

Shannon M Mackenzie

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

645
citations

567281

15
h-index

580821

25
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38
all docs

38
docs citations

38
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	Science Goals and Objectives for the Dragonfly Titan Rotorcraft Relocatable Lander. <i>Planetary Science Journal</i> , 2021, 2, 130.	3.6	80
2	The Enceladus Orbilander Mission Concept: Balancing Return and Resources in the Search for Life. <i>Planetary Science Journal</i> , 2021, 2, 77.	3.6	74
3	Evidence of Titan's climate history from evaporite distribution. <i>Icarus</i> , 2014, 243, 191-207.	2.5	62
4	Titan's Meteorology Over the Cassini Mission: Evidence for Extensive Subsurface Methane Reservoirs. <i>Geophysical Research Letters</i> , 2018, 45, 5320-5328.	4.0	47
5	The Science Case for a Return to Enceladus. <i>Planetary Science Journal</i> , 2021, 2, 132.	3.6	40
6	Spectral properties of Titan's impact craters imply chemical weathering of its surface. <i>Geophysical Research Letters</i> , 2015, 42, 3746-3754.	4.0	36
7	Selection and Characteristics of the Dragonfly Landing Site near Selk Crater, Titan. <i>Planetary Science Journal</i> , 2021, 2, 24.	3.6	36
8	Structure of Titan's evaporites. <i>Icarus</i> , 2016, 270, 41-56.	2.5	32
9	Returning Samples From Enceladus for Life Detection. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	2.8	32
10	Morphological evidence that Titan's southern hemisphere basins are paleoseas. <i>Icarus</i> , 2018, 310, 140-148.	2.5	24
11	COMPOSITIONAL SIMILARITIES AND DISTINCTIONS BETWEEN TITAN'S EVAPORITIC TERRAINS. <i>Astrophysical Journal</i> , 2016, 821, 17.	4.5	21
12	Titan: Earth-like on the Outside, Ocean World on the Inside. <i>Planetary Science Journal</i> , 2021, 2, 112.	3.6	21
13	Science Objectives for Flagship-Class Mission Concepts for the Search for Evidence of Life at Enceladus. <i>Astrobiology</i> , 2022, 22, 685-712.	3.0	21
14	The case for seasonal surface changes at Titan's lake district. <i>Nature Astronomy</i> , 2019, 3, 506-510.	10.1	19
15	The properties of brightest cluster galaxies in the Sloan Digital Sky Survey Data Release 6 adaptive matched filter cluster catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2817-2830.	4.4	17
16	Possible temperate lakes on Titan. <i>Icarus</i> , 2015, 257, 313-323.	2.5	13
17	THEO concept mission: Testing the Habitability of Enceladus's Ocean. <i>Advances in Space Research</i> , 2016, 58, 1117-1137.	2.6	13
18	The Case for a New Frontiers-Class Uranus Orbiter: System Science at an Underexplored and Unique World with a Mid-scale Mission. <i>Planetary Science Journal</i> , 2022, 3, 58.	3.6	12

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19	A Thermal Inertia Map of Titan. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1728-1742.	3.6	11
20	Spherical Radiative Transfer in C++ (SRTC++): A Parallel Monte Carlo Radiative Transfer Model for Titan. <i>Astronomical Journal</i> , 2018, 155, 264.	4.7	6
21	The root of anomalously specular reflections from solid surfaces on Saturn's moon Titan. <i>Nature Communications</i> , 2020, 11, 2829.	12.8	6
22	Enceladus as a potential oasis for life: Science goals and investigations for future explorations. <i>Experimental Astronomy</i> , 2022, 54, 809-847.	3.7	5
23	Science goals and new mission concepts for future exploration of Titan's atmosphere, geology and habitability: titan POLar scout/orbitEr and in situ lake lander and DrONE explorer (POSEIDON). <i>Experimental Astronomy</i> , 2022, 54, 911-973.	3.7	5
24	Titan's Twilight and Sunset Solar Illumination. <i>Astronomical Journal</i> , 2018, 156, 247.	4.7	3
25	Texture and Composition of Titan's Equatorial Sand Seas Inferred From Cassini SAR Data: Implications for Aeolian Transport and Dune Morphodynamics. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3140-3163.	3.6	3
26	Diffraction-limited Titan Surface Imaging from Orbit Using Near-infrared Atmospheric Windows. <i>Planetary Science Journal</i> , 2020, 1, 24.	3.6	2
27	Protein Stability in Titan's Subsurface Water Ocean. <i>Astrobiology</i> , 2020, 20, 190-198.	3.0	1
28	Prospects for Detecting Volcanic Events with Microwave Radiometry. <i>Remote Sensing</i> , 2020, 12, 2544.	4.0	1
29	Considering intergroup emotions to improve diversity and inclusion in the geosciences. <i>Journal of Geoscience Education</i> , 2021, 69, 248-252.	1.4	1
30	Returning Samples from Enceladus for Life Detection. , 2021, 53, .		1
31	Comparing Structure Stability between Earth and Subsurface Ocean on Titan using Molecular Dynamics Simulation. <i>Biophysical Journal</i> , 2018, 114, 528a.	0.5	0
32	Solving the Alhazen's Ptolemy Problem: Determining Specular Points on Spherical Surfaces for Radiative Transfer of Titan's Seas. <i>Planetary Science Journal</i> , 2021, 2, 63.	3.6	0
33	Titan: Earth-like on the Outside, Ocean World on the Inside. , 2021, 53, .		0
34	Responsiveness to Discovery. , 2021, 53, .		0
35	The Importance of Further Studies and Missions to Understand Cryovolcanism. , 2021, 53, .		0
36	Ocean Worlds: A Roadmap for Science and Exploration. , 2021, 53, .		0