

# 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  
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16  
docs citations

16  
times ranked

603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of hydrogen isotopic variations in chondritic water and organics. <i>Earth and Planetary Science Letters</i> , 2021, 567, 117008.	4.4	26
2	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
3	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
4	Earth's water may have been inherited from material similar to enstatite chondrite meteorites. <i>Science</i> , 2020, 369, 1110-1113.	12.6	164
5	NanoSIMS isotopic investigation of xenolithic carbonaceous clasts from the kapoeta howardite. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 283, 243-264.	3.9	6
6	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
7	Thermal Evolution of Hydrated Asteroids Inferred from Oxygen Isotopes. <i>Astrophysical Journal Letters</i> , 2019, 882, L20.	8.3	26
8	Deciphering the conditions of tochilinite and cronstedtite formation in <sc>CM</sc> chondrites from low temperature hydrothermal experiments. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1870-1889.	1.6	61
9	Testing the genetic relationship between fluid alteration and brecciation in <sc>CM</sc> chondrites. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1692-1709.	1.6	18
10	Collisional and alteration history of the CM parent body. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 213-234.	3.9	28
11	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
12	Multiple precursors of secondary mineralogical assemblages in <sc>CM</sc> chondrites. <i>Meteoritics and Planetary Science</i> , 2016, 51, 785-805.	1.6	43
13	INWARD RADIAL MIXING OF INTERSTELLAR WATER ICES IN THE SOLAR PROTOPLANETARY DISK. <i>Astrophysical Journal Letters</i> , 2016, 827, L1.	8.3	41
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