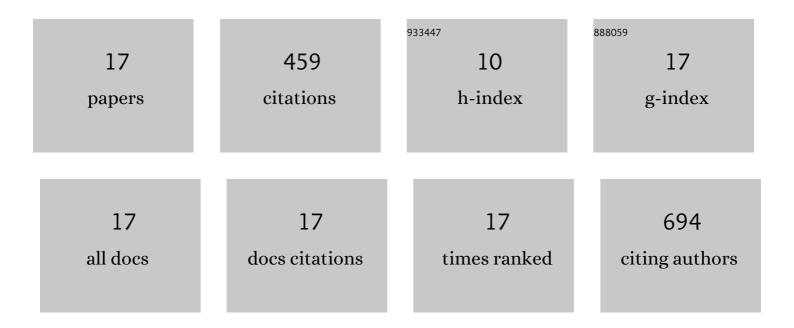
Lydia Hallis

List of Publications by Year in descending order

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Ινοιλ Ηλιτις

#	Article	IF	CITATIONS
1	Organic synthesis associated with serpentinization and carbonation on early Mars. Science, 2022, 375, 172-177.	12.6	32
2	The pre-atmospheric hydrogen inventory of CM carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 2021, 309, 31-44.	3.9	4
3	Solar wind contributions to Earthâ \in Ms oceans. Nature Astronomy, 2021, 5, 1275-1285.	10.1	22
4	Convective activity in a Martian magma chamber recorded by Pâ€zoning in Tissint olivine. Meteoritics and Planetary Science, 2020, 55, 1057-1072.	1.6	4
5	Exploring Mars at the nanoscale: Applications of transmission electron microscopy and atom probe tomography in planetary exploration. IOP Conference Series: Materials Science and Engineering, 2020, 891, 012008.	0.6	5
6	Volatile abundances and hydrogen isotope ratios of apatite in Martian basaltic breccia NWA 11522—A paired stone of NWA 7034. Meteoritics and Planetary Science, 2020, 55, 2587-2598.	1.6	5
7	Boom boom pow: Shock-facilitated aqueous alteration and evidence for two shock events in the Martian nakhlite meteorites. Science Advances, 2019, 5, eaaw5549.	10.3	15
8	Understanding the emplacement of Martian volcanic rocks using petrofabrics of the nakhlite meteorites. Earth and Planetary Science Letters, 2019, 520, 220-230.	4.4	11
9	A TEM and EELS study of carbon in a melt fragment from the Gardnos impact structure. Meteoritics and Planetary Science, 2019, 54, 2698-2709.	1.6	9
10	Aqueous alteration of the Martian meteorite Northwest Africa 817: Probing fluid–rock interaction at the nakhlite launch site. Meteoritics and Planetary Science, 2018, 53, 2395-2412.	1.6	33
11	The origin of alteration "orangettes―in Dhofar 019: Implications for the age and aqueous history of the shergottites. Meteoritics and Planetary Science, 2017, 52, 2695-2706.	1.6	7
12	D/H ratios of the inner Solar System. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150390.	3.4	42
13	Evidence for primordial water in Earth's deep mantle. Science, 2015, 350, 795-797.	12.6	159
14	Element abundances, patterns, and mobility in Nakhlite Miller Range 03346 and implications for aqueous alteration. Geochimica Et Cosmochimica Acta, 2013, 112, 208-225.	3.9	17
15	Alteration assemblages in the Miller Range and Elephant Moraine regions of Antarctica: Comparisons between terrestrial igneous rocks and Martian meteorites. Meteoritics and Planetary Science, 2013, 48, 165-179.	1.6	15
16	Boron Enrichment in Martian Clay. PLoS ONE, 2013, 8, e64624.	2.5	27
17	Comparisons of the four Miller Range nakhlites, MIL 03346, 090030, 090032 and 090136: Textural and compositional observations of primary and secondary mineral assemblages. Meteoritics and Planetary Science, 2011, 46, 1787-1803.	1.6	52