

Xiaohui Fu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

252
citations

1040056

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h-index

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all docs

20
docs citations

20
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Olivine-norite rock detected by the lunar rover Yutu-2 likely crystallized from the SPA-impact melt pool. National Science Review, 2020, 7, 913-920.	9.5	51
2	Composition, mineralogy and chronology of mare basalts and non-mare materials in Von K�rm�n crater: Landing site of the Chang�e-4 mission. Planetary and Space Science, 2019, 179, 104741.	1.7	40
3	Characterizing amorphous silicates in extraterrestrial materials: Polymerization effects on Raman and mid-IR spectral features of alkali and alkali earth silicate glasses. Journal of Geophysical Research E: Planets, 2017, 122, 839-855.	3.6	26
4	Mars: new insights and unresolved questions. International Journal of Astrobiology, 2021, 20, 394-426.	1.6	19
5	A Mars Environment Chamber Coupled with Multiple In Situ Spectral Sensors for Mars Exploration. Sensors, 2021, 21, 2519.	3.8	16
6	A Raman Spectroscopic and Microimage Analysis Perspective of the Chang'e-5 Lunar Samples. Geophysical Research Letters, 2022, 49, .	4.0	15
7	Petrogenesis and Shock Metamorphism of Basaltic Lunar Meteorites Northwest Africa 4734 and 10597. Journal of Geophysical Research E: Planets, 2019, 124, 2583-2598.	3.6	12
8	Thermal stability of akaganeite and its desiccation process under conditions relevant to Mars. Icarus, 2020, 336, 113435.	2.5	11
9	Possible Non-Mare Lithologies in the Regolith at the Chang'e-5 Landing Site: Evidence From Remote Sensing Data. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006797.	3.6	10
10	Raman and infrared spectroscopic perspectives of lunar meteorite Northwest Africa 4884. Journal of Raman Spectroscopy, 2020, 51, 1652-1666.	2.5	9
11	Mineralogy of Chang'e-4 landing site: preliminary results of visible and near-infrared imaging spectrometer. Science China Information Sciences, 2020, 63, 1.	4.3	9
12	High-Resolution Terrain Analysis for Lander Safety Landing and Rover Path Planning Based on Lunar Reconnaissance Orbiter Narrow Angle Camera Images: A Case Study of China's Chang'e-4 Probe. Earth and Space Science, 2019, 6, 398-410.	2.6	7
13	Photometric Normalization of Chang'e-4 Visible and Near-Infrared Imaging Spectrometer Datasets: A Combined Study of In-Situ and Laboratory Spectral Measurements. Remote Sensing, 2020, 12, 3211.	4.0	7
14	Raman spectroscopic and geochemical studies of primary and secondary minerals in Martian meteorite Northwest Africa 10720. Journal of Raman Spectroscopy, 2022, 53, 420-434.	2.5	6
15	Deriving terrain factors from high-resolution lunar images: A case study of the Mons R�m�r Region. Geomorphology, 2020, 358, 107114.	2.6	3
16	Petrography, mineralogy, and geochemistry of a new lunar magnesian feldspathic meteorite Northwest Africa 11460. Meteoritics and Planetary Science, 2021, 56, 1857-1889.	1.6	3
17	Geomorphology, Mineralogy, and Geochronology of Mare Basalts and Non-Mare Materials around the Lunar Crisium Basin. Remote Sensing, 2021, 13, 4828.	4.0	3
18	Spatio-Temporal Analysis of Dust Storm Activity in Chryse Planitia Using MGS-MOC Observations from Mars Years 24-28. Universe, 2021, 7, 433.	2.5	2

#	ARTICLE	IF	CITATIONS
19	A Martian Analogues Library (MAL) Applicable for Tianwen-1 MarSCoDe-LIBS Data Interpretation. <i>Remote Sensing</i> , 2022, 14, 2937.	4.0	2
20	Petrology and geochemistry of lunar feldspathic meteorite Northwest Africa 11111: Insights into the lithology of the lunar farside highlands. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1829.	1.6	1