

Samuel Birch

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

597
citations

623734

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times ranked

497
citing authors

#	ARTICLE	IF	CITATIONS
1	A Near-surface Temperature Model of Arrokoth. <i>Planetary Science Journal</i> , 2022, 3, 110.	3.6	9
2	Titan: Earth-like on the Outside, Ocean World on the Inside. <i>Planetary Science Journal</i> , 2021, 2, 112.	3.6	21
3	Fluvial Features on Titan and Earth: Lessons from Planform Images in Low-resolution SAR. <i>Planetary Science Journal</i> , 2021, 2, 142.	3.6	2
4	Geomorphological map of the South Belet Region of Titan. <i>Icarus</i> , 2021, 366, 114516.	2.5	7
5	Spectral and emissivity analysis of the raised ramparts around Titan's northern lakes. <i>Icarus</i> , 2020, 344, 113338.	2.5	13
6	A global geomorphologic map of Saturn's moon Titan. <i>Nature Astronomy</i> , 2020, 4, 228-233.	10.1	46
7	The root of anomalously specular reflections from solid surfaces on Saturn's moon Titan. <i>Nature Communications</i> , 2020, 11, 2829.	12.8	6
8	Labyrinth terrain on Titan. <i>Icarus</i> , 2020, 344, 113764.	2.5	29
9	Raised Rims Around Titan's Sharp-Edged Depressions. <i>Geophysical Research Letters</i> , 2019, 46, 5846-5854.	4.0	13
10	High-Resolution Topography of Titan Adapting the Delay/Doppler Algorithm to the Cassini RADAR Altimeter Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 7262-7268.	6.3	6
11	Migrating Scarps as a Significant Driver for Cometary Surface Evolution. <i>Geophysical Research Letters</i> , 2019, 46, 12794-12804.	4.0	10
12	Generation of photoclinometric DTMs for application to transient changes on the surface of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A10.	5.1	4
13	Titan as Revealed by the Cassini Radar. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	34
14	The case for seasonal surface changes at Titan's lake district. <i>Nature Astronomy</i> , 2019, 3, 506-510.	10.1	19
15	Morphological evidence that Titan's southern hemisphere basins are paleoseas. <i>Icarus</i> , 2018, 310, 140-148.	2.5	24
16	Bathymetry and composition of Titan's Ontario Lacus derived from Monte Carlo-based waveform inversion of Cassini RADAR altimetry data. <i>Icarus</i> , 2018, 300, 203-209.	2.5	38
17	Geomorphology of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S50-S67.	4.4	23
18	Titan's Topography and Shape at the End of the Cassini Mission. <i>Geophysical Research Letters</i> , 2017, 44, 11,754.	4.0	78

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19	Topographic Constraints on the Evolution and Connectivity of Titan's Lacustrine Basins. <i>Geophysical Research Letters</i> , 2017, 44, 11,745.	4.0	43
20	Geomorphologic mapping of titan's polar terrains: Constraining surface processes and landscape evolution. <i>Icarus</i> , 2017, 282, 214-236.	2.5	46
21	Nature, distribution, and origin of Titan's Undifferentiated Plains. <i>Icarus</i> , 2016, 270, 162-182.	2.5	45
22	Liquid-filled canyons on Titan. <i>Geophysical Research Letters</i> , 2016, 43, 7887-7894.	4.0	32
23	Alluvial Fan Morphology, distribution and formation on Titan. <i>Icarus</i> , 2016, 270, 238-247.	2.5	36
24	Penetration of spherical projectiles into wet granular media. <i>Physical Review E</i> , 2014, 90, 032208.	2.1	13