Graham S Leonard

List of Publications by Year
in descending order

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69 papers	2,559 citations	218592 26 h-index	206029 48 g-index
70 all docs	70 docs citations	70 times ranked	2186 citing authors

#	Article	IF	Citations
1	Volcanic ash impacts on critical infrastructure. Physics and Chemistry of the Earth, 2012, 45-46, 5-23.	1.2	231
2	High-level stratigraphic scheme for New Zealand rocks. New Zealand Journal of Geology, and Geophysics, 2014, 57, 402-419.	1.0	159
3	Contamination of water supplies by volcanic ashfall: A literature review and simple impact modelling. Journal of Volcanology and Geothermal Research, 2006, 158, 296-306.	0.8	148
4	Basalt triggering of the c. AD 1305 Kaharoa rhyolite eruption, Tarawera Volcanic Complex, New Zealand. Journal of Volcanology and Geothermal Research, 2002, 115, 461-486.	0.8	134
5	Rhyolite magma processes of the â˜¼AD 1315 Kaharoa eruption episode, Tarawera volcano, New Zealand. Journal of Volcanology and Geothermal Research, 2004, 131, 265-294.	0.8	104
6	Double trouble: Paired ignimbrite eruptions and collateral subsidence in the Taupo Volcanic Zone, New Zealand. Bulletin of the Geological Society of America, 2007, 119, 18-30.	1.6	101
7	Scientist and stakeholder perspectives of transdisciplinary research: Early attitudes, expectations, and tensions. Environmental Science and Policy, 2017, 74, 30-39.	2.4	95
8	Mobile applications in crisis informatics literature: A systematic review. International Journal of Disaster Risk Reduction, 2017, 24, 297-311.	1.8	93
9	Distribution, stratigraphy, and history of proximal deposits from the c. AD 1305 Kaharoa eruptive episode at Tarawera Volcano, New Zealand. New Zealand Journal of Geology, and Geophysics, 2001, 44, 467-484.	1.0	85
10	Developing effective warning systems: Ongoing research at Ruapehu volcano, New Zealand. Journal of Volcanology and Geothermal Research, 2008, 172, 199-215.	0.8	83
11	Using groundwater age and hydrochemistry to understand sources and dynamics of nutrient contamination through the catchment into Lake Rotorua, New Zealand. Hydrology and Earth System Sciences, 2015, 19, 803-822.	1.9	83
12	Volcanic and structural evolution of the Okataina Volcanic Centre; dominantly silicic volcanism associated with the Taupo Rift, New Zealand. Journal of Volcanology and Geothermal Research, 2010, 190, 123-135.	0.8	77
13	Age of the Auckland Volcanic Field: a review of existing data. New Zealand Journal of Geology, and Geophysics, 2011, 54, 379-401.	1.0	62
14	Origins of cold-wet-oxidizing to hot-dry-reducing rhyolite magma cycles and distribution in the Taupo Volcanic Zone, New Zealand. Contributions To Mineralogy and Petrology, 2010, 160, 609-629.	1.2	53
15	High-precision 40Ar/39Ar dating of Quaternary basalts from Auckland Volcanic Field, New Zealand, with implications for eruption rates and paleomagnetic correlations. Journal of Volcanology and Geothermal Research, 2017, 343, 60-74.	0.8	52
16	Variable population exposure and distributed travel speeds in least-cost tsunami evacuation modelling. Natural Hazards and Earth System Sciences, 2014, 14, 2975-2991.	1.5	50
17	A high-resolution 40Ar/39Ar lava chronology and edifice construction history for Ruapehu volcano, New Zealand. Journal of Volcanology and Geothermal Research, 2016, 327, 152-179.	0.8	50
18	Developing warning and disaster response capacity in the tourism sector in coastal Washington, USA. Disaster Prevention and Management, 2007, 16, 210-216.	0.6	46

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19	Integrating multidisciplinary science, modelling and impact data into evolving, syn-event volcanic hazard mapping and communication: A case study from the 2012 Tongariro eruption crisis, New Zealand. Journal of Volcanology and Geothermal Research, 2014, 286, 208-232.	0.8	43
20	Lava-ice interaction on a large composite volcano: a case study from Ruapehu, New Zealand. Bulletin of Volcanology, 2015, 77, 1.	1.1	42
21	TaupÅ: an overview of New Zealand's youngest supervolcano. New Zealand Journal of Geology, and Geophysics, 2021, 64, 320-346.	1.0	39
22	Tools and techniques for developing tephra stratigraphies in lake cores: A case study from the basaltic Auckland Volcanic Field, New Zealand. Quaternary Science Reviews, 2015, 123, 58-75.	1.4	36
23	Auckland Volcanic Field magmatism, volcanism, and hazard: a review. New Zealand Journal of Geology, and Geophysics, 0, , 1-22.	1.0	36
24	Tsunami response behaviour during and following two local-source earthquakes in Wellington, New Zealand. International Journal of Disaster Risk Reduction, 2016, 16, 123-133.	1.8	35
25	Title is missing!. , 2014, 10, 185.		32
26	Crustal extension in the Tongariro graben, New Zealand: Insights into volcano-tectonic interactions and active deformation in a young continental rift. Bulletin of the Geological Society of America, 2017, 129, 1085-1099.	1.6	31
27	Developing a suite of multi-hazard volcanic eruption scenarios using an interdisciplinary approach. Journal of Volcanology and Geothermal Research, 2020, 392, 106763.	0.8	31
28	The Last Glacial Maximum in the central North Island, New Zealand: palaeoclimate inferences from glacier modelling. Climate of the Past, 2016, 12, 943-960.	1.3	28
29	Age and eruptive center of the Paeroa Subgroup ignimbrites (Whakamaru Group) within the Taupo Volcanic Zone of New Zealand. Bulletin of the Geological Society of America, 2014, 126, 1131-1144.	1.6	27
30	A Citizen Science Initiative to Understand Community Response to the KaikÅura Earthquake and Tsunami Warning in Petone and Eastbourne, Wellington, Aotearoa/New Zealand. Bulletin of the Seismological Society of America, 2018, 108, 1807-1817.	1.1	27
31	Tsunami awareness and preparedness in Aotearoa New Zealand: The evolution of community understanding. International Journal of Disaster Risk Reduction, 2021, 65, 102576.	1.8	24
32	Palaeomagnetic refinement of the eruption ages of Holocene lava flows, and implications for the eruptive history of the Tongariro Volcanic Centre, New Zealand. Geophysical Journal International, 2016, 207, 702-718.	1.0	23
33	Multi-criteria correlation of tephra deposits to source centres applied in the Auckland Volcanic Field, New Zealand. Bulletin of Volcanology, 2017, 79, 1.	1.1	23
34	The nature and age of Ohakuri Formation and Ohakuri Group rocks in surface exposures and geothermal drillhole sequences in the central Taupo Volcanic Zone, New Zealand. New Zealand Journal of Geology, and Geophysics, 2006, 49, 305-308.	1.0	22
35	Timber-framed building damage from tephra fall and lahar: 2015 Calbuco eruption, Chile. Journal of Volcanology and Geothermal Research, 2019, 374, 142-159.	0.8	22
36	Ruapehu and Tongariro stratovolcanoes: a review of current understanding. New Zealand Journal of Geology, and Geophysics, 2021, 64, 389-420.	1.0	20

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37	Community Understanding of, and Preparedness for, Earthquake and Tsunami Risk in Wellington, New Zealand. Advances in Natural and Technological Hazards Research, 2013, , 131-148.	1.1	20
38	Volcanic ashfall preparedness poster series: a collaborative process for reducing the vulnerability of critical infrastructure. Journal of Applied Volcanology, 2014, 3, .	0.7	19
39	Understanding end-users' perspectives: Towards developing usability guidelines for disaster apps. Progress in Disaster Science, 2020, 7, 100118.	1.4	19
40	Earthquake history at the eastern boundary of the South Taupo Volcanic Zone, New Zealand. New Zealand Journal of Geology, and Geophysics, 2016, 59, 522-543.	1.0	18
41	CAN VOLCANIC ASH POISON WATER SUPPLIES. Integrated Environmental Assessment and Management, 2009, 5, 713.	1.6	16
42	A high resolution 40Ar/39Ar lava chronology and edifice construction history for Tongariro volcano, New Zealand. Journal of Volcanology and Geothermal Research, 2020, 403, 106993.	0.8	15
43	Usability factors influencing the continuance intention of disaster apps: A mixed-methods study. International Journal of Disaster Risk Reduction, 2020, 50, 101874.	1.8	15
44	Modified Usability Framework for Disaster Apps: A Qualitative Thematic Analysis of User Reviews. International Journal of Disaster Risk Science, 2020, 11, 615-629.	1.3	15
45	New petrological, geochemical, and geochronological perspectives on andesite-dacite magma genesis at Ruapehu volcano, New Zealand. American Mineralogist, 2018, 103, 565-581.	0.9	14
46	Stability assessment of the Crater Lake/Te Wai-Ä•moe overflow channel at Mt. Ruapehu (New Zealand), and implications for volcanic lake break-out triggers. Journal of Volcanology and Geothermal Research, 2018, 358, 31-44.	0.8	13
47	Late-glacial and Holocene glacier fluctuations in North Island, New Zealand. Quaternary Science Reviews, 2019, 223, 105914.	1.4	13
48	Os isotopic constraints on crustal contamination in Auckland Volcanic Field basalts, New Zealand. Chemical Geology, 2016, 439, 83-97.	1.4	12
49	More Than Meets the Eye: Volcanic Hazard Map Design and Visual Communication. Advances in Volcanology, 2017, , 621-640.	0.7	11
50	Volcanic ballistic projectile deposition from a continuously erupting volcano: Yasur Volcano, Vanuatu. Volcanica, 2020, 3, 183-204.	0.6	11
51	Assessing urban disaster waste management requirements after volcanic eruptions. International Journal of Disaster Risk Reduction, 2021, 52, 101935.	1.8	10
52	Volcanic hazard map visualisation affects cognition and crisis decision-making. International Journal of Disaster Risk Reduction, 2021, 55, 102102.	1.8	10
53	Challenges and Benefits of Standardising Early Warning Systems: A Case Study of New Zealandâ€™s Volcanic Alert Level System. Advances in Volcanology, 2017, , 601-620.	0.7	9
54	Ar-Ar age constraints on the timing of Havre Trough opening and magmatism. New Zealand Journal of Geology, and Geophysics, 2019, 62, 371-377.	1.0	8

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55	Tephra clean-up after the 2015 eruption of Calbuco volcano, Chile: a quantitative geospatial assessment in four communities. Journal of Applied Volcanology, 2019, 8, .	0.7	7
56	Special issue â€œTowards forecasting phreatic eruptions: examples from Hakone volcano and some global equivalentsâ€• Earth, Planets and Space, 2019, 71, .	0.9	7
57	From anecdotes to quantification: advances in characterizing volcanic eruption impacts on the built environment. Bulletin of Volcanology, 2022, 84, 1.	1.1	7
58	Paleomagnetic evidence for cold emplacement of eruption-fed density current deposits beneath an ancient summit glacier, Tongariro volcano, New Zealand. Earth and Planetary Science Letters, 2019, 522, 155-165.	1.8	6
59	Stretching, Shaking, Inflating: Volcanic-Tectonic Interactions at a Rifting Silicic Caldera. Frontiers in Earth Science, 2022, 10, .	0.8	6
60	TaupÅinflate: illustrating detection limits of magmatic inflation below Lake TaupÅ• New Zealand Journal of Geology, and Geophysics, 2023, 66, 571-588.	1.0	6
61	Developing an effective tsunami warning system: Lessons from the 1960 Chile earthquake tsunami for New Zealand coastal communities. Kotuitui: New Zealand Journal of Social Sciences Online, 2008, 3, 105-120.	0.7	5
62	Tsunami. Encyclopedia of Earth Sciences Series, 2013, , 1036-1046.	0.1	4
63	Organisational Response to the 2007 Ruapehu Crater Lake Dam-Break Lahar in New Zealand: Use of Communication in Creating an Effective Response. Advances in Volcanology, 2017, , 253-269.	0.7	3
64	Chemical and isotopic changes induced by pyrometamorphism in metasedimentary xenoliths at Tongariro volcano, New Zealand. Lithos, 2021, 400-401, 106404.	0.6	3
65	Warning Systems. Encyclopedia of Earth Sciences Series, 2013, , 1091-1096.	0.1	2
66	Characterisation of faults as earthquake sources from geomorphic data in the Tongariro Volcanic Complex, New Zealand. New Zealand Journal of Geology, and Geophysics, 2019, 62, 131-142.	1.0	2
67	Early Warning Systems. Encyclopedia of Earth Sciences Series, 2013, , 207-208.	0.1	2
68	A Methodology for Integrating Tsunami Inundation Modelling into Land Use Planning in New Zealand. Planning Practice and Research, 2015, 30, 15-32.	0.8	1
69	Identifying Pyroclastic Density Currents From Partial Outcrop Exposure on Mt. Ruapehu, New Zealand. Frontiers in Earth Science, 2020, 8, .	0.8	1