

Le Qiao

List of Publications by Year in descending order

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papers

766
citations

567247

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33
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative Transfer Modeling of Chang'e-4 Spectroscopic Observations and Interpretation of the South Pole-Aitken Compositional Anomaly. <i>Astrophysical Journal Letters</i> , 2022, 931, L24.	8.3	4
2	A Raman Spectroscopic and Microimage Analysis Perspective of the Chang'e-5 Lunar Samples. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	15
3	Formation age of lunar Lalande crater and its implications for the source region of the KREEP-rich meteorite Sayh al Uhaymir 169. <i>Icarus</i> , 2022, 386, 115166.	2.5	2
4	Ina Lunar Irregular Mare Patch Mission Concepts: Distinguishing between Ancient and Modern Volcanism Models. <i>Planetary Science Journal</i> , 2021, 2, 66.	3.6	5
5	A Mars Environment Chamber Coupled with Multiple In Situ Spectral Sensors for Mars Exploration. <i>Sensors</i> , 2021, 21, 2519.	3.8	16
6	Evaluating the Thickness and Stratigraphy of Ejecta Materials at the Chang'e-4 Landing Site. <i>Astronomical Journal</i> , 2021, 162, 29.	4.7	6
7	The Preliminary Study of Dust Devil Tracks in Southern Utopia Planitia, Landing Area of Tianwen-1 Mission. <i>Remote Sensing</i> , 2021, 13, 2601.	4.0	5
8	Geology of the Chang'e-5 landing site: Constraints on the sources of samples returned from a young nearside mare. <i>Icarus</i> , 2021, 364, 114480.	2.5	31
9	Mare Domes in Mare Tranquillitatis: Identification, Characterization, and Implications for Their Origin. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006888.	3.6	6
10	Geomorphologic exploration targets at the Zhurong landing site in the southern Utopia Planitia of Mars. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117199.	4.4	26
11	Cratering Records in the Chang'e-5 Mare Unit: Filling the "Age Gap" of the Lunar Crater Chronology and Preparation for Its Recalibration. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095132.	4.0	6
12	Geomorphology, Mineralogy, and Geochronology of Mare Basalts and Non-Mare Materials around the Lunar Crisium Basin. <i>Remote Sensing</i> , 2021, 13, 4828.	4.0	3
13	Photometric Normalization of Chang'e-4 Visible and Near-Infrared Imaging Spectrometer Datasets: A Combined Study of In-Situ and Laboratory Spectral Measurements. <i>Remote Sensing</i> , 2020, 12, 3211.	4.0	7
14	Lunar Irregular Mare Patches: Classification, Characteristics, Geologic Settings, Updated Catalog, Origin, and Outstanding Questions. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006362.	3.6	18
15	Mineralogy of Chang'e-4 landing site: preliminary results of visible and near-infrared imaging spectrometer. <i>Science China Information Sciences</i> , 2020, 63, 1.	4.3	9
16	The Cauchy 5 Small, Low-Volume Lunar Shield Volcano: Evidence for Volatile Exsolution Eruption Patterns and Type 1/Type 2 Hybrid Irregular Mare Patch Formation. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006171.	3.6	11
17	In Situ Photometric Experiment of Lunar Regolith With Visible and Near-Infrared Imaging Spectrometer On Board the Yutu-2 Lunar Rover. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006076.	3.6	16
18	Deriving terrain factors from high-resolution lunar images: A case study of the Mons Rima Region. <i>Geomorphology</i> , 2020, 358, 107114.	2.6	3

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19	The subsurface structure and stratigraphy of the Chang'e-4 landing site: orbital evidence from small craters on the Von Kármán crater floor. <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 008.	1.7	21
20	Composition, mineralogy and chronology of mare basalts and non-mare materials in Von Kármán crater: Landing site of the Chang'e-4 mission. <i>Planetary and Space Science</i> , 2019, 179, 104741.	1.7	40
21	Geological characterization of the Chang'e-4 landing area on the lunar farside. <i>Icarus</i> , 2019, 333, 37-51.	2.5	51
22	Analyses of Lunar Orbiter Laser Altimeter 1,064-nm Albedo in Permanently Shadowed Regions of Polar Crater Flat Floors: Implications for Surface Water Ice Occurrence and Future In Situ Exploration. <i>Earth and Space Science</i> , 2019, 6, 467-488.	2.6	24
23	Geological Characterization of the Ina Shield Volcano Summit Pit Crater on the Moon: Evidence for Extrusion of Waning-Stage Lava Lake Magmatic Foams and Anomalously Young Crater Retention Ages. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1100-1140.	3.6	21
24	The role of substrate characteristics in producing anomalously young crater retention ages in volcanic deposits on the Moon: Morphology, topography, subresolution roughness, and mode of emplacement of the Sosigenes lunar irregular mare patch. <i>Meteoritics and Planetary Science</i> , 2018, 53, 778-812.	1.6	30
25	Ina pit crater on the Moon: Extrusion of waning-stage lava lake magmatic foam results in extremely young crater retention ages. <i>Geology</i> , 2017, 45, 455-458.	4.4	44
26	The 3-D geological model around Chang'e-3 landing site based on lunar penetrating radar Channel 1 data. <i>Geophysical Research Letters</i> , 2017, 44, 6553-6561.	4.0	20
27	The Mons Rümker volcanic complex of the Moon: A candidate landing site for the Chang'e-5 mission. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1419-1442.	3.6	52
28	Subsurface structures at the Chang'e-3 landing site: Interpretations from orbital and in-situ imagery data. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 707-715.	3.2	14
29	Geological investigations of Luna 17, Apollo 15 and Chang'e-3 landing sites at Mare Imbrium of the Moon. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2016, 46, 029603.	0.4	2
30	A young multilayered terrane of the northern Mare Imbrium revealed by Chang'e-3 mission. <i>Science</i> , 2015, 347, 1226-1229.	12.6	194
31	Geologic characteristics of the Chang'e-3 exploration region. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 569-576.	5.1	50
32	Geological characteristics and model ages of Marius Hills on the Moon. <i>Journal of Earth Science (Wuhan, China)</i> , 2011, 22, 601-609.	3.2	13