

Alice Le Gall

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

849
citations

516710

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docs citations

25
times ranked

492
citing authors

#	ARTICLE	IF	CITATIONS
1	Titan's surface at 2.2-cm wavelength imaged by the Cassini RADAR radiometer: Calibration and first results. <i>Icarus</i> , 2009, 200, 222-239.	2.5	104
2	Science Goals and Objectives for the Dragonfly Titan Rotorcraft Relocatable Lander. <i>Planetary Science Journal</i> , 2021, 2, 130.	3.6	80
3	Titan's surface at 2.18-cm wavelength imaged by the Cassini RADAR radiometer: Results and interpretations through the first ten years of observation. <i>Icarus</i> , 2016, 270, 443-459.	2.5	79
4	Cassini SAR, radiometry, scatterometry and altimetry observations of Titan's dune fields. <i>Icarus</i> , 2011, 213, 608-624.	2.5	74
5	Global mapping and characterization of Titan's dune fields with Cassini: Correlation between RADAR and VIMS observations. <i>Icarus</i> , 2014, 230, 168-179.	2.5	68
6	A global geomorphologic map of Saturn's moon Titan. <i>Nature Astronomy</i> , 2020, 4, 228-233.	10.1	46
7	Composition, seasonal change, and bathymetry of Ligeia Mare, Titan, derived from its microwave thermal emission. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 233-251.	3.6	44
8	Thermally anomalous features in the subsurface of Enceladus's south polar terrain. <i>Nature Astronomy</i> , 2017, 1, .	10.1	41
9	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
10	Latitudinal and altitudinal controls of Titan's dune field morphometry. <i>Icarus</i> , 2012, 217, 231-242.	2.5	37
11	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
12	Selection and Characteristics of the Dragonfly Landing Site near Selk Crater, Titan. <i>Planetary Science Journal</i> , 2021, 2, 24.	3.6	36
13	Compositional and spatial variations in Titan dune and interdune regions from Cassini VIMS and RADAR. <i>Icarus</i> , 2016, 270, 222-237.	2.5	27
14	Anomalous radar backscatter from Titan's surface?. <i>Icarus</i> , 2011, 212, 321-328.	2.5	26
15	lapetus's near surface thermal emission modeled and constrained using Cassini RADAR Radiometer microwave observations. <i>Icarus</i> , 2014, 241, 221-238.	2.5	20
16	Compositional variations of Titan's impact craters indicates active surface erosion. <i>Icarus</i> , 2019, 321, 508-521.	2.5	19
17	Modeling the SAR backscatter of linear dunes on Earth and Titan. <i>Icarus</i> , 2014, 230, 208-214.	2.5	11
18	The chemical composition of impact craters on Titan. <i>Astronomy and Astrophysics</i> , 2020, 641, A16.	5.1	11

#	ARTICLE	IF	CITATIONS
19	Modeling microwave backscatter and thermal emission from linear dune fields: Application to Titan. <i>Icarus</i> , 2014, 230, 198-207.	2.5	10
20	The Bathymetry of Moray Sinus at Titan's Kraken Mare. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006558.	3.6	10
21	Dust and Snow Cover on Saturn's Icy Moons. <i>Geophysical Research Letters</i> , 2019, 46, 11747-11755.	4.0	9
22	Rhea's subsurface probed by the Cassini radiometer: Insights into its thermal, structural, and compositional properties. <i>Icarus</i> , 2020, 352, 113947.	2.5	9
23	The root of anomalously specular reflections from solid surfaces on Saturn's moon Titan. <i>Nature Communications</i> , 2020, 11, 2829.	12.8	6
24	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
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