

Lionel G Vacher

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9206958/publications.pdf>

Version: 2024-02-01

14
papers

542
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Earth's water may have been inherited from material similar to enstatite chondrite meteorites. <i>Science</i> , 2020, 369, 1110-1113.	12.6	164
2	Deciphering the conditions of tochilinite and cronstedtite formation in CM chondrites from low temperature hydrothermal experiments. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1870-1889.	1.6	61
3	Hydrogen in chondrites: Influence of parent body alteration and atmospheric contamination on primordial components. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 281, 53-66.	3.9	58
4	Multiple precursors of secondary mineralogical assemblages in CM chondrites. <i>Meteoritics and Planetary Science</i> , 2016, 51, 785-805.	1.6	43
5	INWARD RADIAL MIXING OF INTERSTELLAR WATER ICES IN THE SOLAR PROTOPLANETARY DISK. <i>Astrophysical Journal Letters</i> , 2016, 827, L1.	8.3	41
6	Petrographic and C & O isotopic characteristics of the earliest stages of aqueous alteration of CM chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 213, 271-290.	3.9	35
7	Collisional and alteration history of the CM parent body. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 213-234.	3.9	28
8	Thermal Evolution of Hydrated Asteroids Inferred from Oxygen Isotopes. <i>Astrophysical Journal Letters</i> , 2019, 882, L20.	8.3	26
9	Origin of hydrogen isotopic variations in chondritic water and organics. <i>Earth and Planetary Science Letters</i> , 2021, 567, 117008.	4.4	26
10	Primordial water and dust of the Solar System: Insights from in situ oxygen measurements of CI chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 269, 451-464.	3.9	21
11	Testing the genetic relationship between fluid alteration and brecciation in CM chondrites. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1692-1709.	1.6	18
12	Cosmic symplectite recorded irradiation by nearby massive stars in the solar system's parent molecular cloud. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 309, 135-150.	3.9	9
13	NanoSIMS isotopic investigation of xenolithic carbonaceous clasts from the kapoeta howardite. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 283, 243-264.	3.9	6
14	Comment on "Hydrothermal preparation of analogous matrix minerals of CM carbonaceous chondrites from metal alloy particles" by Y. Peng and Y. Jing [<i>Earth Planet. Sci. Lett.</i> 408 (2014) 252-262]. <i>Earth and Planetary Science Letters</i> , 2015, 428, 304-306.	4.4	3