

Valerio Poggiali

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

646
citations

687220

13
h-index

752573

20
g-index

23
all docs

23
docs citations

23
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	The bathymetry of a Titan sea. <i>Geophysical Research Letters</i> , 2014, 41, 1432-1437.	1.5	119
2	Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363.	1.2	119
3	Titan's Topography and Shape at the End of the Cassini Mission. <i>Geophysical Research Letters</i> , 2017, 44, 11,754.	1.5	78
4	Topographic Constraints on the Evolution and Connectivity of Titan's Lacustrine Basins. <i>Geophysical Research Letters</i> , 2017, 44, 11,745.	1.5	43
5	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.	1.1	38
6	Titan as Revealed by the Cassini Radar. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	34
7	Liquid-filled canyons on Titan. <i>Geophysical Research Letters</i> , 2016, 43, 7887-7894.	1.5	32
8	Radar Sounding Using the Cassini Altimeter: Waveform Modeling and Monte Carlo Approach for Data Inversion of Observations of Titan's Seas. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 5646-5656.	2.7	31
9	Deep and methane-rich lakes on Titan. <i>Nature Astronomy</i> , 2019, 3, 535-542.	4.2	30
10	Titan dune heights retrieval by using Cassini Radar Altimeter. <i>Icarus</i> , 2014, 230, 191-197.	1.1	24
11	Cassini radar observation of Punga Mare and environs: Bathymetry and composition. <i>Earth and Planetary Science Letters</i> , 2018, 496, 89-95.	1.8	20
12	Constraining the physical properties of Titan's empty lake basins using nadir and off-nadir Cassini RADAR backscatter. <i>Icarus</i> , 2016, 270, 57-66.	1.1	19
13	Possible explosion crater origin of small lake basins with raised rims on Titan. <i>Nature Geoscience</i> , 2019, 12, 791-796.	5.4	14
14	Raised Rims Around Titan's Sharp-Edged Depressions. <i>Geophysical Research Letters</i> , 2019, 46, 5846-5854.	1.5	13
15	The Bathymetry of Moray Sinus at Titan's Kraken Mare. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006558.	1.5	10
16	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.	2.7	6
17	Synergy of Cassini SAR and altimeter acquisitions for the retrieval of dune field characteristics on Titan. <i>Proceedings of SPIE</i> , 2012, , .	0.8	5
18	Dune Height Estimation on Titan Exploiting Pairs of Synthetic Aperture Radar Images With Different Observation Angles. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 1295-1306.	2.3	4

#	ARTICLE	IF	CITATIONS
19	Geomorphological Analysis of the Southwestern Margin of Xanadu, Titan: Insights on Tectonics. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006407.	1.5	4
20	Diverse evolution of mountains and hummocks on Titan as observed by the Cassini RADAR altimeter. Icarus, 2022, 374, 114775.	1.1	2
21	Advanced processing of altimetry Cassini radar data. , 2011, , .		0