Kimberly Ennico

List of Publications by Year
in descending order

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75 papers	3,413 citations	126907 33 h-index	144013 57 g-index
75 all docs	75 docs citations	75 times ranked	2001 citing authors

#	Article	IF	Citations
1	Tracing seasonal trends across Plutoâ€™s craters: New Horizons Ralph/MVIC results. Icarus, 2022, 373, 114771.	2.5	1
2	Pluto's Far Side. Icarus, 2021, 356, 113805.	2.5	18
3	Cryovolcanic flooding in Viking Terra on Pluto. Icarus, 2021, 356, 113786.	2.5	9
4	Global compositional cartography of Pluto from intensity-based registration of LEISA data. Icarus, 2021, 356, 113833.	2.5	9
5	Distribution and energy balance of Plutoâ€™s nitrogen ice, as seen by New Horizons in 2015. Icarus, 2021, 356, 113633.	2.5	6
6	Charonâ€™s Far Side Geomorphology. Planetary Science Journal, 2021, 2, 141.	3.6	2
7	High-resolution radiometry of Pluto at 4.2Âcm with New Horizons. Icarus, 2021, 363, 114430.	2.5	1
8	The Dark Side of Pluto. Planetary Science Journal, 2021, 2, 214.	3.6	2
9	Charon: A Brief History of Tides. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006449.	3.6	4
10	New Horizons Observations of an Ultraviolet Stellar Occultation and Appulse by Plutoâ€™s Atmosphere. Astronomical Journal, 2020, 159, 26.	4.7	3
11	Pluto's Beating Heart Regulates the Atmospheric Circulation: Results From Highâ€Resolution and Multiyear Numerical Climate Simulations. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006120.	3.6	16
12	Pluto's Ultraviolet Spectrum, Surface Reflectance, and Airglow Emissions. Astronomical Journal, 2020, 159, 274.	4.7	12
13	Suprathermal Ions in the Outer Heliosphere. Astrophysical Journal, 2019, 876, 46.	4.5	15
14	The nature and origin of Charon's smooth plains. Icarus, 2019, 323, 16-32.	2.5	26
15	Geologic Landforms and Chronostratigraphic History of Charon as Revealed by a Hemispheric Geologic Map. Journal of Geophysical Research E: Planets, 2019, 124, 155-174.	3.6	11
16	Detection of ammonia on Plutoâ€™s surface in a region of geologically recent tectonism. Science Advances, 2019, 5, eaav5731.	10.3	49
17	Constraining the IMF at Pluto Using New Horizons SWAP Data and Hybrid Simulations. Journal of Geophysical Research: Space Physics, 2019, 124, 1568-1581.	2.4	2
18	The CH4 cycles on Pluto over seasonal and astronomical timescales. Icarus, 2019, 329, 148-165.	2.5	38

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19	Recent cryovolcanism in Virgil Fossae on Pluto. Icarus, 2019, 330, 155-168.	2.5	45
20	Impact craters on Pluto and Charon indicate a deficit of small Kuiper belt objects. Science, 2019, 363, 955-959.	12.6	116
21	New Horizons Photometry of Pluto's Moon Charon. Astrophysical Journal Letters, 2019, 874, L3.	8.3	8
22	Prebiotic Chemistry of Pluto. Astrobiology, 2019, 19, 831-848.	3.0	26
23	Pluto's Interaction With Energetic Heliospheric Ions. Journal of Geophysical Research: Space Physics, 2019, 124, 7413-7424.	2.4	4
24	Slowing of the Solar Wind in the Outer Heliosphere. Astrophysical Journal, 2019, 885, 156.	4.5	47
25	Washboard and fluted terrains on Pluto as evidence for ancient glaciation. Nature Astronomy, 2019, 3, 62-68.	10.1	10
26	Radio thermal emission from Pluto and Charon during the New Horizons encounter. Icarus, 2019, 322, 192-209.	2.5	8
27	An upper limit on Plutoâ€™s ionosphere from radio occultation measurements with New Horizons. Icarus, 2018, 307, 17-24.	2.5	30
28	TheÂnitrogenÂcyclesÂonÂPlutoÂoverÂseasonalÂand astronomicalÂtimescales. Icarus, 2018, 309, 277-296.	2.5	54
29	Albedo matters: Understanding runaway albedo variations on Pluto. Icarus, 2018, 303, 1-9.	2.5	17
30	The New Horizons and Hubble Space Telescope search for rings, dust, and debris in the Pluto-Charon system. Icarus, 2018, 301, 155-172.	2.5	11
31	Bladed Terrain on Pluto: Possible origins and evolution. Icarus, 2018, 300, 129-144.	2.5	47
32	Ices on Charon: Distribution of H2O and NH3 from New Horizons LEISA observations. Icarus, 2018, 300, 21-32.	2.5	38
33	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. Icarus, 2018, 300, 174-199.	2.5	90
34	A search for temporal changes on Pluto and Charon. Icarus, 2018, 302, 273-284.	2.5	12
35	Investigation of Charon's Craters With Abrupt Terminus Ejecta, Comparisons With Other Icy Bodies, and Formation Implications. Journal of Geophysical Research E: Planets, 2018, 123, 20-36.	3.6	9
36	FORCAST: A Mid-Infrared Camera for SOFIA. Journal of Astronomical Instrumentation, 2018, 07, .	1.5	23

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37	An Overview of the Stratospheric Observatory for Infrared Astronomy Since Full Operation Capability. Journal of Astronomical Instrumentation, 2018, 07, .	1.5	5
38	SOFIA at Full Operation Capability: Technical Performance. Journal of Astronomical Instrumentation, 2018, 07, .	1.5	32
39	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. Astrophysical Journal, 2018, 866, 85.	4.5	10
40	Composition of Plutoâ€™s small satellites: Analysis of New Horizons spectral images. Icarus, 2018, 315, 30-45.	2.5	49
41	Dunes on Pluto. Science, 2018, 360, 992-997.	12.6	81
42	The Lymanâ€Î± Sky Background as Observed by New Horizons. Geophysical Research Letters, 2018, 45, 8022-8028.	4.0	19
43	Pluto's haze as a surface material. Icarus, 2018, 314, 232-245.	2.5	50
44	Methane distribution on Pluto as mapped by the New Horizons Ralph/MVIC instrument. Icarus, 2018, 314, 195-209.	2.5	14
45	Inflight radiometric calibration of New Horizonsâ€™ Multispectral Visible Imaging Camera (MVIC). Icarus, 2017, 287, 140-151.	2.5	14
46	Geological mapping of Sputnik Planitia on Pluto. Icarus, 2017, 287, 261-286.	2.5	52
47	Modeling glacial flow on and onto Plutoâ€™s Sputnik Planitia. Icarus, 2017, 287, 301-319.	2.5	38
48	Haze in Pluto's atmosphere. Icarus, 2017, 290, 112-133.	2.5	72
49	Radio occultation measurements of Plutoâ€™s neutral atmosphere with New Horizons. Icarus, 2017, 290, 96-111.	2.5	74
50	Charon tectonics. Icarus, 2017, 287, 161-174.	2.5	30
51	Physical state and distribution of materials at the surface of Pluto from New Horizons LEISA imaging spectrometer. Icarus, 2017, 287, 229-260.	2.5	99
52	Past epochs of significantly higher pressure atmospheres on Pluto. Icarus, 2017, 287, 47-53.	2.5	54
53	Plutoâ€™s global surface composition through pixel-by-pixel Hapke modeling of New Horizons Ralph/LEISA data. Icarus, 2017, 287, 218-228.	2.5	95
54	Evidence for Possible Clouds in Plutoâ€™s Present-day Atmosphere. Astronomical Journal, 2017, 154, 43.	4.7	11

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55	The Global Color of Pluto from New Horizons. Astronomical Journal, 2017, 154, 258.	4.7	25
56	New Horizons Upper Limits on O₂ in Plutoâ€™s Present Day Atmosphere. Astronomical Journal, 2017, 154, 55.	4.7	7
57	Global albedos of Pluto and Charon from LORRI New Horizons observations. Icarus, 2017, 287, 207-217.	2.5	82
58	Climate zones on Pluto and Charon. Icarus, 2017, 287, 30-36.	2.5	34
59	Sublimation as a landform-shaping process on Pluto. Icarus, 2017, 287, 320-333.	2.5	51
60	Present and past glaciation on Pluto. Icarus, 2017, 287, 287-300.	2.5	43
61	Long-term surface temperature modeling of Pluto. Icarus, 2017, 287, 37-46.	2.5	55
62	The photochemistry of Pluto's atmosphere as illuminated by New Horizons. Icarus, 2017, 287, 110-115.	2.5	75
63	Charon's light curves, as observed by New Horizonsâ€™ Ralph color camera (MVIC) on approach to the Pluto system. Icarus, 2017, 287, 152-160.	2.5	2
64	New Horizons constraints on Charon's present day atmosphere. Icarus, 2017, 287, 124-130.	2.5	32
65	Craters of the Pluto-Charon system. Icarus, 2017, 287, 187-206.	2.5	59
66	The rapid formation of Sputnik Planitia early in Plutoâ€™s history. Nature, 2016, 540, 97-99.	27.8	34
67	INTERPLANETARY MAGNETIC FIELD SECTOR FROM SOLAR WIND AROUND PLUTO (SWAP) MEASUREMENTS OF HEAVY ION PICKUP NEAR PLUTO. Astrophysical Journal Letters, 2016, 823, L30.	8.3	13
68	The formation of Charonâ€™s red poles from seasonally cold-trapped volatiles. Nature, 2016, 539, 65-68.	27.8	44
69	Pluto's interaction with the solar wind. Journal of Geophysical Research: Space Physics, 2016, 121, 4232-4246.	2.4	32
70	The atmosphere of Pluto as observed by New Horizons. Science, 2016, 351, aad8866.	12.6	201
71	Plutoâ€™s interaction with its space environment: Solar wind, energetic particles, and dust. Science, 2016, 351, aad9045.	12.6	60
72	The small satellites of Pluto as observed by New Horizons. Science, 2016, 351, aae0030.	12.6	78

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73	The geology of Pluto and Charon through the eyes of New Horizons. Science, 2016, 351, 1284-1293.	12.6	219
74	Surface compositions across Pluto and Charon. Science, 2016, 351, aad9189.	12.6	242
75	The Pluto system: Initial results from its exploration by New Horizons. Science, 2015, 350, aad1815.	12.6	407