

# Kimberly Ennico

## List of Publications by Year in descending order

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75  
papers

3,413  
citations

126907

33  
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144013

57  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2001  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	12.6	407
2	Surface compositions across Pluto and Charon. <i>Science</i> , 2016, 351, aad9189.	12.6	242
3	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	12.6	219
4	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
5	Impact craters on Pluto and Charon indicate a deficit of small Kuiper belt objects. <i>Science</i> , 2019, 363, 955-959.	12.6	116
6	Physical state and distribution of materials at the surface of Pluto from New Horizons LEISA imaging spectrometer. <i>Icarus</i> , 2017, 287, 229-260.	2.5	99
7	Pluto's global surface composition through pixel-by-pixel Hapke modeling of New Horizons Ralph/LEISA data. <i>Icarus</i> , 2017, 287, 218-228.	2.5	95
8	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	2.5	90
9	Global albedos of Pluto and Charon from LORRI New Horizons observations. <i>Icarus</i> , 2017, 287, 207-217.	2.5	82
10	Dunes on Pluto. <i>Science</i> , 2018, 360, 992-997.	12.6	81
11	The small satellites of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aae0030.	12.6	78
12	The photochemistry of Pluto's atmosphere as illuminated by New Horizons. <i>Icarus</i> , 2017, 287, 110-115.	2.5	75
13	Radio occultation measurements of Pluto's neutral atmosphere with New Horizons. <i>Icarus</i> , 2017, 290, 96-111.	2.5	74
14	Haze in Pluto's atmosphere. <i>Icarus</i> , 2017, 290, 112-133.	2.5	72
15	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60
16	Craters of the Pluto-Charon system. <i>Icarus</i> , 2017, 287, 187-206.	2.5	59
17	Long-term surface temperature modeling of Pluto. <i>Icarus</i> , 2017, 287, 37-46.	2.5	55
18	Past epochs of significantly higher pressure atmospheres on Pluto. <i>Icarus</i> , 2017, 287, 47-53.	2.5	54

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19	The nitrogen cycles on Pluto over seasonal and astronomical timescales. <i>Icarus</i> , 2018, 309, 277-296.	2.5	54
20	Geological mapping of Sputnik Planitia on Pluto. <i>Icarus</i> , 2017, 287, 261-286.	2.5	52
21	Sublimation as a landform-shaping process on Pluto. <i>Icarus</i> , 2017, 287, 320-333.	2.5	51
22	Pluto's haze as a surface material. <i>Icarus</i> , 2018, 314, 232-245.	2.5	50
23	Composition of Pluto's small satellites: Analysis of New Horizons spectral images. <i>Icarus</i> , 2018, 315, 30-45.	2.5	49
24	Detection of ammonia on Pluto's surface in a region of geologically recent tectonism. <i>Science Advances</i> , 2019, 5, eaav5731.	10.3	49
25	Bladed Terrain on Pluto: Possible origins and evolution. <i>Icarus</i> , 2018, 300, 129-144.	2.5	47
26	Slowing of the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 885, 156.	4.5	47
27	Recent cryovolcanism in Virgil Fossae on Pluto. <i>Icarus</i> , 2019, 330, 155-168.	2.5	45
28	The formation of Charon's red poles from seasonally cold-trapped volatiles. <i>Nature</i> , 2016, 539, 65-68.	27.8	44
29	Present and past glaciation on Pluto. <i>Icarus</i> , 2017, 287, 287-300.	2.5	43
30	Modeling glacial flow on and onto Pluto's Sputnik Planitia. <i>Icarus</i> , 2017, 287, 301-319.	2.5	38
31	Ices on Charon: Distribution of H <sub>2</sub> O and NH <sub>3</sub> from New Horizons LEISA observations. <i>Icarus</i> , 2018, 300, 21-32.	2.5	38
32	The CH <sub>4</sub> cycles on Pluto over seasonal and astronomical timescales. <i>Icarus</i> , 2019, 329, 148-165.	2.5	38
33	The rapid formation of Sputnik Planitia early in Pluto's history. <i>Nature</i> , 2016, 540, 97-99.	27.8	34
34	Climate zones on Pluto and Charon. <i>Icarus</i> , 2017, 287, 30-36.	2.5	34
35	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4232-4246.	2.4	32
36	New Horizons constraints on Charon's present day atmosphere. <i>Icarus</i> , 2017, 287, 124-130.	2.5	32

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37	SOFIA at Full Operation Capability: Technical Performance. <i>Journal of Astronomical Instrumentation</i> , 2018, 07, .	1.5	32
38	Charon tectonics. <i>Icarus</i> , 2017, 287, 161-174.	2.5	30
39	An upper limit on Pluto's ionosphere from radio occultation measurements with New Horizons. <i>Icarus</i> , 2018, 307, 17-24.	2.5	30
40	The nature and origin of Charon's smooth plains. <i>Icarus</i> , 2019, 323, 16-32.	2.5	26
41	Prebiotic Chemistry of Pluto. <i>Astrobiology</i> , 2019, 19, 831-848.	3.0	26
42	The Global Color of Pluto from New Horizons. <i>Astronomical Journal</i> , 2017, 154, 258.	4.7	25
43	FORCAST: A Mid-Infrared Camera for SOFIA. <i>Journal of Astronomical Instrumentation</i> , 2018, 07, .	1.5	23
44	The Lyman- $\alpha$ Sky Background as Observed by New Horizons. <i>Geophysical Research Letters</i> , 2018, 45, 8022-8028.	4.0	19
45	Pluto's Far Side. <i>Icarus</i> , 2021, 356, 113805.	2.5	18
46	Albedo matters: Understanding runaway albedo variations on Pluto. <i>Icarus</i> , 2018, 303, 1-9.	2.5	17
47	Pluto's Beating Heart Regulates the Atmospheric Circulation: Results From High-Resolution and Multiyear Numerical Climate Simulations. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006120.	3.6	16
48	Suprathermal Ions in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 876, 46.	4.5	15
49	Inflight radiometric calibration of New Horizons's Multispectral Visible Imaging Camera (MVIC). <i>Icarus</i> , 2017, 287, 140-151.	2.5	14
50	Methane distribution on Pluto as mapped by the New Horizons Ralph/MVIC instrument. <i>Icarus</i> , 2018, 314, 195-209.	2.5	14
51	INTERPLANETARY MAGNETIC FIELD SECTOR FROM SOLAR WIND AROUND PLUTO (SWAP) MEASUREMENTS OF HEAVY ION PICKUP NEAR PLUTO. <i>Astrophysical Journal Letters</i> , 2016, 823, L30.	8.3	13
52	A search for temporal changes on Pluto and Charon. <i>Icarus</i> , 2018, 302, 273-284.	2.5	12
53	Pluto's Ultraviolet Spectrum, Surface Reflectance, and Airglow Emissions. <i>Astronomical Journal</i> , 2020, 159, 274.	4.7	12
54	Evidence for Possible Clouds in Pluto's Present-day Atmosphere. <i>Astronomical Journal</i> , 2017, 154, 43.	4.7	11

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55	The New Horizons and Hubble Space Telescope search for rings, dust, and debris in the Pluto-Charon system. <i>Icarus</i> , 2018, 301, 155-172.	2.5	11
56	Geologic Landforms and Chronostratigraphic History of Charon as Revealed by a Hemispheric Geologic Map. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 155-174.	3.6	11
57	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. <i>Astrophysical Journal</i> , 2018, 866, 85.	4.5	10
58	Washboard and fluted terrains on Pluto as evidence for ancient glaciation. <i>Nature Astronomy</i> , 2019, 3, 62-68.	10.1	10
59	Investigation of Charon's Craters With Abrupt Terminus Ejecta, Comparisons With Other Icy Bodies, and Formation Implications. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 20-36.	3.6	9
60	Cryovolcanic flooding in Viking Terra on Pluto. <i>Icarus</i> , 2021, 356, 113786.	2.5	9
61	Global compositional cartography of Pluto from intensity-based registration of LEISA data. <i>Icarus</i> , 2021, 356, 113833.	2.5	9
62	New Horizons Photometry of Pluto's Moon Charon. <i>Astrophysical Journal Letters</i> , 2019, 874, L3.	8.3	8
63	Radio thermal emission from Pluto and Charon during the New Horizons encounter. <i>Icarus</i> , 2019, 322, 192-209.	2.5	8
64	New Horizons Upper Limits on $O_2$ in Pluto's Present Day Atmosphere. <i>Astronomical Journal</i> , 2017, 154, 55.	4.7	7
65	Distribution and energy balance of Pluto's nitrogen ice, as seen by New Horizons in 2015. <i>Icarus</i> , 2021, 356, 113633.	2.5	6
66	An Overview of the Stratospheric Observatory for Infrared Astronomy Since Full Operation Capability. <i>Journal of Astronomical Instrumentation</i> , 2018, 07, .	1.5	5
67	Pluto's Interaction With Energetic Heliospheric Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7413-7424.	2.4	4
68	Charon: A Brief History of Tides. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006449.	3.6	4
69	New Horizons Observations of an Ultraviolet Stellar Occultation and Appulse by Pluto's Atmosphere. <i>Astronomical Journal</i> , 2020, 159, 26.	4.7	3
70	Charon's light curves, as observed by New Horizons's Ralph color camera (MVIC) on approach to the Pluto system. <i>Icarus</i> , 2017, 287, 152-160.	2.5	2
71	Constraining the IMF at Pluto Using New Horizons SWAP Data and Hybrid Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1568-1581.	2.4	2
72	Charon's Far Side Geomorphology. <i>Planetary Science Journal</i> , 2021, 2, 141.	3.6	2

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73	The Dark Side of Pluto. Planetary Science Journal, 2021, 2, 214.	3.6	2
74	High-resolution radiometry of Pluto at 4.2Åcm with New Horizons. Icarus, 2021, 363, 114430.	2.5	1
75	Tracing seasonal trends across Pluto's craters: New Horizons Ralph/MVIC results. Icarus, 2022, 373, 114771.	2.5	1