

Jason Leonard

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

578
citations

840776

11
h-index

1058476

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18
all docs

18
docs citations

18
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamic geophysical environment of (101955) Bennu based on OSIRIS-REx measurements. <i>Nature Astronomy</i> , 2019, 3, 352-361.	10.1	132
2	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. <i>Science</i> , 2019, 366, .	12.6	129
3	Hemispherical differences in the shape and topography of asteroid (101955) Bennu. <i>Science Advances</i> , 2020, 6, .	10.3	57
4	Trajectory Estimation for Particles Observed in the Vicinity of (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006363.	3.6	51
5	Heterogeneous mass distribution of the rubble-pile asteroid (101955) Bennu. <i>Science Advances</i> , 2020, 6, .	10.3	50
6	Ephemeris and hazard assessment for near-Earth asteroid (101955) Bennu based on OSIRIS-REx data. <i>Icarus</i> , 2021, 369, 114594.	2.5	28
7	Overcoming the Challenges Associated with Image-Based Mapping of Small Bodies in Preparation for the OSIRIS-REx Mission to (101955) Bennu. <i>Earth and Space Science</i> , 2018, 5, 929-949.	2.6	26
8	Photometry of Particles Ejected From Active Asteroid (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006381.	3.6	23
9	Reconstruction of Bennu Particle Events From Sparse Data. <i>Earth and Space Science</i> , 2020, 7, e2019EA000938.	2.6	18
10	Internal rubble properties of asteroid (101955) Bennu. <i>Icarus</i> , 2021, 370, 114665.	2.5	15
11	Initial Orbit Determination and Event Reconstruction From Estimation of Particle Trajectories About (101955) Bennu. <i>Earth and Space Science</i> , 2020, 7, e2019EA000937.	2.6	14
12	Autonomous Detection of Particles and Tracks in Optical Images. <i>Earth and Space Science</i> , 2020, 7, e2019EA000843.	2.6	9
13	Outgassing from the OSIRIS-REx sample return capsule: characterization and mitigation. <i>Acta Astronautica</i> , 2020, 166, 391-399.	3.2	7
14	Mass and Shape Determination of (101955) Bennu Using Differenced Data from Multiple OSIRIS-REx Mission Phases. <i>Planetary Science Journal</i> , 2021, 2, 219.	3.6	6
15	OSIRIS-REx Proximity Operations and Navigation Performance at Bennu. , 2022, , .		5
16	Small Body Proximity Operations & TAG: Navigation Experiences & Lessons Learned from the OSIRIS-REx Mission. , 2022, , .		4
17	OSIRIS-REx Pointing Performance. , 2022, , .		3