

Eniko Bali

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1095806/publications.pdf>

Version: 2024-02-01

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	Gradual caldera collapse at Bárðarbunga volcano, Iceland, regulated by lateral magma outflow. <i>Science</i> , 2016, 353, aaf8988.	12.6	230
2	The mobility of W and Mo in subduction zone fluids and the Mo-W-Th-U systematics of island arc magmas. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 195-207.	4.4	115
3	Next article >> << Previous article Environmental pressure from the 2014-15 eruption of Bárðarbunga volcano, Iceland. <i>Geochemical Perspectives Letters</i> , 2015, , 84-93.	5.0	90
4	Pressure and temperature dependence of H solubility in forsterite: An implication to water activity in the Earth interior. <i>Earth and Planetary Science Letters</i> , 2008, 268, 354-363.	4.4	86
5	Composition and evolution of lithosphere beneath the Carpathian-Pannonian Region: a review. <i>Tectonophysics</i> , 2004, 393, 119-137.	2.2	77
6	The mobility of U and Th in subduction zone fluids: an indicator of oxygen fugacity and fluid salinity. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 597-613.	3.1	76
7	Water and hydrogen are immiscible in Earth's mantle. <i>Nature</i> , 2013, 495, 220-222.	27.8	62
8	Clinopyroxene-Liquid Equilibria and Geothermobarometry in Natural and Experimental Tholeiites: the 2014-2015 Holuhraun Eruption, Iceland. <i>Journal of Petrology</i> , 2019, 60, 1653-1680.	2.8	61
9	Significance of silicate melt pockets in upper mantle xenoliths from the Bakony-Balaton Highland Volcanic Field, Western Hungary. <i>Lithos</i> , 2002, 61, 79-102.	1.4	60
10	Melt inclusion constraints on petrogenesis of the 2014-2015 Holuhraun eruption, Iceland. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 10.	3.1	51
11	Symplectite formation during decompression induced garnet breakdown in lower crustal mafic granulite xenoliths: mechanisms and rates. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 293-314.	3.1	46
12	Petrology and geochemistry of the 2014-2015 Holuhraun eruption, central Iceland: compositional and mineralogical characteristics, temporal variability and magma storage. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	38
13	Melt inclusion constraints on volatile systematics and degassing history of the 2014-2015 Holuhraun eruption, Iceland. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	32
14	Remnants of boninitic melts in the upper mantle beneath the central Pannonian Basin?. <i>Mineralogy and Petrology</i> , 2007, 90, 51-72.	1.1	28
15	A Quartz-bearing Orthopyroxene-rich Websterite Xenolith from the Pannonian Basin, Western Hungary: Evidence for Release of Quartz-saturated Melts from a Subducted Slab. <i>Journal of Petrology</i> , 2008, 49, 421-439.	2.8	27
16	A micro-scale investigation of melt production and extraction in the upper mantle based on silicate melt pockets in ultramafic xenoliths from the Bakony-Balaton Highland Volcanic Field (Western) Tj ETQq0 0 0 rg8I/Overlark 10 Tf 50		
17	Paleogene-early Miocene igneous rocks and geodynamics of the Alpine-Carpathian-Pannonian-Dinaric region: An integrated approach. , 2007, , .		23
18	Primary carbonatite melt inclusions in apatite and in K-feldspar of clinopyroxene-rich mantle xenoliths hosted in lamprophyre dikes (Hungary). <i>Mineralogy and Petrology</i> , 2008, 94, 225-242.	1.1	23

#	ARTICLE	IF	CITATIONS
19	Natrocronatites: A hidden product of three-phase immiscibility. <i>Geology</i> , 2019, 47, 527-530.	4.4	21
20	Sr-barite droplets associated with sulfide blebs in clinopyroxene megacrysts from basaltic tuff (Szentbilylla, western Hungary). <i>Lithos</i> , 2003, 66, 275-289.	1.4	19
21	Carbonatite and highly peralkaline nephelinite melts from Oldoinyo Lengai Volcano, Tanzania: The role of natrite-normative fluid degassing. <i>Gondwana Research</i> , 2020, 85, 76-83.	6.0	18
22	Signature of deep mantle melting in South Iceland olivine. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	16
23	Properties of dust source material and volcanic ash in Iceland. <i>Sedimentology</i> , 2020, 67, 3067-3087.	3.1	16
24	Melt-wall rock interaction in the mantle shown by silicate melt inclusions in peridotite xenoliths from the central Pannonian Basin (western Hungary). <i>Island Arc</i> , 2009, 18, 375-400.	1.1	15
25	A Data Driven Approach to Investigate the Chemical Variability of Clinopyroxenes From the 2014-2015 Holuhraun-Bardarbunga Eruption (Iceland). <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	14
26	Geothermal energy and ore-forming potential of 600 °C mid-ocean-ridge hydrothermal fluids. <i>Geology</i> , 2020, 48, 1221-1225.	4.4	13
27	Temporal evolution of magma and crystal mush storage conditions in the Bardarbunga-Veiivtn volcanic system, Iceland. <i>Lithos</i> , 2020, 352-353, 105234.	1.4	11
28	Timescales of crystal mush mobilization in the Bardarbunga-Veiivtn volcanic system based on olivine diffusion chronometry. <i>American Mineralogist</i> , 2021, 106, 1083-1096.	1.9	11
29	A new technique to seal volatile-rich samples into platinum capsules. <i>European Journal of Mineralogy</i> , 2010, 22, 23-27.	1.3	10
30	Eruptive history and volcano-tectonic evolution of Paka volcanic complex in the northern Kenya rift: Insights into the geothermal heat source. <i>Journal of African Earth Sciences</i> , 2021, 173, 103951.	2.0	7
31	Zircon and apatite-bearing pyroxene hornblende mantle xenolith from Hungary, Carpathian-Pannonian region. <i>Lithos</i> , 2018, 316-317, 19-32.	1.4	6
32	Boron isotope evidence for devolatilized and rehydrated recycled materials in the Icelandic mantle source. <i>Earth and Planetary Science Letters</i> , 2022, 577, 117229.	4.4	6
33	Oxygen isotope evidence for progressively assimilating trans-crustal magma plumbing systems in Iceland. <i>Geology</i> , 2022, 50, 796-800.	4.4	6
34	Uranium-ore giants. <i>Nature Geoscience</i> , 2012, 5, 96-97.	12.9	5
35	Conditions and Dynamics of Magma Storage in the Snfellnes Volcanic Zone, Western Iceland: Insights from the Ahraun and Berserkjahraun Eruptions. <i>Journal of Petrology</i> , 2021, 62, .	2.8	5
36	Crustal magma storage and fractionation of Eyjafjallajkull ankaramites, South Iceland. <i>Jokull</i> , 2019, 69, 83-102.	0.1	5

#	ARTICLE	IF	CITATIONS
37	Geochemical evolution of the lithospheric mantle beneath the Styrian Basin (Western Pannonian) Tj ETQq1 1 0.784314 rgBT 4/Overlo	1.4	4
38	Melt-rock interaction in the lower crust based on silicate melt inclusions in mafic garnet granulite xenoliths, Bakonyâ€“Balaton Highland. <i>Geologica Carpathica</i> , 2021, 72, .	0.7	4
39	Partial melt generation and evolution of magma reservoir conditions at the Paka volcanic complex in Kenya: Constraints from geochemistry, petrology and geophysics. <i>Lithos</i> , 2021, 400-401, 106385.	1.4	3
40	Warm and slightly reduced mantle under the off-rift SnÃ fellsnes Volcanic Zone, Iceland. <i>Journal of Petrology</i> , 0, , .	2.8	2
41	Reservoir characterization of the Paka geothermal system in Kenya: Insights from borehole PK-01. <i>Geothermics</i> , 2022, 98, 102293.	3.4	1