Humberto Campins

List of Publications by Year
in descending order

33 papers	2,275 citations	304743 22 h-index	414414 32 g-index
37 all docs	37 docs citations	37 times ranked	1582 citing authors

#	Article	IF	Citations
1	Linear Modeling of Spectra of Fine Particulate Materials: Implications for Compositional Analyses of Primitive Asteroids. Earth and Space Science, 2022, 9, .	2.6	1
2	Spacecraft sample collection and subsurface excavation of asteroid (101955) Bennu. Science, 2022, 377, 285-291.	12.6	39
3	Exogenic basalt on asteroid (101955) Bennu. Nature Astronomy, 2021, 5, 31-38.	10.1	57
4	The Role of Hydrated Minerals and Space Weathering Products in the Bluing of Carbonaceous Asteroids. Planetary Science Journal, 2021, 2, 68.	3.6	14
5	Bennu's global surface and two candidate sample sites characterized by spectral clustering of OSIRIS-REx multispectral images. Icarus, 2021, 364, 114467.	2.5	14
6	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
7	Composition of organics on asteroid (101955) Bennu. Astronomy and Astrophysics, 2021, 653, L1.	5.1	10
8	Spectral diversity of the inner belt primitive asteroid background population. Icarus, 2021, 368, 114619.	2.5	2
9	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. Nature Communications, 2021, 12, 5837.	12.8	23
10	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. Science, 2020, 370, .	12.6	56
11	Bright carbonate veins on asteroid (101955) Bennu: Implications for aqueous alteration history. Science, 2020, 370, .	12.6	71
12	Variations in color and reflectance on the surface of asteroid (101955) Bennu. Science, 2020, 370, .	12.6	84
13	In situ evidence of thermally induced rock breakdown widespread on Bennuâ€™s surface. Nature Communications, 2020, 11, 2913.	12.8	62
14	Clarissa Family Age from the Yarkovsky Effect Chronology. Astronomical Journal, 2020, 160, 127.	4.7	4
15	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. Nature Communications, 2019, 10, 1291.	12.8	99
16	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. Nature Astronomy, 2019, 3, 341-351.	10.1	188
17	The unexpected surface of asteroid (101955) Bennu. Nature, 2019, 568, 55-60.	27.8	364
18	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. Science, 2019, 366, .	12.6	129

#	Article	IF	Citations
19	Visible spectroscopy of the Sulamitis and Clarissa primitive families: a possible link to Erigone and Polana. Astronomy and Astrophysics, 2018, 610, A25.	5.1	18
20	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
21	Portrait of the Polanaâ€“Eulalia family complex: Surface homogeneity revealed from near-infrared spectroscopy. Icarus, 2016, 274, 231-248.	2.5	24
22	Spectral slope variations for OSIRIS-REx target Asteroid (101955) Bennu: Possible evidence for a fine-grained regolith equatorial ridge. Icarus, 2015, 256, 22-29.	2.5	54
23	The OSIRISâ€REx target asteroid (101955) Bennu: Constraints on its physical, geological, and dynamical nature from astronomical observations. Meteoritics and Planetary Science, 2015, 50, 834-849.	1.6	168
24	In search of the source of asteroid (101955) Bennu: Applications of the stochastic YORP model. Icarus, 2015, 247, 191-217.	2.5	125
25	THE ORIGIN OF ASTEROID 162173 (1999 JU₃). Astronomical Journal, 2013, 146, 26.	4.7	53
26	Spectra of asteroid families in support of Gaia. Planetary and Space Science, 2012, 73, 95-97.	1.7	8
27	Near-infrared spectroscopic survey of B-type asteroids: Compositional analysis. Icarus, 2012, 218, 196-206.	2.5	70
28	THE ORIGIN OF ASTEROID 101955 (1999 RQ₃₆). Astrophysical Journal Letters, 2010, 721, L53-L57.	8.3	75
29	Water ice and organics on the surface of the asteroid 24 Themis. Nature, 2010, 464, 1320-1321.	27.8	312
30	Spectroscopy of Bâ€type asteroids: Subgroups and meteorite analogs. Journal of Geophysical Research, 2010, 115, .	3.3	77
31	Are the main belt comets, comets?. Proceedings of the International Astronomical Union, 2009, 5, 215-217.	0.0	0
32	Origin of water on the terrestial planets. Proceedings of the International Astronomical Union, 2005, 1, 381-394.	0.0	15
33	Observational Constraints On Surface Characteristics Of Comet Nuclei. Earth, Moon and Planets, 2000, 89, 117-134.	0.6	27