

# Michael E Summers

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,780  
citations

394421

19  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1782  
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	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
3	First confirmation that water ice is the primary component of polar mesospheric clouds. <i>Geophysical Research Letters</i> , 2001, 28, 971-974.	4.0	146
4	Initial results from the New Horizons exploration of 2014 MU <sub>69</sub> , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	12.6	113
5	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	2.5	90
6	The photochemistry of Pluto's atmosphere as illuminated by New Horizons. <i>Icarus</i> , 2017, 287, 110-115.	2.5	75
7	New Horizons: Anticipated Scientific Investigations at the Pluto System. <i>Space Science Reviews</i> , 2008, 140, 93-127.	8.1	74
8	Radio occultation measurements of Pluto's neutral atmosphere with New Horizons. <i>Icarus</i> , 2017, 290, 96-111.	2.5	74
9	Haze in Pluto's atmosphere. <i>Icarus</i> , 2017, 290, 112-133.	2.5	72
10	The New Horizons Radio Science Experiment (REX). <i>Space Science Reviews</i> , 2008, 140, 217-259.	8.1	62
11	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60
12	Interpretation of Galileo's Io plasma and field observations: I0, I24, and I27 flybys and close polar passes. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 5-1-SMP 5-18.	3.3	56
13	Is Mars alive?. <i>Eos</i> , 2006, 87, 433.	0.1	50
14	Pluto's haze as a surface material. <i>Icarus</i> , 2018, 314, 232-245.	2.5	50
15	The ionosphere of Triton. <i>Geophysical Research Letters</i> , 1990, 17, 1721-1724.	4.0	42
16	Atmospheric biomarkers of subsurface life on Mars. <i>Geophysical Research Letters</i> , 2002, 29, 24-1-24-4.	4.0	39
17	An upper limit on Pluto's ionosphere from radio occultation measurements with New Horizons. <i>Icarus</i> , 2018, 307, 17-24.	2.5	30
18	Prebiotic Chemistry of Pluto. <i>Astrobiology</i> , 2019, 19, 831-848.	3.0	26

#	ARTICLE	IF	CITATIONS
19	Hemispheric asymmetries in the longitudinal structure of the low-latitude nighttime ionosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
20	The Lyman- $\alpha$ Sky Background as Observed by New Horizons. <i>Geophysical Research Letters</i> , 2018, 45, 8022-8028.	4.0	19
21	Suprathermal Ions in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 876, 46.	4.5	15
22	Influence of Solar Disturbances on Galactic Cosmic Rays in the Solar Wind, Heliosheath, and Local Interstellar Medium: Advanced Composition Explorer, New Horizons, and Voyager Observations. <i>Astrophysical Journal</i> , 2020, 905, 69.	4.5	15
23	Pluto's Ultraviolet Spectrum, Surface Reflectance, and Airglow Emissions. <i>Astronomical Journal</i> , 2020, 159, 274.	4.7	12
24	Impact analysis of MODIS band-to-band registration on its measurements and science data products. <i>International Journal of Remote Sensing</i> , 2011, 32, 4431-4444.	2.9	8
25	Radio thermal emission from Pluto and Charon during the New Horizons encounter. <i>Icarus</i> , 2019, 322, 192-209.	2.5	8
26	A search for an anticorrelation between H <sub>2</sub> O and O <sub>3</sub> in the lower mesosphere. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 7-1.	3.3	6
27	Pluto's Interaction With Energetic Heliospheric Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7413-7424.	2.4	4
28	High-resolution radiometry of Pluto at 4.2 $\mu$ m with New Horizons. <i>Icarus</i> , 2021, 363, 114430.	2.5	1