Myriam Lemelin

List of Publications by Year
in descending order

22 papers	711 citations	687363 13 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	599 citing authors

#	Article	IF	Citations
1	Evidence for surface water ice in the lunar polar regions using reflectance measurements from the Lunar Orbiter Laser Altimeter and temperature measurements from the Diviner Lunar Radiometer Experiment. Icarus, 2017, 292, 74-85.	2.5	119
2	Summary of the results from the lunar orbiter laser altimeter after seven years in lunar orbit. Icarus, 2017, 283, 70-91.	2.5	116
3	Lunar central peak mineralogy and iron content using the Kaguya Multiband Imager: Reassessment of the compositional structure of the lunar crust. Journal of Geophysical Research E: Planets, 2015, 120, 869-887.	3.6	101
4	The compositions of the lunar crust and upper mantle: Spectral analysis of the inner rings of lunar impact basins. Planetary and Space Science, 2019, 165, 230-243.	1.7	75
5	Space weathering effects in Diviner Lunar Radiometer multispectral infrared measurements of the lunar Christiansen Feature: Characteristics and mitigation. Icarus, 2017, 283, 343-351.	2.5	41
6	A large spectral survey of small lunar craters: Implications for the composition of the lunar mantle. American Mineralogist, 2014, 99, 2251-2257.	1.9	39
7	High-priority lunar landing sites for in situ and sample return studies of polar volatiles. Planetary and Space Science, 2014, 101, 149-161.	1.7	36
8	Improved calibration of reflectance data from the LRO Lunar Orbiter Laser Altimeter (LOLA) and implications for space weathering. Icarus, 2016, 273, 315-328.	2.5	34
9	Olivine-bearing lithologies on the Moon: Constraints on origins and transport mechanisms from M3 spectroscopy, radiative transfer modeling, and GRAIL crustal thickness. Icarus, 2018, 300, 287-304.	2.5	27
10	The compositional and physical properties of localized lunar pyroclastic deposits. Icarus, 2017, 283, 232-253.	2.5	23
11	Framework for Coordinated Efforts in the Exploration of Volatiles in the South Polar Region of the Moon. Planetary Science Journal, 2021, 2, 103.	3.6	22
12	LRO-LAMP detection of geologically young craters within lunar permanently shaded regions. Icarus, 2016, 273, 114-120.	2.5	15
13	Compositional Maps of the Lunar Polar Regions Derived from the Kaguya Spectral Profiler and the Lunar Orbiter Laser Altimeter Data. Planetary Science Journal, 2022, 3, 63.	3.6	15
14	Ilmenite mapping of the lunar regolith over Mare Australe and Mare Ingenii regions: An optimized multisource approach based on Hapke radiative transfer theory. Journal of Geophysical Research E: Planets, 2013, 118, 2582-2593.	3.6	12
15	Lunar samples record an impact 4.2 billion years ago that may have formed the Serenitatis Basin. Communications Earth & Environment, 2021, 2, .	6.8	9
16	Depth of Origin of the Peak (Inner) Ring in Lunar Impact Basins. Geophysical Research Letters, 2017, 44, 10,140.	4.0	8
17	A Deep Learning Approach to the Detection of Gossans in the Canadian Arctic. Remote Sensing, 2020, 12, 3123.	4.0	5
18	Volcanic Processes in the Gassendi Region of the Moon. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006034.	3.6	4

#	Article	IF	Citations
19	Model Specialization for the Use of ESRGAN on Satellite and Airborne Imagery. Remote Sensing, 2021, 13, 4044.	4.0	4
20	Eruption characteristics of lunar localized pyroclastic deposits as evidenced by remotely sensed water, mineralogy, and regolith. Icarus, 2022, 375, 114837.	2.5	4
21	Physical and compositional properties of impact melts for Jackson and Tycho craters: Implications for space weathering and degradation of lunar impact melts. Icarus, 2020, 351, 113926.	2.5	2
22	Mineralogical and lithological unmixing with radiative transfer modelling in the open-pit context of Mine Canadian Malartic. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 241, 106707.	2.3	0