 17 September, 1996. <i>Geophysical Research Letters</i> , 1998, 25, 3429-3432.	4.0	99
8	Episodic growth and homogenization of plutonic roots in arc volcanoes from combined U <sup>235</sup> /Th and (U <sup>235</sup> /Th)/He zircon dating. <i>Earth and Planetary Science Letters</i> , 2010, 295, 91-103.	4.4	76
9	Tsunami: scientific frontiers, mitigation, forecasting and policy implications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 1989-2007.	3.4	74
10	The 1995-1998 eruption of the Soufriere Hills volcano, Montserrat, WI. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000, 358, 1619-1637.	3.4	68
11	Livelihoods, Wellbeing and the Risk to Life During Volcanic Eruptions. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	42
12	Discharge of pyroclastic flows into the sea during the 1996-1998 eruptions of the Soufriere Hills volcano, Montserrat. <i>Bulletin of Volcanology</i> , 2004, 66, 599-614.	3.0	38
13	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
14	The Dilemmas of Risk-Sensitive Development on a Small Volcanic Island. <i>Resources</i> , 2016, 5, 21.	3.5	31
15	Responding to eruptive transitions during the 2020-2021 eruption of La Soufriere volcano, St. Vincent. <i>Nature Communications</i> , 2022, 13, .	12.8	31
16	Chemical and isotopic characteristics of geothermal fluids from Sulphur Springs, Saint Lucia. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 254, 23-36.	2.1	29
17	Focused study of interweaving hazards across the Caribbean. <i>Eos</i> , 2012, 93, 89-90.	0.1	28
18	Probabilistic Seismic Hazard Assessment at the Eastern Caribbean Islands. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 2499-2521.	2.3	26

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19	Along-Arc Heterogeneity in Local Seismicity across the Lesser Antilles Subduction Zone from a Dense Ocean-Bottom Seismometer Network. <i>Seismological Research Letters</i> , 2020, 91, 237-247.	1.9	26
20	Eruption of Soufriere Hills Volcano in Montserrat continues. <i>Eos</i> , 1997, 78, 401-409.	0.1	25
21	Debris avalanche deposits offshore St. Vincent (West Indies): Impact of flank-collapse events on the morphological evolution of the island. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 179, 1-10.	2.1	24
22	An assessment of the risk from future eruptions of the Soufriere volcano of St. Vincent, West Indies. <i>Natural Hazards</i> , 1995, 11, 163-191.	3.4	23
23	Ground deformation studies at Soufriere Hills Volcano, Montserrat I: Electronic distance meter studies. <i>Geophysical Research Letters</i> , 1998, 25, 3409-3412.	4.0	23
24	Meteorological Controls on Local and Regional Volcanic Ash Dispersal. <i>Scientific Reports</i> , 2018, 8, 6873.	3.3	23
25	The Ongoing Eruption in Montserrat. <i>Science</i> , 1997, 276, 371-372.	12.6	20
26	Integrating Volcanic Hazard Data in a Systematic Approach to Develop Volcanic Hazard Maps in the Lesser Antilles. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	20
27	Large Coastal Landslides and Tsunami Hazard in the Caribbean. <i>Eos</i> , 2009, 90, 81-82.	0.1	15
28	30 Years in the Life of an Active Submarine Volcano: A Time-Lapse Bathymetry Study of the Kick'em-Jenny Volcano, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 715-731.	2.5	14
29	Magma evolution beneath Bequia, Lesser Antilles, deduced from petrology of lavas and plutonic xenoliths. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	14
30	Flank instability assessment at Kick-'em-Jenny submarine volcano (Grenada, Lesser Antilles): a multidisciplinary approach using experiments and modeling. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	3.0	13
31	Inferring Interseismic Coupling Along the Lesser Antilles Arc: A Bayesian Approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020677.	3.4	13
32	Application of the probabilistic model <code>BET_UNREST</code> during a volcanic unrest simulation exercise in Dominica, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4438-4456.	2.5	12
33	Disappearance of a crater lake: implications for potential explosivity at Soufriere volcano, St Vincent, Lesser Antilles. <i>Bulletin of Volcanology</i> , 2011, 73, 543-555.	3.0	11
34	The Soufriere Hills Eruption, Montserrat, British West Indies: Introduction to Special Section, Part 1. <i>Geophysical Research Letters</i> , 1998, 25, 3387-3387.	4.0	10
35	The University of the West Indies-Seismic Research Centre Volcano Monitoring Network: Evolution since 1953 and Challenges in Maintaining a State-of-the-Art Network in a Small Island Economy. <i>Geosciences (Switzerland)</i> , 2019, 9, 71.	2.2	9
36	Evolution in magma storage conditions beneath Kick-'em-Jenny and Kick-'em-Jack submarine volcanoes, Lesser Antilles arc. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 373, 1-22.	2.1	7

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37	Significant technical advances in broadband seismic stations in the Lesser Antilles. <i>Advances in Geosciences</i> , 0, 40, 43-50.	12.0	7
38	Fault Creep and Strain Partitioning in Trinidad&Tobago: Geodetic Measurements, Models, and Origin of Creep. <i>Tectonics</i> , 2020, 39, e2019TC005530.	2.8	6
39	Managing stakeholder relationships for improved situation awareness during volcanic emergencies: An Eastern Caribbean case study. <i>International Journal of Disaster Risk Reduction</i> , 2022, 67, 102656.	3.9	6
40	Ongoing tectonic subsidence in the Lesser Antilles subduction zone. <i>Geophysical Journal International</i> , 2022, 231, 319-326.	2.4	4
41	Scientists at the sharp end in a disaster zone. <i>Nature</i> , 1998, 393, 728-728.	27.8	3
42	More than a warning: Expanding the role of communication in Eastern Caribbean volcano science. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	1