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List of Publications by Year
in descending order

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28	2,043	361413	477307
papers	citations	20 h-index	29 g-index

29	29	29	1512
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shock-induced H loss from pyroxene and maskelynite in a Martian meteorite and the mantle source ÎD of enriched shergottites. Geochimica Et Cosmochimica Acta, 2022, 317, 201-217.	3.9	3
2	Metasomatic control of hydrogen contents in the layered cratonic mantle lithosphere sampled by Lac de Gras xenoliths in the central Slave craton, Canada. Geochimica Et Cosmochimica Acta, 2020, 286, 29-53.	3.9	13
3	The origins of water. Science, 2020, 369, 1058-1058.	12.6	10
4	Metasomatism and Hydration of the Oceanic Lithosphere: a Case Study of Peridotite Xenoliths from Samoa. Journal of Petrology, 2020, 61, .	2.8	11
5	Determination of the water content and D/H ratio of the martian mantle by unraveling degassing and crystallization effects in nakhlites. Geochimica Et Cosmochimica Acta, 2019, 266, 382-415.	3.9	18
6	Effects of melting, subduction-related metasomatism, and sub-solidus equilibration on the distribution of water contents in the mantle beneath the Rio Grande Rift. Geochimica Et Cosmochimica Acta, 2019, 266, 351-381.	3.9	11
7	Water and Oxygen Fugacity in the Lithospheric Mantle Wedge beneath the Northern Canadian Cordillera (Alligator Lake). Geochemistry, Geophysics, Geosystems, 2018, 19, 3844-3869.	2.5	13
8	A heterogeneous lunar interior for hydrogen isotopes as revealed by the lunar highlands samples. Earth and Planetary Science Letters, 2017, 473, 14-23.	4.4	36
9	Water in the Earthâ€™s Interior: Distribution and Origin. Space Science Reviews, 2017, 212, 743-810.	8.1	139
10	Water in the Earthâ€™s Interior: Distribution and Origin. Space Sciences Series of ISSI, 2017, , 83-150.	0.0	2
11	Evaluating crustal contributions to enriched shergottites from the petrology, trace elements, and Rb-Sr and Sm-Nd isotope systematics of Northwest Africa 856. Geochimica Et Cosmochimica Acta, 2017, 211, 280-306.	3.9	22
12	Olivine inclusions in Siberian diamonds and mantle xenoliths: Contrasting water and trace-element contents. Lithos, 2016, 265, 31-41.	1.4	26
13	Low water contents in diamond mineral inclusions: Proto-genetic origin in a dry cratonic lithosphere. Earth and Planetary Science Letters, 2016, 433, 125-132.	4.4	31
14	Plumeâ€cratonic lithosphere interaction recorded by water and other trace elements in peridotite xenoliths from the <scp>L</scp>abait volcano, <scp>T</scp>anzania. Geochemistry, Geophysics, Geosystems, 2015, 16, 1687-1710.	2.5	34
15	Water in <scp>H</scp>awaiian peridotite minerals: A case for a dry metasomatized oceanic mantle lithosphere. Geochemistry, Geophysics, Geosystems, 2015, 16, 1211-1232.	2.5	51
16	Water disequilibrium in olivines from Hawaiian peridotites: Recent metasomatism, H diffusion and magma ascent rates. Geochimica Et Cosmochimica Acta, 2015, 154, 98-117.	3.9	74
17	Water in Hawaiian garnet pyroxenites: Implications for water heterogeneity in the mantle. Chemical Geology, 2015, 397, 61-75.	3.3	59
18	High water contents in the Siberian cratonic mantle linked to metasomatism: An FTIR study of Udachnaya peridotite xenoliths. Geochimica Et Cosmochimica Acta, 2014, 137, 159-187.	3.9	126

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19	Metasomatic control of water contents in the Kaapvaal cratonic mantle. Geochimica Et Cosmochimica Acta, 2012, 97, 213-246.	3.9	88
20	A review of water contents of nominally anhydrous natural minerals in the mantles of Earth, Mars and the Moon. Journal of Volcanology and Geothermal Research, 2010, 197, 239-258.	2.1	180
21	Olivine water contents in the continental lithosphere and the longevity of cratons. Nature, 2010, 467, 78-81.	27.8	235
22	Crystallization, melt inclusion, and redox history of a Martian meteorite: Olivine-phyric shergottite Larkman Nunatak 06319. Geochimica Et Cosmochimica Acta, 2010, 74, 4543-4576.	3.9	89
23	Trace element systematics and 147Smâ€“143Nd and 176Luâ€“176Hf ages of Larkman Nunatak 06319: Closed-system fractional crystallization of an enriched shergottite magma. Geochimica Et Cosmochimica Acta, 2010, 74, 7307-7328.	3.9	61
24	Water contents in mantle xenoliths from the Colorado Plateau and vicinity: Implications for the mantle rheology and hydrationâ€induced thinning of continental lithosphere. Journal of Geophysical Research, 2008, 113, .	3.3	206
25	Fast kimberlite ascent rates estimated from hydrogen diffusion profiles in xenolithic mantle olivines from southern Africa. Geochimica Et Cosmochimica Acta, 2008, 72, 2711-2722.	3.9	146
26	Low water contents in pyroxenes from spinel-peridotites of the oxidized, sub-arc mantle wedge. Earth and Planetary Science Letters, 2002, 201, 69-86.	4.4	200
27	Os isotopic systematics in mantle xenoliths; age constraints on the Canadian Cordillera lithosphere. Chemical Geology, 2000, 166, 85-101.	3.3	87
28	Reâ€“Os constraints on harzburgite and lherzolite formation in the lithospheric mantle: a study of northern Canadian Cordillera xenoliths. Geochimica Et Cosmochimica Acta, 2000, 64, 3061-3071.	3.9	71