

Giuseppe Mitri

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of Enceladus and Titan: investigating ocean worldsâ€™ evolution and habitability in the Saturn system. <i>Experimental Astronomy</i> , 2022, 54, 877-910.	3.7	3
2	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
3	Frequency-dependent Ganymedeâ€™s tidal Love number k_2 detection by JUICEâ€™s 3GM experiment and implications for the subsurface ocean thickness. <i>Icarus</i> , 2022, 386, 115150.	2.5	2
4	Lunar Gravitational-wave Antenna. <i>Astrophysical Journal</i> , 2021, 910, 1.	4.5	41
5	Evidence of non-uniform crust of Ceres from Dawnâ€™s high-resolution gravity data. <i>Nature Astronomy</i> , 2020, 4, 748-755.	10.1	30
6	Relict Ocean Worlds: Ceres. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	14
7	Ice-Ocean Exchange Processes in the Jovian and Saturnian Satellites. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	43
8	Geomorphological Analysis of the Southwestern Margin of Xanadu, Titan: Insights on Tectonics. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006407.	3.6	4
9	Possible explosion crater origin of small lake basins with raised rims on Titan. <i>Nature Geoscience</i> , 2019, 12, 791-796.	12.9	14
10	Titan as Revealed by the Cassini Radar. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	34
11	A corridor of exposed ice-rich bedrock across Titanâ€™s tropical region. <i>Nature Astronomy</i> , 2019, 3, 642-648.	10.1	23
12	Deep and methane-rich lakes on Titan. <i>Nature Astronomy</i> , 2019, 3, 535-542.	10.1	30
13	Explorer of Enceladus and Titan (E2T): Investigating ocean worlds' evolution and habitability in the solar system. <i>Planetary and Space Science</i> , 2018, 155, 73-90.	1.7	26
14	Evidence of transpressional tectonics on the Uruk Sulcus region, Ganymede. <i>Tectonophysics</i> , 2018, 749, 72-87.	2.2	14
15	Radar evidence of subglacial liquid water on Mars. <i>Science</i> , 2018, 361, 490-493.	12.6	346
16	Future Exploration of Enceladus and Other Saturnian Moons. , 2018, , .		2
17	Radar Signal Penetration and Horizons Detection on Europa Through Numerical Simulations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 118-129.	4.9	17
18	Spreading vs. Rifting as modes of extensional tectonics on the globally expanded Ganymede. <i>Icarus</i> , 2017, 288, 148-159.	2.5	10

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19	Geomorphological evidence for ground ice on dwarf planet Ceres. <i>Nature Geoscience</i> , 2017, 10, 338-343.	12.9	83
20	Enceladus's internal ocean and ice shell constrained from Cassini gravity, shape, and libration data. <i>Geophysical Research Letters</i> , 2016, 43, 5653-5660.	4.0	141
21	The rotational dynamics of Titan from Cassini RADAR images. <i>Icarus</i> , 2016, 275, 183-192.	2.5	15
22	Jupiter ICY moon explorer (JUICE): Advances in the design of the radar for Icy Moons (RIME). , 2015, , .		29
23	The exploration of Titan with an orbiter and a lake probe. <i>Planetary and Space Science</i> , 2014, 104, 78-92.	1.7	26
24	Science goals and mission concept for the future exploration of Titan and Enceladus. <i>Planetary and Space Science</i> , 2014, 104, 59-77.	1.7	15
25	The bathymetry of a Titan sea. <i>Geophysical Research Letters</i> , 2014, 41, 1432-1437.	4.0	119
26	Shape, topography, gravity anomalies and tidal deformation of Titan. <i>Icarus</i> , 2014, 236, 169-177.	2.5	88
27	RIME: Radar for Icy Moon Exploration. , 2013, , .		57
28	Titan's Xanadu region: Geomorphology and formation scenario. <i>Icarus</i> , 2013, 223, 796-803.	2.5	9
29	Regional geomorphology and history of Titan's Xanadu province. <i>Icarus</i> , 2011, 211, 672-685.	2.5	52
30	Transient surface liquid in Titan's polar regions from Cassini. <i>Icarus</i> , 2011, 211, 655-671.	2.5	113
31	Distribution and interplay of geologic processes on Titan from Cassini radar data. <i>Icarus</i> , 2010, 205, 540-558.	2.5	122
32	Active shoreline of Ontario Lacus, Titan: A morphological study of the lake and its surroundings. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	66
33	Mountains on Titan: Modeling and observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	54
34	Beyond Earth: How extra-terrestrial volcanism has changed our definition of a volcano. , 2010, , .		9
35	Cassini RADAR images at Hotei Arcus and western Xanadu, Titan: Evidence for geologically recent cryovolcanic activity. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	55
36	Titan's Interior Structure. , 2009, , 61-73.		23

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37	Resurfacing of Titan by ammonia-water cryomagma. <i>Icarus</i> , 2008, 196, 216-224.	2.5	86
38	Thermal convection in ice-I shells of Titan and Enceladus. <i>Icarus</i> , 2008, 193, 387-396.	2.5	63
39	A model for the temperature-dependence of tidal dissipation in convective plumes on icy satellites: Implications for Europa and Enceladus. <i>Icarus</i> , 2008, 195, 758-764.	2.5	37
40	Titan's inventory of organic surface materials. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	184
41	Hydrocarbon lakes on Titan: Distribution and interaction with a porous regolith. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	227
42	The lakes and seas of Titan. <i>Eos</i> , 2007, 88, 569-570.	0.1	30
43	Hydrocarbon lakes on Titan. <i>Icarus</i> , 2007, 186, 385-394.	2.5	188
44	Convective-conductive transitions and sensitivity of a convecting ice shell to perturbations in heat flux and tidal-heating rate: Implications for Europa. <i>Icarus</i> , 2005, 177, 447-460.	2.5	89
45	Putative ice flows on Europa: Geometric patterns and relation to topography collectively constrain material properties and effusion rates. <i>Icarus</i> , 2005, 177, 413-424.	2.5	35