

# Jan Leitner

## List of Publications by Year in descending order

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45  
papers

2,817  
citations

430874

18  
h-index

243625

44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotope Systematics of Presolar Silicate Grains: New Insights from Magnesium and Silicon. <i>Astrophysical Journal</i> , 2021, 913, 10.	4.5	17
2	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
3	The presolar grain inventory of fine-grained chondrule rims in the Mighei-type (<sc>CM</sc>) chondrites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1176-1206.	1.6	20
4	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
5	A primordial <sup>15</sup> N-depleted organic component detected within the carbonaceous chondrite Maribo. <i>Scientific Reports</i> , 2020, 10, 20251.	3.3	6
6	Challenges and Applications of High Spatial and Energy Resolution EELS for Mapping Functional Chemistry in Beam-Sensitive Materials at Low Acceleration Voltages. <i>Microscopy and Microanalysis</i> , 2019, 25, 480-481.	0.4	0
7	Architecture of <i>Anoteropora latirostris</i> (Bryozoa, Cheilostomata) and implications for their biomineralization. <i>Scientific Reports</i> , 2019, 9, 11439.	3.3	17
8	Artifacts from manganese reduction in rock samples prepared by focused ion beam (FIB) slicing for X-ray microspectroscopy. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2019, 8, 97-111.	1.6	2
9	A new population of dust from stellar explosions among meteoritic stardust. <i>Nature Astronomy</i> , 2019, 3, 725-729.	10.1	21
10	High-Resolution Mg/Ca Measurements of Foraminifer Shells Using Femtosecond LA-ICP-MS for Paleoclimate Proxy Development. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2053-2063.	2.5	8
11	Correlated nanoscale characterization of a unique complex oxygen-rich stardust grain: Implications for circumstellar dust formation. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 255-274.	3.9	17
12	A study of presolar material in hydrated lithic clasts from metal-rich carbonaceous chondrites. <i>Meteoritics and Planetary Science</i> , 2018, 53, 204-231.	1.6	8
13	New Insights into the Galactic Chemical Evolution of Magnesium and Silicon Isotopes from Studies of Silicate Stardust. <i>Astrophysical Journal</i> , 2018, 869, 47.	4.5	10
14	An isotopic, elemental and structural study of silicon nitride from enstatite chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 153-172.	3.9	3
15	The stardust abundance in the local interstellar cloud at the birth of the Solar System. <i>Nature Astronomy</i> , 2017, 1, 617-620.	10.1	25
16	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
17	NEW CONSTRAINTS ON THE ABUNDANCES OF SILICATE AND OXIDE STARDUST FROM SUPERNOVAE IN THE ACFER 094 METEORITE. <i>Astrophysical Journal Letters</i> , 2015, 808, L9.	8.3	26
18	Stardust Interstellar Preliminary Examination X: Impact speeds and directions of interstellar grains on the Stardust dust collector. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1680-1697.	1.6	24

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19	Stardust Interstellar Preliminary Examination <sc>IX</sc>: High-speed interstellar dust analog capture in Stardust flight spare aerogel. Meteoritics and Planetary Science, 2014, 49, 1666-1679.	1.6	19
20	Stardust Interstellar Preliminary Examination <sc>XI</sc>: Identification and elemental analysis of impact craters on Al foils from the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1698-1719.	1.6	16
21	Stardust Interstellar Preliminary Examination VIII: Identification of crystalline material in two interstellar candidates. Meteoritics and Planetary Science, 2014, 49, 1645-1665.	1.6	12
22	Stardust Interstellar Preliminary Examination <sc>VII</sc>: Synchrotron X-ray fluorescence analysis of six Stardust interstellar candidates measured with the Advanced Photon Source 2-Å microprobe. Meteoritics and Planetary Science, 2014, 49, 1626-1644.	1.6	13
23	Stardust Interstellar Preliminary Examination <sc>VI</sc>: Quantitative elemental analysis by synchrotron X-ray fluorescence nanoimaging of eight impact features in aerogel. Meteoritics and Planetary Science, 2014, 49, 1612-1625.	1.6	12
24	Stardust Interstellar Preliminary Examination V: <sc>XRF</sc> analyses of interstellar dust candidates at <sc>ESRF ID</sc> 13. Meteoritics and Planetary Science, 2014, 49, 1594-1611.	1.6	12
25	Fluid-induced organic synthesis in the solar nebula recorded in extraterrestrial dust from meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15338-15343.	7.1	29
26	Final reports of the Stardust Interstellar Preliminary Examination. Meteoritics and Planetary Science, 2014, 49, 1720-1733.	1.6	29
27	Stardust Interstellar Preliminary Examination <sc>II</sc>: Curating the interstellar dust collector, picokeystones, and sources of impact tracks. Meteoritics and Planetary Science, 2014, 49, 1522-1547.	1.6	18
28	Stardust Interstellar Preliminary Examination <sc>III</sc>: Infrared spectroscopic analysis of interstellar dust candidates. Meteoritics and Planetary Science, 2014, 49, 1548-1561.	1.6	12
29	Stardust Interstellar Preliminary Examination I: Identification of tracks in aerogel. Meteoritics and Planetary Science, 2014, 49, 1509-1521.	1.6	16
30	Stardust Interstellar Preliminary Examination <sc>IV</sc>: Scanning transmission X-ray microscopy analyses of impact features in the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1562-1593.	1.6	18
31	Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. Science, 2014, 345, 786-791.	12.6	152
32	LABORATORY ANALYSIS OF PRESOLAR SILICATE STARDUST FROM A NOVA. Astrophysical Journal Letters, 2012, 754, L41.	8.3	21
33	CHARACTERIZATION OF PRESOLAR MATERIAL IN THE CR CHONDRITE NORTHWEST AFRICA 852. Astrophysical Journal, 2012, 745, 38.	4.5	62
34	Automated searching of Stardust interstellar foils. Meteoritics and Planetary Science, 2012, 47, 729-736.	1.6	7
35	NanoSIMS STUDIES OF SMALL PRESOLAR SiC GRAINS: NEW INSIGHTS INTO SUPERNOVA NUCLEOSYNTHESIS, CHEMISTRY, AND DUST FORMATION. Astrophysical Journal, 2010, 719, 1370-1384.	4.5	76
36	AN UNUSUAL PRESOLAR SILICON CARBIDE GRAIN FROM A SUPERNOVA: IMPLICATIONS FOR THE PRODUCTION OF SILICON-29 IN TYPE II SUPERNOVAE. Astrophysical Journal, 2009, 691, L20-L23.	4.5	16

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37	Heavy Element Abundances in Presolar Silicon Carbide Grains from Low-Metallicity AGB Stars. Publications of the Astronomical Society of Australia, 2009, 26, 284-288.	3.4	2
38	Dust from comet Wild 2: Interpreting particle size, shape, structure, and composition from impact features on the Stardust aluminum foils. Meteoritics and Planetary Science, 2008, 43, 41-73.	1.6	60
39	TOF-SIMS analysis of crater residues from Wild 2 cometary particles on Stardust aluminum foil. Meteoritics and Planetary Science, 2008, 43, 161-185.	1.6	20
40	Stardust in Stardust: The C, N, and O isotopic compositions of Wild 2 cometary matter in Al foil impacts. Meteoritics and Planetary Science, 2008, 43, 299-313.	1.6	54
41	Impact Features on Stardust: Implications for Comet 81P/Wild 2 Dust. Science, 2006, 314, 1716-1719.	12.6	286
42	Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716.	12.6	848
43	Elemental Compositions of Comet 81P/Wild 2 Samples Collected by Stardust. Science, 2006, 314, 1731-1735.	12.6	200
44	SIMS studies of Allende projectiles fired into Stardust-type aluminum foils at 6 km/sec. Meteoritics and Planetary Science, 2006, 41, 197-209.	1.6	14
45	Organics Captured from Comet 81P/Wild 2 by the Stardust Spacecraft. Science, 2006, 314, 1720-1724.	12.6	519