

# Marco Brenna

## List of Publications by Year in descending order

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30  
papers

1,009  
citations

471509

17  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic crustal structure beneath Jeju Volcanic Island, South Korea from teleseismic $P$ -receiver functions. <i>Geophysical Journal International</i> , 2021, 227, 58-75.	2.4	1
2	The magma source of small-scale intraplate monogenetic volcanic systems in northern New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 418, 107326.	2.1	6
3	Influence of host magma alkalinity on trachytic melts formed during incongruent orthopyroxene dissolution in mantle xenoliths. <i>New Zealand Journal of Geology, and Geophysics</i> , 2020, 63, 547-561.	1.8	5
4	Carbonate-Strontium Isotope Decoupling in Carbonatites from Caotan (Qinling, China): Implications for the Origin of Calcite Carbonatite in Orogenic Settings. <i>Journal of Petrology</i> , 2020, 61, .	2.8	23
5	The Dunedin Volcanic Group and a revised model for Zealandia's alkaline intraplate volcanism. <i>New Zealand Journal of Geology, and Geophysics</i> , 2020, 63, 510-529.	1.8	24
6	Mineralogy, mineral chemistry and thermobarometry of post-mineralization dykes of the Sungun Cu-Mo porphyry deposit (Northwest Iran). <i>Open Geosciences</i> , 2020, 12, 764-790.	1.7	5
7	Crystallization kinetics of clinopyroxene and titanomagnetite growing from a trachybasaltic melt: New insights from isothermal time-series experiments. <i>Chemical Geology</i> , 2019, 510, 113-129.	3.3	43
8	Intra-eruptive trachyte-phonolite transition: Natural evidence and experimental constraints on the role of crystal mushes. <i>American Mineralogist</i> , 2019, 104, 1750-1764.	1.9	5
9	Genesis of the world's largest rare earth element deposit, Bayan Obo, China: Protracted mineralization evolution over $\sim 41$ b.y.. <i>Geology</i> , 2018, 46, 323-326.	4.4	82
10	Post-Mineralization, Cogenetic Magmatism at the Sungun Cu-Mo Porphyry Deposit (Northwest Iran): Protracted Melting and Extraction in an Arc System. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 588.	2.0	11
11	Vesiculation and Quenching During Surtseyan Eruptions at Hunga Tonga-Hunga Ha'apai Volcano, Tonga. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3762-3779.	3.4	34
12	Olivine xenocryst diffusion reveals rapid monogenetic basaltic magma ascent following complex storage at Pupuke Maar, Auckland Volcanic Field, New Zealand. <i>Earth and Planetary Science Letters</i> , 2018, 499, 13-22.	4.4	41
13	Diffusion-zoned pyroxenes in an isotopically heterogeneous mantle lithosphere beneath the Dunedin Volcanic Group, New Zealand, and their implications for intraplate alkaline magma sources. <i>Lithosphere</i> , 2017, 9, 463-475.	1.4	30
14	Conceptual Development of a National Volcanic Hazard Model for New Zealand. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	3
15	Peridotitic Lithosphere Metasomatized by Volatile-bearing Melts, and its Association with Intraplate Alkaline HIMU-like Magmatism. <i>Journal of Petrology</i> , 2016, 57, 2053-2078.	2.8	56
16	Mantle heterogeneity controls on small-volume basaltic volcanism: COMMENT. <i>Geology</i> , 2015, 43, e370-e370.	4.4	0
17	Co-located monogenetic eruptions $\sim 200$ kyr apart driven by tapping vertically separated mantle source regions, Chagwido, Jeju Island, Republic of Korea. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	23
18	Intraplate volcanism influenced by distal subduction tectonics at Jeju Island, Republic of Korea. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	52

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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). <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	3.1	19
20	Volcanic ash leachate compositions and assessment of health and agricultural hazards from 2012 hydrothermal eruptions, Tongariro, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 286, 233-247.	2.1	35
21	Final Magma Storage Depth Modulation of Explosivity and Trachyte-Phonolite Genesis at an Intraplate Volcano: a Case Study from Ulleung Island, South Korea. <i>Journal of Petrology</i> , 2014, 55, 709-747.	2.8	41
22	Dynamics of surges generated by hydrothermal blasts during the 6 August 2012 Te Maari eruption, Mt. Tongariro, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 286, 348-366.	2.1	71
23	Dyke-diatreme transition in monogenetic volcanoes: insights from the Hillier Bay volcanic complex, Western Australia. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	2
24	Perils in distinguishing phreatic from phreatomagmatic ash; insights into the eruption mechanisms of the 6 August 2012 Mt. Tongariro eruption, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 286, 397-414.	2.1	71
25	How Small-volume Basaltic Magmatic Systems Develop: a Case Study from the Jeju Island Volcanic Field, Korea. <i>Journal of Petrology</i> , 2012, 53, 985-1018.	2.8	78
26	Spatio-temporal evolution of a dispersed magmatic system and its implications for volcano growth, Jeju Island Volcanic Field, Korea. <i>Lithos</i> , 2012, 148, 337-352.	1.4	70
27	The influence of magma plumbing complexity on monogenetic eruptions, Jeju Island, Korea. <i>Terra Nova</i> , 2011, 23, 70-75.	2.1	40
28	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 <i>Research Article. Open Geosciences</i> , 2010, 2, .	1.7	15
29	Mechanisms driving polymagmatic activity at a monogenetic volcano, Udo, Jeju Island, South Korea. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 931-950.	3.1	113
30	Pre-eruption magma staging at the long-lived intraplate Dunedin Volcano, New Zealand. <i>Terra Nova</i> , 0, , .	2.1	1