

Hannah H Kaplan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,486
citations

516215

16
h-index

610482

24
g-index

26
all docs

26
docs citations

26
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019, 568, 55-60.	13.7	364
2	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	4.2	251
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	Variations in color and reflectance on the surface of asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	6.0	84
5	Asteroid (101955) Bennu's weak boulders and thermally anomalous equator. <i>Science Advances</i> , 2020, 6, .	4.7	83
6	Bright carbonate veins on asteroid (101955) Bennu: Implications for aqueous alteration history. <i>Science</i> , 2020, 370, .	6.0	71
7	Global Patterns of Recent Mass Movement on Asteroid (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006475.	1.5	60
8	Exogenic basalt on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2021, 5, 31-38.	4.2	57
9	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	6.0	56
10	Spacecraft sample collection and subsurface excavation of asteroid (101955) Bennu. <i>Science</i> , 2022, 377, 285-291.	6.0	39
11	New Constraints on the Abundance and Composition of Organic Matter on Ceres. <i>Geophysical Research Letters</i> , 2018, 45, 5274-5282.	1.5	37
12	Evidence for limited compositional and particle size variation on asteroid (101955) Bennu from thermal infrared spectroscopy. <i>Astronomy and Astrophysics</i> , 2021, 650, A120.	2.1	30
13	Photometry of asteroid (101955) Bennu with OVIRS on OSIRIS-REx. <i>Icarus</i> , 2021, 358, 114183.	1.1	25
14	Reflectance spectroscopy of insoluble organic matter (IOM) and carbonaceous meteorites. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1051-1068.	0.7	22
15	Weak spectral features on (101995) Bennu from the OSIRIS-REx Visible and InfraRed Spectrometer. <i>Astronomy and Astrophysics</i> , 2020, 644, A148.	2.1	22
16	Orbital evidence for clay and acidic sulfate assemblages on Mars based on mineralogical analogs from Rio Tinto, Spain. <i>Icarus</i> , 2016, 275, 45-64.	1.1	16
17	Science exploration architecture for Phobos and Deimos: The role of Phobos and Deimos in the future exploration of Mars. <i>Advances in Space Research</i> , 2018, 62, 2174-2186.	1.2	16
18	The Role of Hydrated Minerals and Space Weathering Products in the Bluing of Carbonaceous Asteroids. <i>Planetary Science Journal</i> , 2021, 2, 68.	1.5	14

#	ARTICLE	IF	CITATIONS
19	Reflectance Spectroscopy of Organic Matter in Sedimentary Rocks at Mid-Infrared Wavelengths. <i>Clays and Clay Minerals</i> , 2018, 66, 173-189.	0.6	10
20	Composition of organics on asteroid (101955) Bennu. <i>Astronomy and Astrophysics</i> , 2021, 653, L1.	2.1	10
21	Reflectance Spectroscopy for Organic Detection And Quantification in Clay-bearing Samples: Effects of Albedo, Clay Type, and Water Content. <i>Clays and Clay Minerals</i> , 2016, 64, 167-184.	0.6	9
22	Widely distributed exogenic materials of varying compositions and morphologies on asteroid (101955) Bennu. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2053-2070.	1.6	9
23	Visible-“near infrared spectral indices for mapping mineralogy and chemistry with OSIRIS-REx. <i>Meteoritics and Planetary Science</i> , 2020, 55, 744-765.	0.7	7
24	GRO 95577 (CR1) as a mineralogical analogue for asteroid (101955) Bennu. <i>Icarus</i> , 2022, 383, 115054.	1.1	6