

Marco Brenna

List of Publications by Year in descending order

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papers

1,009
citations

471509

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32
all docs

32
docs citations

32
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms driving polymagmatic activity at a monogenetic volcano, Udo, Jeju Island, South Korea. Contributions To Mineralogy and Petrology, 2010, 160, 931-950.	3.1	113
2	Genesis of the world's largest rare earth element deposit, Bayan Obo, China: Protracted mineralization evolution over ~1 b.y.. Geology, 2018, 46, 323-326.	4.4	82
3	How Small-volume Basaltic Magmatic Systems Develop: a Case Study from the Jeju Island Volcanic Field, Korea. Journal of Petrology, 2012, 53, 985-1018.	2.8	78
4	Dynamics of surges generated by hydrothermal blasts during the 6 August 2012 Te Maari eruption, Mt. Tongariro, New Zealand. Journal of Volcanology and Geothermal Research, 2014, 286, 348-366.	2.1	71
5	Perils in distinguishing phreatic from phreatomagmatic ash; insights into the eruption mechanisms of the 6 August 2012 Mt. Tongariro eruption, New Zealand. Journal of Volcanology and Geothermal Research, 2014, 286, 397-414.	2.1	71
6	Spatio-temporal evolution of a dispersed magmatic system and its implications for volcano growth, Jeju Island Volcanic Field, Korea. Lithos, 2012, 148, 337-352.	1.4	70
7	Peridotitic Lithosphere Metasomatized by Volatile-bearing Melts, and its Association with Intraplate Alkaline HIMU-like Magmatism. Journal of Petrology, 2016, 57, 2053-2078.	2.8	56
8	Intraplate volcanism influenced by distal subduction tectonics at Jeju Island, Republic of Korea. Bulletin of Volcanology, 2015, 77, 1.	3.0	52
9	Crystallization kinetics of clinopyroxene and titanomagnetite growing from a trachybasaltic melt: New insights from isothermal time-series experiments. Chemical Geology, 2019, 510, 113-129.	3.3	43
10	Final Magma Storage Depth Modulation of Explosivity and Trachyte-Phonolite Genesis at an Intraplate Volcano: a Case Study from Ulleung Island, South Korea. Journal of Petrology, 2014, 55, 709-747.	2.8	41
11	Olivine xenocryst diffusion reveals rapid monogenetic basaltic magma ascent following complex storage at Pupuke Maar, Auckland Volcanic Field, New Zealand. Earth and Planetary Science Letters, 2018, 499, 13-22.	4.4	41
12	The influence of magma plumbing complexity on monogenetic eruptions, Jeju Island, Korea. Terra Nova, 2011, 23, 70-75.	2.1	40
13	Volcanic ash leachate compositions and assessment of health and agricultural hazards from 2012 hydrothermal eruptions, Tongariro, New Zealand. Journal of Volcanology and Geothermal Research, 2014, 286, 233-247.	2.1	35
14	Vesiculation and Quenching During Surtseyan Eruptions at Hunga Tonga-Hunga Ha'apai Volcano, Tonga. Journal of Geophysical Research: Solid Earth, 2018, 123, 3762-3779.	3.4	34
15	Diffusion-zoned pyroxenes in an isotopically heterogeneous mantle lithosphere beneath the Dunedin Volcanic Group, New Zealand, and their implications for intraplate alkaline magma sources. Lithosphere, 2017, 9, 463-475.	1.4	30
16	The Dunedin Volcanic Group and a revised model for Zealandia's alkaline intraplate volcanism. New Zealand Journal of Geology, and Geophysics, 2020, 63, 510-529.	1.8	24
17	Co-located monogenetic eruptions ~200 kyr apart driven by tapping vertically separated mantle source regions, Chagwido, Jeju Island, Republic of Korea. Bulletin of Volcanology, 2015, 77, 1.	3.0	23
18	Carbon-Strontium Isotope Decoupling in Carbonatites from Caotan (Qinling, China): Implications for the Origin of Calcite Carbonatite in Orogenic Settings. Journal of Petrology, 2020, 61, .	2.8	23

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19	A trachyte-syenite core within a basaltic nest: filtering of primitive injections by a multi-stage magma plumbing system (Oki-DÅzen, south-west Japan). Contributions To Mineralogy and Petrology, 2015, 170, 1.	3.1	19
20	Modern analogues for Miocene to Pleistocene alkali basaltic phreatomagmatic fields in the Pannonian Basin: soft-substrate to combined aquifer controlled phreatomagmatism in intraplate volcanic fields Research Article. Open Geosciences, 2010, 2, .	1.7	15
21	Post-Mineralization, Cogenetic Magmatism at the Sungun Cu-Mo Porphyry Deposit (Northwest Iran): Protracted Melting and Extraction in an Arc System. Minerals (Basel, Switzerland), 2018, 8, 588.	2.0	11
22	The magma source of small-scale intraplate monogenetic volcanic systems in northern New Zealand. Journal of Volcanology and Geothermal Research, 2021, 418, 107326.	2.1	6
23	Intra-eruptive trachyte-phonolite transition: Natural evidence and experimental constraints on the role of crystal mushes. American Mineralogist, 2019, 104, 1750-1764.	1.9	5
24	Influence of host magma alkalinity on trachytic melts formed during incongruent orthopyroxene dissolution in mantle xenoliths. New Zealand Journal of Geology, and Geophysics, 2020, 63, 547-561.	1.8	5
25	Mineralogy, mineral chemistry and thermobarometry of post-mineralization dykes of the Sungun Cu-Mo porphyry deposit (Northwest Iran). Open Geosciences, 2020, 12, 764-790.	1.7	5
26	Conceptual Development of a National Volcanic Hazard Model for New Zealand. Frontiers in Earth Science, 2017, 5, .	1.8	3
27	Dyke-diatreme transition in monogenetic volcanoes: insights from the Hillier Bay volcanic complex, Western Australia. Bulletin of Volcanology, 2014, 76, 1.	3.0	2
28	Seismic crustal structure beneath Jeju Volcanic Island, South Korea from teleseismic P-receiver functions. Geophysical Journal International, 2021, 227, 58-75.	2.4	1
29	Pre-eruption magma staging at the long-lived intraplate Dunedin Volcano, New Zealand. Terra Nova, 0, , .	2.1	1
30	Mantle heterogeneity controls on small-volume basaltic volcanism: COMMENT. Geology, 2015, 43, e370-e370.	4.4	0