Daniella N Dellagiustina

List of Publications by Year
in descending order

52 papers	2,802 citations	257450 24 h-index	189892 50 g-index

65 all docs	65 docs citations	65 times ranked	1522 citing authors

#	Article	IF	Citations
1	Cross-Instrument Comparison of MapCam and OVIRS on OSIRIS-REx. Space Science Reviews, 2022, 218, 5.	8.1	2
2	The Detection of Seismicity on Icy Ocean Worlds by Singleâ€Station and Smallâ€Aperture Seismometer Arrays. Earth and Space Science, 2022, 9, .	2.6	3
3	Crater population on asteroid (101955) Bennu indicates impact armouring and a young surface. Nature Geoscience, 2022, 15, 440-446.	12.9	20
4	The Formation of Terraces on Asteroid (101955) Bennu. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	14
5	Low surface strength of the asteroid Bennu inferred from impact ejecta deposit. Nature Geoscience, 2022, 15, 447-452.	12.9	19
6	Assessing the Sampleability of Bennuâ€™s Surface for the OSIRIS-REx Asteroid Sample Return Mission. Space Science Reviews, 2022, 218, 20.	8.1	12
7	Alignment of fractures on Bennuâ€™s boulders indicative of rapid asteroid surface evolution. Nature Geoscience, 2022, 15, 453-457.	12.9	11
8	Near-zero cohesion and loose packing of Bennuâ€™s near subsurface revealed by spacecraft contact. Science Advances, 2022, 8, .	10.3	31
9	Spacecraft sample collection and subsurface excavation of asteroid (101955) Bennu. Science, 2022, 377, 285-291.	12.6	39
10	Photometry of asteroid (101955) Bennu with OVIRS on OSIRIS-REx. Icarus, 2021, 358, 114183.	2.5	25
11	Exogenic basalt on asteroid (101955) Bennu. Nature Astronomy, 2021, 5, 31-38.	10.1	57
12	The Deployment of the Seismometer to Investigate Ice and Ocean Structure (SIIOS) in Northwest Greenland: An Analog Experiment for Icy Ocean World Seismic Deployments. Seismological Research Letters, 2021, 92, 2036-2049.	1.9	5
13	Modeling optical roughness and first-order scattering processes from OSIRIS-REx color images of the rough surface of asteroid (101955) Bennu. Icarus, 2021, 357, 114106.	2.5	8
14	Particle Size-Frequency Distributions of the OSIRIS-REx Candidate Sample Sites on Asteroid (101955) Bennu. Remote Sensing, 2021, 13, 1315.	4.0	33
15	The Role of Hydrated Minerals and Space Weathering Products in the Bluing of Carbonaceous Asteroids. Planetary Science Journal, 2021, 2, 68.	3.6	14
16	Spectrophotometric Modeling and Mapping of (101955) Bennu. Planetary Science Journal, 2021, 2, 117.	3.6	9
17	Spectral effects of varying texture and composition in twoâ€component â€œmudpieâ€•simulations: Insights for asteroid (101955) Bennu. Meteoritics and Planetary Science, 2021, 56, 1173-1190.	1.6	5
18	Characterization of Exogenic Boulders on the Near-Earth Asteroid (101955) Bennu from OSIRIS-REx Color Images. Planetary Science Journal, 2021, 2, 114.	3.6	5

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19	Regional Photometric Modeling of Asteroid (101955) Bennu. Planetary Science Journal, 2021, 2, 124.	3.6	4
20	Geophysical constraints on the properties of a subglacial lake in northwest Greenland. Cryosphere, 2021, 15, 3279-3291.	3.9	5
21	Widely distributed exogenic materials of varying compositions and morphologies on asteroid (101955) Bennu. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2053-2070.	4.4	9
22	High-resolution observations of bright boulders on asteroid Ryugu: 1. Size frequency distribution and morphology. Icarus, 2021, 369, 114529.	2.5	2
23	High-resolution observations of bright boulders on asteroid Ryugu: 2. Spectral properties. Icarus, 2021, 369, 114591.	2.5	5
24	Fine-regolith production on asteroids controlled by rock porosity. Nature, 2021, 598, 49-52.	27.8	45
25	Hemispherical differences in the shape and topography of asteroid (101955) Bennu. Science Advances, 2020, 6, .	10.3	57
26	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. Science, 2020, 370, .	12.6	56
27	Bright carbonate veins on asteroid (101955) Bennu: Implications for aqueous alteration history. Science, 2020, 370, .	12.6	71
28	Variations in color and reflectance on the surface of asteroid (101955) Bennu. Science, 2020, 370, .	12.6	84
29	Asteroid (101955) Bennuâ€™s weak boulders and thermally anomalous equator. Science Advances, 2020, 6, .	10.3	83
30	Photometry of Particles Ejected From Active Asteroid (101955) Bennu. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006381.	3.6	23
31	Bennuâ€™s near-Earth lifetime of 1.75 million years inferred from craters on its boulders. Nature, 2020, 587, 205-209.	27.8	62
32	Global Patterns of Recent Mass Movement on Asteroid (101955) Bennu. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006475.	3.6	60
33	In situ evidence of thermally induced rock breakdown widespread on Bennuâ€™s surface. Nature Communications, 2020, 11, 2913.	12.8	62
34	The Deployment of the Seismometer to Investigate Ice and Ocean Structure (SIIOS) on Gulkana Glacier, Alaska. Seismological Research Letters, 2020, 91, 1901-1914.	1.9	8
35	OSIRIS-REx spectral analysis of (101955) Bennu by multivariate statistics. Astronomy and Astrophysics, 2020, 637, L4.	5.1	23
36	Ground and In-Flight Calibration of the OSIRIS-REx Camera Suite. Space Science Reviews, 2020, 216, 12.	8.1	57

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37	The Fukang pallasite: Characterization and implications for the history of the Mainâ€group parent body. Meteoritics and Planetary Science, 2019, 54, 1781-1807.	1.6	4
38	OSIRISâ€REx Visible and Nearâ€Infrared Observations of the Moon. Geophysical Research Letters, 2019, 46, 6322-6326.	4.0	8
39	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. Nature Communications, 2019, 10, 1291.	12.8	99
40	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. Nature Astronomy, 2019, 3, 341-351.	10.1	188
41	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. Nature Geoscience, 2019, 12, 242-246.	12.9	161
42	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. Nature Geoscience, 2019, 12, 247-252.	12.9	179
43	The unexpected surface of asteroid (101955) Bennu. Nature, 2019, 568, 55-60.	27.8	364
44	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. Science, 2019, 366, .	12.6	129
45	OCAMS: The OSIRIS-REx Camera Suite. Space Science Reviews, 2018, 214, 1.	8.1	119
46	Overcoming the Challenges Associated with Imageâ€Based Mapping of Small Bodies in Preparation for the OSIRISâ€REx Mission to (101955) Bennu. Earth and Space Science, 2018, 5, 929-949.	2.6	26
47	Expected spectral characteristics of (101955) Bennu and (162173) Ryugu, targets of the OSIRIS-REx and Hayabusa2 missions. Icarus, 2018, 313, 25-37.	2.5	23
48	OSIRIS-REx: Sample Return from Asteroid (101955) Bennu. Space Science Reviews, 2017, 212, 925-984.	8.1	426
49	Comparing ramp rates from large and small PV systems, and selection of batteries for ramp rate control. , 2013, , .		26
50	The consequence of soiling on PV system performance in Arizona; Comparing three study methods. , 2013, , .		5
51	Conversion efficiencies of six grid-tied inverters at the Tucson electric power solar test yard. , 2013, , .		1
52	PHOTOGRAMMETRIC PROCESSING OF OSIRIS-REX IMAGES OF ASTEROID (101955) BENNU. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-3-2020, 587-594.	0.0	4