

# Humberto Campins

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/471294/publications.pdf>

Version: 2024-02-01

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	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019, 568, 55-60.	27.8	364
2	Water ice and organics on the surface of the asteroid 24 Themis. <i>Nature</i> , 2010, 464, 1320-1321.	27.8	312
3	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	10.1	188
4	The OSIRIS-REx target asteroid (101955) Bennu: Constraints on its physical, geological, and dynamical nature from astronomical observations. <i>Meteoritics and Planetary Science</i> , 2015, 50, 834-849.	1.6	168
5	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. <i>Science</i> , 2019, 366, .	12.6	129
6	In search of the source of asteroid (101955) Bennu: Applications of the stochastic YORP model. <i>Icarus</i> , 2015, 247, 191-217.	2.5	125
7	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019, 10, 1291.	12.8	99
8	Variations in color and reflectance on the surface of asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	84
9	Spectroscopy of B-type asteroids: Subgroups and meteorite analogs. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	77
10	THE ORIGIN OF ASTEROID 101955 (1999 RQ <sub>36</sub> ). <i>Astrophysical Journal Letters</i> , 2010, 721, L53-L57.	8.3	75
11	Bright carbonate veins on asteroid (101955) Bennu: Implications for aqueous alteration history. <i>Science</i> , 2020, 370, .	12.6	71
12	Near-infrared spectroscopic survey of B-type asteroids: Compositional analysis. <i>Icarus</i> , 2012, 218, 196-206.	2.5	70
13	In situ evidence of thermally induced rock breakdown widespread on Bennu's surface. <i>Nature Communications</i> , 2020, 11, 2913.	12.8	62
14	Exogenic basalt on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2021, 5, 31-38.	10.1	57
15	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	56
16	Spectral slope variations for OSIRIS-REx target Asteroid (101955) Bennu: Possible evidence for a fine-grained regolith equatorial ridge. <i>Icarus</i> , 2015, 256, 22-29.	2.5	54
17	THE ORIGIN OF ASTEROID 162173 (1999 JU <sub>3</sub> ). <i>Astronomical Journal</i> , 2013, 146, 26.	4.7	53
18	Spacecraft sample collection and subsurface excavation of asteroid (101955) Bennu. <i>Science</i> , 2022, 377, 285-291.	12.6	39

#	ARTICLE	IF	CITATIONS
19	Observational Constraints On Surface Characteristics Of Comet Nuclei. Earth, Moon and Planets, 2000, 89, 117-134.	0.6	27
20	Portrait of the Polanaâ€Eulalia family complex: Surface homogeneity revealed from near-infrared spectroscopy. Icarus, 2016, 274, 231-248.	2.5	24
21	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
22	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. Nature Communications, 2021, 12, 5837.	12.8	23
23	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
24	Origin of water on the terrestrial planets. Proceedings of the International Astronomical Union, 2005, 1, 381-394.	0.0	15
25	The Role of Hydrated Minerals and Space Weathering Products in the Bluing of Carbonaceous Asteroids. Planetary Science Journal, 2021, 2, 68.	3.6	14
26	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
27	Composition of organics on asteroid (101955) Bennu. Astronomy and Astrophysics, 2021, 653, L1.	5.1	10
28	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
29	Spectra of asteroid families in support of Gaia. Planetary and Space Science, 2012, 73, 95-97.	1.7	8
30	Clarissa Family Age from the Yarkovsky Effect Chronology. Astronomical Journal, 2020, 160, 127.	4.7	4
31	Spectral diversity of the inner belt primitive asteroid background population. Icarus, 2021, 368, 114619.	2.5	2
32	Linear Modeling of Spectra of Fine Particulate Materials: Implications for Compositional Analyses of Primitive Asteroids. Earth and Space Science, 2022, 9, .	2.6	1
33	Are the main belt comets, comets?. Proceedings of the International Astronomical Union, 2009, 5, 215-217.	0.0	0