

JÃ©rÃ©me AlÃ©on

List of Publications by Year in descending order

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31
papers

2,976
citations

331670

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434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2242
citing authors

#	ARTICLE	IF	CITATIONS
1	Comet 81P/Wild 2 Under a Microscope. <i>Science</i> , 2006, 314, 1711-1716.	12.6	848
2	Organics Captured from Comet 81P/Wild 2 by the Stardust Spacecraft. <i>Science</i> , 2006, 314, 1720-1724.	12.6	519
3	Isotopic Compositions of Cometary Matter Returned by Stardust. <i>Science</i> , 2006, 314, 1724-1728.	12.6	343
4	Extreme Deuterium Excesses in Ultracarbonaceous Micrometeorites from Central Antarctic Snow. <i>Science</i> , 2010, 328, 742-745.	12.6	160
5	Calcium–aluminum–rich inclusions and amoeboid olivine aggregates from the CR carbonaceous chondrites. <i>Meteoritics and Planetary Science</i> , 2002, 37, 1729-1755.	1.6	107
6	A refractory inclusion returned by Stardust from comet 81P/Wild 2. <i>Meteoritics and Planetary Science</i> , 2008, 43, 1861-1877.	1.6	106
7	Oxygen Isotopes of Chondritic Components. <i>Reviews in Mineralogy and Geochemistry</i> , 2008, 68, 141-186.	4.8	102
8	Clues to the origin of interplanetary dust particles from the isotopic study of their hydrogen-bearing phases. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 4399-4412.	3.9	81
9	Evolution of Oxygen Isotopic Composition in the Inner Solar Nebula. <i>Astrophysical Journal</i> , 2005, 622, 1333-1342.	4.5	77
10	MULTIPLE ORIGINS OF NITROGEN ISOTOPIC ANOMALIES IN METEORITES AND COMETS. <i>Astrophysical Journal</i> , 2010, 722, 1342-1351.	4.5	75
11	Nitrogen isotopic composition of macromolecular organic matter in interplanetary dust particles. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3773-3783.	3.9	68
12	Graphitization at low temperatures (600–1200°C) in the presence of iron implications in planetology. <i>Carbon</i> , 2014, 66, 178-190.	10.3	57
13	Oxygen isotopic composition of chondritic interplanetary dust particles: A genetic link between carbonaceous chondrites and comets. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4558-4575.	3.9	49
14	Oxygen isotope heterogeneities in the earliest protosolar gas recorded in a meteoritic calcium–aluminum-rich inclusion. <i>Earth and Planetary Science Letters</i> , 2007, 263, 114-127.	4.4	44
15	Oxygen isotopes in single micrometer-sized quartz grains: tracing the source of Saharan dust over long-distance atmospheric transport. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3351-3365.	3.9	43
16	Interstellar chemistry recorded by nitrogen isotopes in Solar System organic matter. <i>Icarus</i> , 2004, 167, 424-430.	2.5	41
17	THREE-DIMENSIONAL LAGRANGIAN TURBULENT DIFFUSION OF DUST GRAINS IN A PROTOPLANETARY DISK: METHOD AND FIRST APPLICATIONS. <i>Astrophysical Journal</i> , 2011, 737, 33.	4.5	38
18	Extreme oxygen isotope ratios in the early Solar System. <i>Nature</i> , 2005, 437, 385-388.	27.8	32

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19	Fine-grained, spinel-rich inclusions from the reduced CV chondrite Efremovka: II. Oxygen isotopic compositions. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1043-1058.	1.6	27
20	Oxygen isotopes in the early protoplanetary disk inferred from pyroxene in a classical type B CAI. <i>Earth and Planetary Science Letters</i> , 2016, 440, 62-70.	4.4	23
21	Extremely Na- and Cl-rich chondrule from the CV3 carbonaceous chondrite Allende. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4752-4770.	3.9	22
22	First-principles modeling of chlorine isotope fractionation between chloride-bearing molecules and minerals. <i>Chemical Geology</i> , 2019, 525, 424-434.	3.3	21
23	On a Reliable Structural Characterization of Polished Carbons in Meteorites by Raman Microspectroscopy. <i>Spectroscopy Letters</i> , 2011, 44, 535-538.	1.0	19
24	Growth of calcium–aluminum-rich inclusions by coagulation and fragmentation in a turbulent protoplanetary disk: Observations and simulations. <i>Icarus</i> , 2015, 252, 440-453.	2.5	17
25	Closed system oxygen isotope redistribution in igneous CAIs upon spinel dissolution. <i>Earth and Planetary Science Letters</i> , 2018, 482, 324-333.	4.4	15
26	O, Mg, and Si isotope distributions in the complex ultrarefractory CAI Efremovka 101.1: Assimilation of ultrarefractory, FUN, and regular CAI precursors. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 48-81.	3.9	13
27	NanoSIMS Imaging of D/H Ratios on FIB Sections. <i>Analytical Chemistry</i> , 2019, 91, 13763-13771.	6.5	9
28	Impact delivery of organic matter on the acapulcoite–lodranite parent-body deduced from C, N isotopes and nanostructures of carbon phases in Acapulco and Lodran. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 224-239.	3.9	7
29	Alkali magmatism on a carbonaceous chondrite planetesimal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8353-8359.	7.1	6
30	Determination of the initial hydrogen isotopic composition of the solar system. <i>Nature Astronomy</i> , 2022, 6, 458-463.	10.1	5
31	Meteorites and the physico-chemical conditions in the early solar nebula. <i>EAS Publications Series</i> , 2010, 41, 253-300.	0.3	2