

Christian Vollmer

List of Publications by Year in descending order

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17
papers

426
citations

840776

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h-index

888059

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17
docs citations

17
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	NanoSIMS analysis and Auger electron spectroscopy of silicate and oxide stardust from the carbonaceous chondrite Acfer 094. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 7127-7149.	3.9	73
2	DIRECT LABORATORY ANALYSIS OF SILICATE STARDUST FROM RED GIANT STARS. <i>Astrophysical Journal</i> , 2009, 700, 774-782.	4.5	53
3	Stellar MgSiO ₃ Perovskite: A Shock-transformed Stardust Silicate Found in a Meteorite. <i>Astrophysical Journal</i> , 2007, 666, L49-L52.	4.5	49
4	Si Isotopic Compositions of Presolar Silicate Grains from Red Giant Stars and Supernovae. <i>Astrophysical Journal</i> , 2008, 684, 611-617.	4.5	43
5	Ancient stardust in fine-grained chondrule dust rims from carbonaceous chondrites. <i>Earth and Planetary Science Letters</i> , 2016, 434, 117-128.	4.4	43
6	Fluid-induced organic synthesis in the solar nebula recorded in extraterrestrial dust from meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15338-15343.	7.1	29
7	New experimental approach to study aqueous alteration of amorphous silicates at low reaction rates. <i>Chemical Geology</i> , 2015, 412, 179-192.	3.3	25
8	The presolar grain inventory of fine-grained chondrule rims in the Mighei type (CM) chondrites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1176-1206.	1.6	20
9	Chemical composition and iron oxidation state of amorphous matrix silicates in the carbonaceous chondrite Acfer 094. <i>Meteoritics and Planetary Science</i> , 2018, 53, 153-166.	1.6	18
10	Isotope Systematics of Presolar Silicate Grains: New Insights from Magnesium and Silicon. <i>Astrophysical Journal</i> , 2021, 913, 10.	4.5	17
11	Isotopic compositions, nitrogen functional chemistry, and low-loss electron spectroscopy of complex organic aggregates at the nanometer scale in the carbonaceous chondrite Renazzo. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1293-1319.	1.6	16
12	Amorphous silicates as a record of solar nebular and parent body processes: A transmission electron microscope study of fine-grained rims and matrix in three Antarctic CR chondrites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1491-1508.	1.6	11
13	Origins of olivine in Earth's youngest kimberlite: Igwisi Hills volcanoes, Tanzania craton. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	9
14	Iron-60 in the Early Solar System Revisited: Insights from In Situ Isotope Analysis of Chondritic Troilite. <i>Astrophysical Journal</i> , 2022, 929, 107.	4.5	7
15	A primordial ¹⁵ N-depleted organic component detected within the carbonaceous chondrite Maribo. <i>Scientific Reports</i> , 2020, 10, 20251.	3.3	6
16	The brecciated texture of polymict eucrites: Petrographic investigations of unequilibrated meteorites from the Antarctic Yamato collection. <i>Meteoritics and Planetary Science</i> , 2020, 55, 558-574.	1.6	5
17	How do secondary iron enrichments form within basaltic eucrites? An experimental approach. <i>Meteoritics and Planetary Science</i> , 2021, 56, 911.	1.6	2