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List of Publications by Year in descending order

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28
papers

2,043
citations

361413

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477307

29
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29
all docs

29
docs citations

29
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Olivine water contents in the continental lithosphere and the longevity of cratons. <i>Nature</i> , 2010, 467, 78-81.	27.8	235
2	Water contents in mantle xenoliths from the Colorado Plateau and vicinity: Implications for the mantle rheology and hydration-induced thinning of continental lithosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	206
3	Low water contents in pyroxenes from spinel-peridotites of the oxidized, sub-arc mantle wedge. <i>Earth and Planetary Science Letters</i> , 2002, 201, 69-86.	4.4	200
4	A review of water contents of nominally anhydrous natural minerals in the mantles of Earth, Mars and the Moon. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 197, 239-258.	2.1	180
5	Fast kimberlite ascent rates estimated from hydrogen diffusion profiles in xenolithic mantle olivines from southern Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2711-2722.	3.9	146
6	Water in the Earth's Interior: Distribution and Origin. <i>Space Science Reviews</i> , 2017, 212, 743-810.	8.1	139
7	High water contents in the Siberian cratonic mantle linked to metasomatism: An FTIR study of Udachnaya peridotite xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 137, 159-187.	3.9	126
8	Crystallization, melt inclusion, and redox history of a Martian meteorite: Olivine-phyrlic shergottite Larkman Nunatak 06319. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 4543-4576.	3.9	89
9	Metasomatic control of water contents in the Kaapvaal cratonic mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 97, 213-246.	3.9	88
10	Os isotopic systematics in mantle xenoliths; age constraints on the Canadian Cordillera lithosphere. <i>Chemical Geology</i> , 2000, 166, 85-101.	3.3	87
11	Water disequilibrium in olivines from Hawaiian peridotites: Recent metasomatism, H diffusion and magma ascent rates. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 154, 98-117.	3.9	74
12	Re-Os constraints on harzburgite and lherzolite formation in the lithospheric mantle: a study of northern Canadian Cordillera xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3061-3071.	3.9	71
13	Trace element systematics and ^{147}Sm - ^{143}Nd and ^{176}Lu - ^{176}Hf ages of Larkman Nunatak 06319: Closed-system fractional crystallization of an enriched shergottite magma. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7307-7328.	3.9	61
14	Water in Hawaiian garnet pyroxenites: Implications for water heterogeneity in the mantle. <i>Chemical Geology</i> , 2015, 397, 61-75.	3.3	59
15	Water in Hawaiian peridotite minerals: A case for a dry metasomatized oceanic mantle lithosphere. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1211-1232.	2.5	51
16	A heterogeneous lunar interior for hydrogen isotopes as revealed by the lunar highlands samples. <i>Earth and Planetary Science Letters</i> , 2017, 473, 14-23.	4.4	36
17	Plume-cratonic lithosphere interaction recorded by water and other trace elements in peridotite xenoliths from the L'Abait volcano, Tanzania. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1687-1710.	2.5	34
18	Low water contents in diamond mineral inclusions: Proto-genetic origin in a dry cratonic lithosphere. <i>Earth and Planetary Science Letters</i> , 2016, 433, 125-132.	4.4	31

#	ARTICLE	IF	CITATIONS
19	Olivine inclusions in Siberian diamonds and mantle xenoliths: Contrasting water and trace-element contents. <i>Lithos</i> , 2016, 265, 31-41.	1.4	26
20	Evaluating crustal contributions to enriched shergottites from the petrology, trace elements, and Rb-Sr and Sm-Nd isotope systematics of Northwest Africa 856. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 280-306.	3.9	22
21	Determination of the water content and D/H ratio of the martian mantle by unraveling degassing and crystallization effects in nakhlites. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 382-415.	3.9	18
22	Water and Oxygen Fugacity in the Lithospheric Mantle Wedge beneath the Northern Canadian Cordillera (Alligator Lake). <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3844-3869.	2.5	13
23	Metasomatic control of hydrogen contents in the layered cratonic mantle lithosphere sampled by Lac de Gras xenoliths in the central Slave craton, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 29-53.	3.9	13
24	Effects of melting, subduction-related metasomatism, and sub-solidus equilibration on the distribution of water contents in the mantle beneath the Rio Grande Rift. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 351-381.	3.9	11
25	Metasomatism and Hydration of the Oceanic Lithosphere: a Case Study of Peridotite Xenoliths from Samoa. <i>Journal of Petrology</i> , 2020, 61, .	2.8	11
26	The origins of water. <i>Science</i> , 2020, 369, 1058-1058.	12.6	10
27	Shock-induced H loss from pyroxene and maskelynite in a Martian meteorite and the mantle source δD of enriched shergottites. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 201-217.	3.9	3
28	Water in the Earth's Interior: Distribution and Origin. <i>Space Sciences Series of ISSI</i> , 2017, , 83-150.	0.0	2