Simon Barker

List of Publications by Year in descending order

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30 papers	748 citations	471509 17 h-index	526287 27 g-index
32 all docs	32 docs citations	32 times ranked	770 citing authors

#	Article	IF	Citations
1	TaupÅinflate: illustrating detection limits of magmatic inflation below Lake TaupÅ. New Zealand Journal of Geology, and Geophysics, 2023, 66, 571-588.	1.8	6
2	Post-caldera volcanism reveals shallow priming of an intra-ocean arc andesitic caldera: Hunga volcano, Tonga, SW Pacific. Lithos, 2022, 412-413, 106614.	1.4	38
3	Rifting and recharge as triggers of the mixed basaltâ€“rhyolite HalarauÃ°ur ignimbrite eruption (Krafla,) Tj ETQq1 1 0.784314 rgBT /O	3.1	3
4	Stretching, Shaking, Inflating: Volcanic-Tectonic Interactions at a Rifting Silicic Caldera. Frontiers in Earth Science, 2022, 10, .	1.8	6
5	TaupÅ: an overview of New Zealand's youngest supervolcano. New Zealand Journal of Geology, and Geophysics, 2021, 64, 320-346.	1.8	39
6	Earthquake Analysis Suggests Dyke Intrusion in 2019 Near Tarawera Volcano, New Zealand. Frontiers in Earth Science, 2021, 8, .	1.8	11
7	Volcanic Unrest at TaupÅ•Volcano in 2019: Causes, Mechanisms and Implications. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009803.	2.5	21
8	No single model for supersized eruptions and their magma bodies. Nature Reviews Earth & Environment, 2021, 2, 610-627.	29.7	25
9	The Origin of Rhyolitic Magmas at Krafla Central Volcano (Iceland). Journal of Petrology, 2021, 62, .	2.8	12
10	Tephrochronology and Provenance of an Early Pleistocene (Calabrian) Tephra From IODP Expedition 374 Site U1524, Ross Sea (Antarctica). Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009739.	2.5	3
11	A comment on: magma residence and eruption at the TaupÅ•Volcanic Center (TaupÅ•Volcanic Zone, New) Tj ETQq1 1 0.784314 rgBT / by AS PamukÃ§u et al., Contrib Mineral Petrol 175:48 (2020). Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	3
12	Crustal evolution leading to successive rhyolitic supereruptions in the Jemez Mountains volcanic field, New Mexico, USA. Lithos, 2021, 396-397, 106201.	1.4	8
13	Emplacement of unusual rhyolitic to basaltic ignimbrites during collapse of a basalt-dominated caldera: The HalarauÃ°ur eruption, Krafla (Iceland). Bulletin of the Geological Society of America, 2020, 132, 1881-1902.	3.3	10
14	What lies beneath? Reconstructing the primitive magmas fueling voluminous silicic volcanism using olivine-hosted melt inclusions. Geology, 2020, 48, 504-508.	4.4	41
15	Implications of a Supervolcanoâ€™s Seismicity. Eos, 2020, 101, .	0.1	2
16	Modeling Ash Dispersal From Future Eruptions of Taupo Supervolcano. Geochemistry, Geophysics, Geosystems, 2019, 20, 3375-3401.	2.5	18
17	Textural and micro-analytical insights into maficâ€“felsic interactions during the Oruanui eruption, Taupo. Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	15
18	A cascade of magmatic events during the assembly and eruption of a super-sized magma body. Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	53

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19	Evolution of submarine eruptive activity during the 2011â€“2012 <scp>E</scp>l <scp>H</scp>ierro event as documented by hydroacoustic images and remotely operated vehicle observations. Geochemistry, Geophysics, Geosystems, 2017, 18, 3109-3137.	2.5	40
20	Comment on â€œRapid cooling and cold storage in a silicic magma reservoir recorded in individual crystalsâ€. Science, 2017, 358, .	12.6	13
21	New Volcanic Island Unveils Explosive Past. Eos, 2017, , .	0.1	37
22	Rapid priming, accumulation, and recharge of magma driving recent eruptions at a hyperactive caldera volcano. Geology, 2016, 44, 323-326.	4.4	55
23	Fine-scale temporal recovery, reconstruction and evolution of a post-supereruption magmatic system. Contributions To Mineralogy and Petrology, 2015, 170, 1.	3.1	45
24	Dynamics of deep submarine silicic explosive eruptions in the Kermadec arc, as reflected in pumice vesicularity textures. Journal of Volcanology and Geothermal Research, 2015, 301, 314-332.	2.1	38
25	Bubble development in explosive silicic eruptions: insights from pyroclast vesicularity textures from Raoul volcano (Kermadec arc). Bulletin of Volcanology, 2014, 76, 1.	3.0	23
26	Post-supereruption Magmatic Reconstruction of Taupo Volcano (New Zealand), as Reflected in Zircon Ages and Trace Elements. Journal of Petrology, 2014, 55, 1511-1533.	2.8	49
27	Geochemistry and Petrogenesis of Silicic Magmas in the Intra-Oceanic Kermadec Arc. Journal of Petrology, 2013, 54, 351-391.	2.8	72
28	Highly vesicular pumice generated by buoyant detachment of magma in subaqueous volcanism. Nature Geoscience, 2013, 6, 129-132.	12.9	34
29	Reply to 'Magma balloons or bombs?'. Nature Geoscience, 2013, 6, 803-803.	12.9	0
30	Contrasting pyroclast density spectra from subaerial and submarine silicic eruptions in the Kermadec arc: implications for eruption processes and dredge sampling. Bulletin of Volcanology, 2012, 74, 1425-1443.	3.0	28