

Noah E Petro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9419925/publications.pdf>

Version: 2024-02-01

42
papers

2,525
citations

257450

24
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

1902
citing authors

#	ARTICLE	IF	CITATIONS
1	The Lunar Geophysical Network Landing Sites Science Rationale. Planetary Science Journal, 2022, 3, 40.	3.6	7
2	Volatile interactions with the lunar surface. Chemie Der Erde, 2022, 82, 125858.	2.0	26
3	Evidence for a Stratified Upper Mantle Preserved Within the South Pole-Aitken Basin. Journal of Geophysical Research E: Planets, 2021, 126, .	3.6	26
4	The search for lunar mantle rocks exposed on the surface of the Moon. Nature Communications, 2021, 12, 4659.	12.8	26
5	Scaling Relationship Between the Wavelength of Longitudinal Ridges and the Thickness of Long Runout Landslides on the Moon. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006922.	3.6	2
6	Identification of Potential Mantle Rocks Around the Lunar Imbrium Basin. Geophysical Research Letters, 2020, 47, e2020GL090334.	4.0	8
7	Was the Sun a Slow Rotator? Sodium and Potassium Constraints from the Lunar Regolith. Astrophysical Journal Letters, 2019, 876, L16.	8.3	22
8	Update on the Worsening Particle Radiation Environment Observed by CRaTER and Implications for Future Human Deep-Space Exploration. Space Weather, 2018, 16, 289-303.	3.7	44
9	Using proton radiation from the moon to search for diurnal variation of regolith hydrogenation. Planetary and Space Science, 2018, 162, 113-132.	1.7	9
10	Crater age and hydrogen content in lunar regolith from LEND neutron data. Planetary and Space Science, 2018, 162, 105-112.	1.7	2
11	Remotely distinguishing and mapping endogenic water on the Moon. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150391.	3.4	14
12	Revisiting the field geology of Taurus-Littrow. Icarus, 2017, 298, 2-33.	2.5	50
13	A model of the primordial lunar atmosphere. Earth and Planetary Science Letters, 2017, 474, 198-205.	4.4	38
14	Signatures of volatiles in the lunar proton albedo. Icarus, 2016, 273, 25-35.	2.5	22
15	Global variations in regolith properties on asteroid Vesta from Dawn's low-altitude mapping orbit. Meteoritics and Planetary Science, 2016, 51, 2366-2386.	1.6	11
16	Tethered lunar subsatellites for multipoint and low altitude measurements. Acta Astronautica, 2016, 128, 464-472.	3.2	2
17	Origin of the anomalously rocky appearance of Tsiolkovskiy crater. Icarus, 2016, 273, 237-247.	2.5	23
18	The Lunar Reconnaissance Orbiter Mission – Six years of science and exploration at the Moon. Icarus, 2016, 273, 2-24.	2.5	38

#	ARTICLE	IF	CITATIONS
19	Origin of the lunar highlands Mg-suite: An integrated petrology, geochemistry, chronology, and remote sensing perspective. <i>American Mineralogist</i> , 2015, 100, 294-325.	1.9	110
20	Does the worsening galactic cosmic radiation environment observed by CRaTER preclude future manned deep space exploration?. <i>Space Weather</i> , 2014, 12, 622-632.	3.7	55
21	Development, importance, and effect of a ground truth correction for the Moon Mineralogy Mapper reflectance data set. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 369-381.	3.6	36
22	Pitted Terrain on Vesta and Implications for the Presence of Volatiles. <i>Science</i> , 2012, 338, 246-249.	12.6	91
23	Goldschmidt crater and the Moon's north polar region: Results from the Moon Mineralogy Mapper (M ³). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	28
24	New insights into lunar petrology: Distribution and composition of prominent low-Ca pyroxene exposures as observed by the Moon Mineralogy Mapper (M ³). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	80
25	Compositional variability of the Marius Hills volcanic complex from the Moon Mineralogy Mapper (M ³). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	52
26	Compositional diversity and geologic insights of the Aristarchus crater from Moon Mineralogy Mapper data. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	83
27	Mg-spinel lithology: A new rock type on the lunar farside. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	115
28	Measuring moonlight: An overview of the spatial properties, lunar coverage, selenolocation, and related Level 1B products of the Moon Mineralogy Mapper. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	111
29	Remote compositional analysis of lunar olivine-rich lithologies with Moon Mineralogy Mapper (M ³) spectra. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	73
30	Geology of the Moscoviense Basin. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	20
31	Thermal removal from near-infrared imaging spectroscopy data of the Moon. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	100
32	The Moon Mineralogy Mapper (M ³) imaging spectrometer for lunar science: Instrument description, calibration, on-orbit measurements, science data calibration and on-orbit validation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	173
33	Geomorphic terrains and evidence for ancient volcanism within northeastern South Pole-Aitken basin. , 2011, , .		7
34	More surprises from the Moon. <i>Nature Geoscience</i> , 2011, 4, 499-501.	12.9	2
35	Advanced regional-scale scenarios for lunar surface exploration. , 2011, , .		0
36	Plan for a human expedition to Marius Hills and its implications for viable surface exploration architecture. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Character and Spatial Distribution of OH/H ₂ O on the Surface of the Moon Seen by M ³ on Chandrayaan-1. <i>Science</i> , 2009, 326, 568-572.	12.6	622
38	Lunar international science coordination/calibration targets (L-ISCT). <i>Advances in Space Research</i> , 2008, 42, 248-258.	2.6	24
39	The lunar-wide effects of basin ejecta distribution on the early megaregolith. <i>Meteoritics and Planetary Science</i> , 2008, 43, 1517-1529.	1.6	58
40	Modeling the provenance of the Apollo 16 regolith. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	51
41	Surviving the heavy bombardment: Ancient material at the surface of South Pole-Aitken Basin. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	54
42	Compositional analyses of lunar pyroclastic deposits. <i>Icarus</i> , 2003, 161, 262-280.	2.5	205