

Carina A Bennett

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,183
citations

394286

19
h-index

580701

25
g-index

29
all docs

29
docs citations

29
times ranked

1356
citing authors

#	ARTICLE	IF	CITATIONS
1	OSIRIS-REx: Sample Return from Asteroid (101955) Bennu. <i>Space Science Reviews</i> , 2017, 212, 925-984.	3.7	426
2	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019, 568, 55-60.	13.7	364
3	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	4.2	188
4	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. <i>Nature Geoscience</i> , 2019, 12, 247-252.	5.4	179
5	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. <i>Nature Geoscience</i> , 2019, 12, 242-246.	5.4	161
6	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. <i>Science</i> , 2019, 366, .	6.0	129
7	Variations in color and reflectance on the surface of asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	6.0	84
8	Asteroid (101955) Bennu's weak boulders and thermally anomalous equator. <i>Science Advances</i> , 2020, 6, .	4.7	83
9	Bright carbonate veins on asteroid (101955) Bennu: Implications for aqueous alteration history. <i>Science</i> , 2020, 370, .	6.0	71
10	Bennu's near-Earth lifetime of 1.75 million years inferred from craters on its boulders. <i>Nature</i> , 2020, 587, 205-209.	13.7	62
11	In situ evidence of thermally induced rock breakdown widespread on Bennu's surface. <i>Nature Communications</i> , 2020, 11, 2913.	5.8	62
12	Global Patterns of Recent Mass Movement on Asteroid (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006475.	1.5	60
13	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	6.0	56
14	Fine-regolith production on asteroids controlled by rock porosity. <i>Nature</i> , 2021, 598, 49-52.	13.7	45
15	Spacecraft sample collection and subsurface excavation of asteroid (101955) Bennu. <i>Science</i> , 2022, 377, 285-291.	6.0	39
16	Particle Size-Frequency Distributions of the OSIRIS-REx Candidate Sample Sites on Asteroid (101955) Bennu. <i>Remote Sensing</i> , 2021, 13, 1315.	1.8	33
17	Near-zero cohesion and loose packing of Bennu's near subsurface revealed by spacecraft contact. <i>Science Advances</i> , 2022, 8, .	4.7	31
18	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.	1.1	26

#	ARTICLE	IF	CITATIONS
19	Photometry of asteroid (101955) Bennu with OVIRS on OSIRIS-REx. <i>Icarus</i> , 2021, 358, 114183.	1.1	25
20	Crater population on asteroid (101955) Bennu indicates impact armouring and a young surface. <i>Nature Geoscience</i> , 2022, 15, 440-446.	5.4	20
21	Assessing the Sampleability of Bennu's Surface for the OSIRIS-REx Asteroid Sample Return Mission. <i>Space Science Reviews</i> , 2022, 218, 20.	3.7	12
22	Alignment of fractures on Bennu's boulders indicative of rapid asteroid surface evolution. <i>Nature Geoscience</i> , 2022, 15, 453-457.	5.4	11
23	Regional Photometric Modeling of Asteroid (101955) Bennu. <i>Planetary Science Journal</i> , 2021, 2, 124.	1.5	4
24	PHOTOGRAMMETRIC PROCESSING OF OSIRIS-REX IMAGES OF ASTEROID (101955) BENNU. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, V-3-2020, 587-594.	0.0	4