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List of Publications by Year
in descending order

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30 papers	1,345 citations	331538 21 h-index	454834 30 g-index
30 all docs	30 docs citations	30 times ranked	1739 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.	1.8	6
2	Evidence from gas-rich ultramafic xenoliths for Superplume-derived recycled volatiles in the East African sub-continental mantle. Chemical Geology, 2022, 589, 120682.	1.4	2
3	Seismic Volcanostratigraphy: The Key to Resolving the Jan Mayen Microcontinent and Iceland Plateau Rift Evolution. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	3
4	Ancient and recycled sulfur sampled by the Iceland mantle plume. Earth and Planetary Science Letters, 2022, 584, 117452.	1.8	8
5	Spatial distribution and geochemical characterization of Icelandic mantle end-members: Implications for plume geometry and melting processes. Chemical Geology, 2022, 604, 120930.	1.4	6
6	Linking deeply-sourced volatile emissions to plateau growth dynamics in southeastern Tibetan Plateau. Nature Communications, 2021, 12, 4157.	5.8	42
7	The Mercury Isotopic Composition of Earth's Mantle and the Use of Mass Independently Fractionated Hg to Test for Recycled Crust. Geophysical Research Letters, 2021, 48, e2021GL094301.	1.5	33
8	High ³ He/ ⁴ He in central Panama reveals a distal connection to the GalÃ¡pagos plume. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
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.	0.6	11
10	Ancient helium and tungsten isotopic signatures preserved in mantle domains least modified by crustal recycling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30993-31001.	3.3	41
11	Unexpected large eruptions from buoyant magma bodies within viscoelastic crust. Nature Communications, 2020, 11, 2403.	5.8	29
12	Hot and Heterogenous Highâ€‹³He/⁴He Components: New Constraints From Protoâ€‹Iceland Plume Lavas From Baffin Island. Geochemistry, Geophysics, Geosystems, 2019, 20, 5939-5967.	1.0	15
13	Clinopyroxeneâ€“Liquid Equilibria and Geothermobarometry in Natural and Experimental Tholeiites: the 2014â€“2015 Holuhraun Eruption, Iceland. Journal of Petrology, 2019, 60, 1653-1680.	1.1	61
14	Melt inclusion constraints on petrogenesis of the 2014â€“2015 Holuhraun eruption, Iceland. Contributions To Mineralogy and Petrology, 2018, 173, 10.	1.2	51
15	Spatial distribution of helium isotopes in Icelandic geothermal fluids and volcanic materials with implications for location, upwelling and evolution of the Icelandic mantle plume. Chemical Geology, 2018, 480, 12-27.	1.4	33
16	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.	1.2	38
17	Magma reservoir dynamics at Toba caldera, Indonesia, recorded by oxygen isotope zoning in quartz. Scientific Reports, 2017, 7, 40624.	1.6	36
18	Isotope systematics of Icelandic thermal fluids. Journal of Volcanology and Geothermal Research, 2017, 337, 146-164.	0.8	47

#	Article	IF	Citations
19	Subducted lithosphere controls halogen enrichments in the Iceland mantle plume source. Geology, 2016, 44, 679-682.	2.0	32
20	Gradual caldera collapse at BÃ¡rdarbunga volcano, Iceland, regulated by lateral magma outflow. Science, 2016, 353, aaf8988.	6.0	230
21	Recycling of crustal material by the Iceland mantle plume: New evidence from nitrogen elemental and isotope systematics of subglacial basalts. Geochimica Et Cosmochimica Acta, 2016, 176, 206-226.	1.6	34
22	Evidence for primordial water in Earthâ€™s deep mantle. Science, 2015, 350, 795-797.	6.0	159
23	New paleointensity results from rapidly cooled Icelandic lavas: Implications for Arctic geomagnetic field strength. Journal of Geophysical Research: Solid Earth, 2015, 120, 2913-2934.	1.4	29
24	Carbon isotope and abundance systematics of Icelandic geothermal gases, fluids and subglacial basalts with implications for mantle plume-related CO2 fluxes. Geochimica Et Cosmochimica Acta, 2014, 134, 74-99.	1.6	107
25	A common mantle plume source beneath the entire East African Rift System revealed by coupled helium-neon systematics. Geophysical Research Letters, 2014, 41, 2304-2311.	1.5	72
26	Resolving volatile sources along the western Sunda arc, Indonesia. Chemical Geology, 2013, 339, 263-282.	1.4	30
27	Spatial variations in gas and stable isotope compositions of thermal fluids around Lake Van: Implications for crustâ€“mantle dynamics in eastern Turkey. Chemical Geology, 2012, 300-301, 165-176.	1.4	24
28	High precision nitrogen isotope measurements in oceanic basalts using a static triple collection noble gas mass spectrometer. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	20
29	Helium isotopes at Rungwe Volcanic Province, Tanzania, and the origin of East African Plateaux. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	67
30	Isotopic-heterogeneity of the Thjorsa lavaâ€”Implications for mantle sources and crustal processes within the Eastern Rift Zone, Iceland. Chemical Geology, 2008, 255, 305-316.	1.4	67