Bruce Charlier

List of Publications by Year
in descending order

44 papers	2,928 citations	172457 29 h-index	254184 43 g-index
44 all docs	44 docs citations	44 times ranked	2183 citing authors

#	Article	IF	Citations
1	Rifting and recharge as triggers of the mixed basaltâ€“rhyolite HalarauÃ°ur ignimbrite eruption (Krafla,) Tj ETQq1 1 0.784314 rgBT /Ov	3.1	3
2	TaupÅ: an overview of New Zealand's youngest supervolcano. New Zealand Journal of Geology, and Geophysics, 2021, 64, 320-346.	1.8	39
3	Heating events in the nascent solar system recorded by rare earth element isotopic fractionation in refractory inclusions. Science Advances, 2021, 7, .	10.3	28
4	Survival of presolar p -nuclide carriers in the nebula revealed by stepwise leaching of Allende refractory inclusions. Science Advances, 2021, 7, .	10.3	8
5	A comment on: magma residence and eruption at the TaupÅ•Volcanic Center (TaupÅ•Volcanic Zone, New) Tj ETQq1 1 0.784314 rgBT /O by AS PamukÃ§u et al., Contrib Mineral Petrol 175:48 (2020). Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	3
6	Structure and evolution of the Wairakeiâ€“Tauhara geothermal system (Taupo Volcanic Zone, New) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Research, 2020, 390, 106705.	2.1	16
7	The Huckleberry Ridge Tuff, Yellowstone: evacuation of multiple magmatic systems in a complex episodic eruption. Journal of Petrology, 2019, 60, 1371-1426.	2.8	15
8	Nucleosynthetic, radiogenic and stable strontium isotopic variations in fine- and coarse-grained refractory inclusions from Allende. Geochimica Et Cosmochimica Acta, 2019, 265, 413-430.	3.9	15
9	The hydrothermal evolution of the Kawerau geothermal system, New Zealand. Journal of Volcanology and Geothermal Research, 2018, 353, 114-131.	2.1	8
10	Mafic inputs into the rhyolitic magmatic system of the 2.08 Ma Huckleberry Ridge eruption, Yellowstone. American Mineralogist, 2018, 103, 757-775.	1.9	5
11	The mineralogy, petrology, and composition of anomalous eucrite Emmaville. Meteoritics and Planetary Science, 2017, 52, 656-668.	1.6	10
12	Comment on â€œRapid cooling and cold storage in a silicic magma reservoir recorded in individual crystalsâ€• Science, 2017, 358, .	12.6	13
13	The abundance and isotopic composition of water in eucrites. Meteoritics and Planetary Science, 2016, 51, 1110-1124.	1.6	37
14	The Life and Times of Silicic Volcanic Systems. Elements, 2016, 12, 103-108.	0.5	31
15	Reassessing the stable (Î´88/86Sr) and radiogenic (87Sr/86Sr) strontium isotopic composition of marine inputs. Geochimica Et Cosmochimica Acta, 2015, 157, 125-146.	3.9	89
16	New Perspectives on the Bishop Tuff from Zircon Textures, Ages and Trace Elements. Journal of Petrology, 2014, 55, 395-426.	2.8	96
17	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
18	Temporal evolution and compositional signatures of two supervolcanic systems recorded in zircons from Mangakino volcanic centre, New Zealand. Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	32

#	Article	IF	Citations
19	Uâ€“Pb dating of zircon in hydrothermally altered rocks of the Kawerau Geothermal Field, Taupo Volcanic Zone, New Zealand. Journal of Volcanology and Geothermal Research, 2013, 253, 97-113.	2.1	30
20	Lithium concentration gradients in feldspar and quartz record the final minutes of magma ascent in an explosive supereruption. Earth and Planetary Science Letters, 2012, 319-320, 218-227.	4.4	61
21	High temperature strontium stable isotope behaviour in the early solar system and planetary bodies. Earth and Planetary Science Letters, 2012, 329-330, 31-40.	4.4	72
22	A comment on: â€˜TitaniQ under pressure: the effect of pressure and temperature on the solubility of Ti in quartzâ€™, by Jay B. Thomas, E. Bruce Watson, Frank S. Spear, Philip T. Shemella, Saroj K. Nayak and Antonio Lanzirotti. Contributions To Mineralogy and Petrology, 2012, 164, 359-368.	3.1	39
23	Uâ€“Pb dating of zircon in subsurface, hydrothermally altered pyroclastic deposits and implications for subsidence in a magmatically active rift: Taupo Volcanic Zone, New Zealand. Journal of Volcanology and Geothermal Research, 2010, 191, 69-78.	2.1	24
24	Chronology and Evolution of Caldera-forming and Post-caldera Magma Systems at Okataina Volcano, New Zealand from Zircon Uâ€“Th Model-age Spectra. Journal of Petrology, 2010, 51, 1121-1141.	2.8	52
25	Evidence from zircon U-Pb age spectra for crustal structure and felsic magma genesis at Taupo volcano, New Zealand. Geology, 2010, 38, 915-918.	4.4	30
26	Rapid Rates of Magma Generation at Contemporaneous Magma Systems, Taupo Volcano, New Zealand: Insights from Uâ€“Th Model-age Spectra in Zircons. Journal of Petrology, 2009, 50, 875-907.	2.8	106
27	Rapid open-system assembly of a large silicic magma body: time-resolved evidence from cored plagioclase crystals in the Oruanui eruption deposits, New Zealand. Contributions To Mineralogy and Petrology, 2008, 156, 799-813.	3.1	64
28	Uâ€“Pb dating of zircon in hydrothermally altered rocks as a correlation tool: Application to the Mangakino geothermal field, New Zealand. Journal of Volcanology and Geothermal Research, 2008, 176, 191-198.	2.1	32
29	Mineral-scale Sr isotope variation in plutonic rocks â€” a tool for unravelling the evolution of magma systems. Transactions of the Royal Society of Edinburgh: Earth Sciences, 2008, 97, 357-367.	0.7	24
30	First field evidence of southward ductile flow of Asian crust beneath southern Tibet. Geology, 2007, 35, 727.	4.4	68
31	The Upper Crustal Evolution of a Large Silicic Magma Body: Evidence from Crystal-scale Rbâ€“Sr Isotopic Heterogeneities in the Fish Canyon Magmatic System, Colorado. Journal of Petrology, 2007, 48, 1875-1894.	2.8	83
32	Zircon crystallization and recycling in the magma chamber of the rhyolitic Kos Plateau Tuff (Aegean) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.4	116
33	Isotopic Microsampling of Magmatic Rocks. Elements, 2007, 3, 253-259.	0.5	55
34	Microsampling and Isotopic Analysis of Igneous Rocks: Implications for the Study of Magmatic Systems. Annual Review of Earth and Planetary Sciences, 2007, 35, 273-311.	11.0	384
35	Methods for the microsampling and high-precision analysis of strontium and rubidium isotopes at single crystal scale for petrological and geochronological applications. Chemical Geology, 2006, 232, 114-133.	3.3	246
36	The 26Â·5â€‰ka Oruanui Eruption, Taupo Volcano, New Zealand: Development, Characteristics and Evacuation of a Large Rhyolitic Magma Body. Journal of Petrology, 2006, 47, 35-69.	2.8	164

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37	Extreme U-Th Disequilibrium in Rift-Related Basalts, Rhyolites and Granophyric Granite and the Timescale of Rhyolite Generation, Intrusion and Crystallization at Alid Volcanic Center, Eritrea. Journal of Petrology, 2006, 47, 2105-2122.	2.8	39
38	Mineral isochrons and isotopic fingerprinting: Pitfalls and promises. Geology, 2005, 33, 29.	4.4	34
39	Magma evolution and ascent at volcanic arcs: constraining petrogenetic processes through rates and chronologies. Journal of Volcanology and Geothermal Research, 2005, 140, 171-191.	2.1	78
40	Magma Generation at a Large, Hyperactive Silicic Volcano (Taupo, New Zealand) Revealed by Uâ€“Th and Uâ€“Pb Systematics in Zircons. Journal of Petrology, 2005, 46, 3-32.	2.8	349
41	Crystallisation ages in coeval silicic magma bodies: 238Uâ€“230Th disequilibrium evidence from the Rotoiti and Earthquake Flat eruption deposits, Taupo Volcanic Zone, New Zealand. Earth and Planetary Science Letters, 2003, 206, 441-457.	4.4	94
42	Late Quaternary evolution of a hyperactive rhyolite magmatic system: Taupo volcanic centre, New Zealand. Journal of the Geological Society, 2000, 157, 537-552.	2.1	92
43	Some remarks on Uâ€“Th mineral ages from igneous rocks with prolonged crystallisation histories. Earth and Planetary Science Letters, 2000, 183, 457-469.	4.4	78
44	Stable strontium isotopic heterogeneity in the solar system from double-spike data. Geochemical Perspectives Letters, 0, , 35-40.	5.0	17