

Lu Pan

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

785
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. <i>Nature Geoscience</i> , 2020, 13, 213-220.	12.9	207
2	Thickness and structure of the martian crust from InSight seismic data. <i>Science</i> , 2021, 373, 438-443.	12.6	140
3	Oxia Planum: The Landing Site for the ExoMars "Rosalind Franklin" Rover Mission: Geological Context and Prelanding Interpretation. <i>Astrobiology</i> , 2021, 21, 345-366.	3.0	84
4	Crustal and time-varying magnetic fields at the InSight landing site on Mars. <i>Nature Geoscience</i> , 2020, 13, 199-204.	12.9	68
5	The stratigraphy and history of Mars' northern lowlands through mineralogy of impact craters: A comprehensive survey. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1824-1854.	3.6	49
6	Crust stratigraphy and heterogeneities of the first kilometers at the dichotomy boundary in western Elysium Planitia and implications for InSight lander. <i>Icarus</i> , 2020, 338, 113511.	2.5	40
7	Morphological and Spectral Diversity of the Clay-Bearing Unit at the ExoMars Landing Site Oxia Planum. <i>Astrobiology</i> , 2021, 21, 464-480.	3.0	35
8	Zhurong reveals recent aqueous activities in Utopia Planitia, Mars. <i>Science Advances</i> , 2022, 8, eabn8555.	10.3	34
9	Monitoring of Dust Devil Tracks Around the InSight Landing Site, Mars, and Comparison With In Situ Atmospheric Data. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087234.	4.0	30
10	Mineralogy and stratigraphy of the Gale crater rim, wall, and floor units. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1090-1118.	3.6	26
11	In Situ and Orbital Stratigraphic Characterization of the InSight Landing Site "A Type Example of a Regolith-Covered Lava Plain on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	17
12	The impact origin and evolution of Chryse Planitia on Mars revealed by buried craters. <i>Nature Communications</i> , 2019, 10, 4257.	12.8	15
13	Voluminous Silica Precipitated from Martian Waters during Late-stage Aqueous Alteration. <i>Planetary Science Journal</i> , 2021, 2, 65.	3.6	13
14	Phyllosilicate and hydrated silica detections in the knobby terrains of Acidalia Planitia, northern plains, Mars. <i>Geophysical Research Letters</i> , 2014, 41, 1890-1898.	4.0	12
15	Martian meteorites reflectance and implications for rover missions. <i>Icarus</i> , 2021, 366, 114517.	2.5	5
16	Insight into martian crater degradation history based on crater depth and diameter statistics. <i>Icarus</i> , 2022, 377, 114898.	2.5	4
17	Aqueous Processes From Diverse Hydrous Minerals in the Vicinity of Amazonian "Aged Lyot Crater. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1618-1648.	3.6	3
18	Spectral endmember variability on hyperspectral datasets of a martian meteorite " implications for planetary surfaces. <i>Icarus</i> , 2021, 370, 114656.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Inverted channel belts and floodplain clays to the East of Tempe Terra, Mars: Implications for persistent fluvial activity on early Mars. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116854.	4.4	1