Eniko Bali

List of Publications by Year
in descending order

41 papers	1,369 citations	430874 18 h-index	345221 36 g-index
43 all docs	43 docs citations	43 times ranked	1653 citing authors

#	Article	IF	Citations
1	Boron isotope evidence for devolatilized and rehydrated recycled materials in the Icelandic mantle source. Earth and Planetary Science Letters, 2022, 577, 117229.	4.4	6
2	Reservoir characterization of the Paka geothermal system in Kenya: Insights from borehole PK-01. Geothermics, 2022, 98, 102293.	3.4	1
3	Oxygen isotope evidence for progressively assimilating trans-crustal magma plumbing systems in Iceland. Geology, 2022, 50, 796-800.	4.4	6
4	Eruptive history and volcano-tectonic evolution of Paka volcanic complex in the northern Kenya rift: Insights into the geothermal heat source. Journal of African Earth Sciences, 2021, 173, 103951.	2.0	7
5	Conditions and Dynamics of Magma Storage in the SnÃ¦fellsnes Volcanic Zone, Western Iceland: Insights from the BÃºÃ°ahraun and Berserkjahraun Eruptions. Journal of Petrology, 2021, 62, .	2.8	5
6	Melt-rock interaction in the lower crust based on silicate melt inclusions in mafic garnet granulite xenoliths, Bakonyâ€“Balaton Highland. Geologica Carpathica, 2021, 72, .	0.7	4
7	Timescales of crystal mush mobilization in the BÃ¡rÃ°arbunga-VeiÃ°ivÃ¶tn volcanic system based on olivine diffusion chronometry. American Mineralogist, 2021, 106, 1083-1096.	1.9	11
8	Partial melt generation and evolution of magma reservoir conditions at the Paka volcanic complex in Kenya: Constraints from geochemistry, petrology and geophysics. Lithos, 2021, 400-401, 106385.	1.4	3
9	Temporal evolution of magma and crystal mush storage conditions in the BÃ¡rÃ°arbunga-VeiÃ°ivÃ¶tn volcanic system, Iceland. Lithos, 2020, 352-353, 105234.	1.4	11
10	Geothermal energy and ore-forming potential of 600 Â°C mid-ocean-ridge hydrothermal fluids. Geology, 2020, 48, 1221-1225.	4.4	13
11	Geochemical evolution of the lithospheric mantle beneath the Styrian Basin (Western Pannonian) Tj ETQq1 1 0.784314 rgBT /Overloc	1.4	4
12	Carbonatite and highly peralkaline nephelinite melts from Oldoinyo Lengai Volcano, Tanzania: The role of natrite-normative fluid degassing. Gondwana Research, 2020, 85, 76-83.	6.0	18
13	A Data Driven Approach to Investigate the Chemical Variability of Clinopyroxenes From the 2014â€“2015 Holuhraunâ€“BÃ¡rdarbunga Eruption (Iceland). Frontiers in Earth Science, 2020, 8, .	1.8	14
14	Properties of dust source material and volcanic ash in Iceland. Sedimentology, 2020, 67, 3067-3087.	3.1	16
15	Clinopyroxeneâ€“Liquid Equilibria and Geothermobarometry in Natural and Experimental Tholeiites: the 2014â€“2015 Holuhraun Eruption, Iceland. Journal of Petrology, 2019, 60, 1653-1680.	2.8	61
16	Natrocarbonatites: A hidden product of three-phase immiscibility. Geology, 2019, 47, 527-530.	4.4	21
17	Signature of deep mantle melting in South Iceland olivine. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	16
18	Crustal magma storage and fractionation of EyjafjallajÃ¶kull ankaramites, South Iceland. Jokull, 2019, 69, 83-102.	0.1	5

#	Article	IF	Citations
19	Melt inclusion constraints on petrogenesis of the 2014â€“2015 Holuhraun eruption, Iceland. Contributions To Mineralogy and Petrology, 2018, 173, 10.	3.1	51
20	Melt inclusion constraints on volatile systematics and degassing history of the 2014â€“2015 Holuhraun eruption, Iceland. Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	32
21	Petrology and geochemistry of the 2014â€“2015 Holuhraun eruption, central Iceland: compositional and mineralogical characteristics, temporal variability and magma storage. Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	38
22	Zircon and apatite-bearing pyroxene hornblendite mantle xenolith from Hungary, Carpathian-Pannonian region. Lithos, 2018, 316-317, 19-32.	1.4	6
23	Gradual caldera collapse at BÃ¡rdarbunga volcano, Iceland, regulated by lateral magma outflow. Science, 2016, 353, aaf8988.	12.6	230
24	Next article >> << Previous article Environmental pressure from the 2014â€“15 eruption of BÃ¡rÃ°arbunga volcano, Iceland. Geochemical Perspectives Letters, 2015, , 84-93.	5.0	90
25	Water and hydrogen are immiscible in Earthâ€™s mantle. Nature, 2013, 495, 220-222.	27.8	62
26	The mobility of W and Mo in subduction zone fluids and the Moâ€“Wâ€“Thâ€“U systematics of island arc magmas. Earth and Planetary Science Letters, 2012, 351-352, 195-207.	4.4	115
27	Uranium-ore giants. Nature Geoscience, 2012, 5, 96-97.	12.9	5
28	The mobility of U and Th in subduction zone fluids: an indicator of oxygen fugacity and fluid salinity. Contributions To Mineralogy and Petrology, 2011, 161, 597-613.	3.1	76
29	Symplectite formation during decompression induced garnet breakdown in lower crustal mafic granulite xenoliths: mechanisms and rates. Contributions To Mineralogy and Petrology, 2010, 159, 293-314.	3.1	46
30	A new technique to seal volatile-rich samples into platinum capsules. European Journal of Mineralogy, 2010, 22, 23-27.	1.3	10
31	Meltâ€“wall rock interaction in the mantle shown by silicate melt inclusions in peridotite xenoliths from the central Pannonian Basin (western Hungary). Island Arc, 2009, 18, 375-400.	1.1	15
32	Primary carbonatite melt inclusions in apatite and in K-feldspar of clinopyroxene-rich mantle xenoliths hosted in lamprophyre dikes (Hungary). Mineralogy and Petrology, 2008, 94, 225-242.	1.1	23
33	A micro-scale investigation of melt production and extraction in the upper mantle based on silicate melt pockets in ultramafic xenoliths from the Bakonyâ€“Balaton Highland Volcanic Field (Western) Tj ETQq1 1 0.784314 rgBT /Overlo	3.4	26
34	Pressure and temperature dependence of H solubility in forsterite: An implication to water activity in the Earth interior. Earth and Planetary Science Letters, 2008, 268, 354-363.	4.4	86
35	A Quartz-bearing Orthopyroxene-rich Websterite Xenolith from the Pannonian Basin, Western Hungary: Evidence for Release of Quartz-saturated Melts from a Subducted Slab. Journal of Petrology, 2008, 49, 421-439.	2.8	27
36	Paleogeneâ€“early Miocene igneous rocks and geodynamics of the Alpine-Carpathian-Pannonian-Dinaric region: An integrated approach. , 2007, , .		23

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37	Remnants of boninitic melts in the upper mantle beneath the central Pannonian Basin?. Mineralogy and Petrology, 2007, 90, 51-72.	1.1	28
38	Composition and evolution of lithosphere beneath the Carpathianâ€“Pannonian Region: a review. Tectonophysics, 2004, 393, 119-137.	2.2	77
39	Sr?barite droplets associated with sulfide blebs in clinopyroxene megacrysts from basaltic tuff (Szentbï¿½kkï¿½lla, western Hungary). Lithos, 2003, 66, 275-289.	1.4	19
40	Significance of silicate melt pockets in upper mantle xenoliths from the Bakonyâ€“Balaton Highland Volcanic Field, Western Hungary. Lithos, 2002, 61, 79-102.	1.4	60
41	Warm and slightly reduced mantle under the off-rift SnÃ¦fellsnes Volcanic Zone, Iceland. Journal of Petrology, 0, , .	2.8	2