

# Lindsay P Keller

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

5,232  
citations

279798

23  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comet 81P/Wild 2 Under a Microscope. <i>Science</i> , 2006, 314, 1711-1716.	12.6	848
2	Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples. <i>Science</i> , 2006, 314, 1735-1739.	12.6	589
3	Space weathering on airless bodies: Resolving a mystery with lunar samples. <i>Meteoritics and Planetary Science</i> , 2000, 35, 1101-1107.	1.6	536
4	Organics Captured from Comet 81P/Wild 2 by the Stardust Spacecraft. <i>Science</i> , 2006, 314, 1720-1724.	12.6	519
5	Samples of Stars Beyond the Solar System: Silicate Grains in Interplanetary Dust. <i>Science</i> , 2003, 300, 105-108.	12.6	367
6	The nature and origin of rims on lunar soil grains. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 2331-2341.	3.9	332
7	Lunar Mare Soils: Space weathering and the major effects of surface-correlated nanophase Fe. <i>Journal of Geophysical Research</i> , 2001, 106, 27985-27999.	3.3	270
8	An Infrared Spectral Match Between GEMS and Interstellar Grains. <i>Science</i> , 1999, 285, 1716-1718.	12.6	211
9	Organic Globules in the Tagish Lake Meteorite: Remnants of the Protosolar Disk. <i>Science</i> , 2006, 314, 1439-1442.	12.6	208
10	Carbon abundance and silicate mineralogy of anhydrous interplanetary dust particles. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 1551-1566.	3.9	168
11	Infrared Spectroscopy of Comet 81P/Wild 2 Samples Returned by Stardust. <i>Science</i> , 2006, 314, 1728-1731.	12.6	163
12	Supernova Olivine from Cometary Dust. <i>Science</i> , 2005, 309, 737-741.	12.6	153
13	On the origins of GEMS grains. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5336-5365.	3.9	152
14	The nature of molecular cloud material in interplanetary dust. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2577-2589.	3.9	148
15	Evidence for aqueous activity on comet 81P/Wild 2 from sulfide mineral assemblages in Stardust samples and CI chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3501-3513.	3.9	87
16	Geologic history of Martian regolith breccia Northwest Africa 7034: Evidence for hydrothermal activity and lithologic diversity in the Martian crust. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2120-2149.	3.6	65
17	Experimental aqueous alteration of cometary dust. <i>Meteoritics and Planetary Science</i> , 2011, 46, 843-856.	1.6	50
18	A transmission electron microscope study of Itokawa regolith grains. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	50

#	ARTICLE	IF	CITATIONS
19	Microchemical and structural evidence for space weathering in soils from asteroid Itokawa. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	50
20	Microstructure, chemistry, and origin of grain rims on ilmenite from the lunar soil finest fraction. <i>Meteoritics and Planetary Science</i> , 1996, 31, 835-848.	1.6	39
21	Wassonite: A new titanium monosulfide mineral in the Yamato 691 enstatite chondrite. <i>American Mineralogist</i> , 2012, 97, 807-815.	1.9	32
22	Nanometer-scale anatomy of entire Stardust tracks. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1033-1051.	1.6	30
23	Solar energetic particle tracks in lunar samples: A transmission electron microscope calibration and implications for lunar space weathering. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1685-1707.	1.6	29
24	MINERALOGY OF PRESOLAR SILICATE AND OXIDE GRAINS OF DIVERSE STELLAR ORIGINS. <i>Astrophysical Journal</i> , 2016, 818, 51.	4.5	26
25	Solar wind contributions to Earth's oceans. <i>Nature Astronomy</i> , 2021, 5, 1275-1285.	10.1	22
26	On the origins of GEMS grains: A reply. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 107, 341-344.	3.9	21
27	Space radiation processing of sulfides and silicates in primitive solar systems materials: Comparative insights from in situ TEM ion irradiation experiments. <i>Meteoritics and Planetary Science</i> , 2011, 46, 950-969.	1.6	20
28	Pristine stratospheric collection of interplanetary dust on an oil-free polyurethane foam substrate. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1468-1485.	1.6	18
29	Evidence for a significant Kuiper belt dust contribution to the zodiacal cloud. <i>Nature Astronomy</i> , 2022, 6, 731-735.	10.1	12
30	A Hybrid Ultramicrotomy-FIB Technique for Preparing Serial Electron Transparent Thin Sections from Particulate Samples. <i>Microscopy Today</i> , 2015, 23, 18-23.	0.3	9
31	Coordinated mineralogical and isotopic analyses of a cosmic symplectite discovered in a comet 81P/Wild 2 sample. <i>Meteoritics and Planetary Science</i> , 2017, 52, 2004-2016.	1.6	8