

# Joshua A Kammer

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,952  
citations

430874

18  
h-index

254184

43  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2299  
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	A SYSTEMATIC RETRIEVAL ANALYSIS OF SECONDARY ECLIPSE SPECTRA. I. A COMPARISON OF ATMOSPHERIC RETRIEVAL TECHNIQUES. <i>Astrophysical Journal</i> , 2013, 775, 137.	4.5	257
3	<i>SPITZER</i> SECONDARY ECLIPSES OF THE DENSE, MODESTLY-IRRADIATED, GIANT EXOPLANET HAT-P- $\beta$ USING PIXEL-LEVEL DECORRELATION. <i>Astrophysical Journal</i> , 2015, 805, 132.	4.5	212
4	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
5	A sub-Neptune exoplanet with a low-metallicity methane-depleted atmosphere and Mie-scattering clouds. <i>Nature Astronomy</i> , 2019, 3, 813-821.	10.1	151
6	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	2.5	90
7	The photochemistry of Pluto's atmosphere as illuminated by New Horizons. <i>Icarus</i> , 2017, 287, 110-115.	2.5	75
8	Constraints on the microphysics of Pluto's photochemical haze from New Horizons observations. <i>Icarus</i> , 2017, 287, 116-123.	2.5	73
9	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60
10	<i>SPITZER</i> SECONDARY ECLIPSE OBSERVATIONS OF FIVE COOL GAS GIANT PLANETS AND EMPIRICAL TRENDS IN COOL PLANET EMISSION SPECTRA. <i>Astrophysical Journal</i> , 2015, 810, 118.	4.5	52
11	Photochemistry on Pluto – I. Hydrocarbons and aerosols. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 104-117.	4.4	45
12	Size and Shape Constraints of (486958) Arrokoth from Stellar Occultations. <i>Astronomical Journal</i> , 2020, 159, 130.	4.7	25
13	Are Dawn Storms Jupiter's Auroral Substorms?. <i>AGU Advances</i> , 2021, 2, e2020AV000275.	5.4	25
14	Contemporaneous Observations of Jovian Energetic Auroral Electrons and Ultraviolet Emissions by the Juno Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8298-8317.	2.4	22
15	The Lyman- $\alpha$ Sky Background as Observed by New Horizons. <i>Geophysical Research Letters</i> , 2018, 45, 8022-8028.	4.0	19
16	Juno's UVS Observation of the Io Footprint During Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5184-5199.	2.4	19
17	Investigating Trends in Atmospheric Compositions of Cool Gas Giant Planets Using Spitzer Secondary Eclipses. <i>Astronomical Journal</i> , 2019, 158, 217.	4.7	19
18	Spatial Distribution of the Pedersen Conductance in the Jovian Aurora From Juno's UVS Spectral Images. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028142.	2.4	19

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19	In-flight Characterization and Calibration of the Juno-ultraviolet Spectrograph (Juno-UVS). <i>Astronomical Journal</i> , 2019, 157, 90.	4.7	18
20	Suprathermal Ions in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 876, 46.	4.5	15
21	<i>Bar Code</i> Events in the Juno-UVS Data: Signature $\sim 10$ MeV Electron Microbursts at Jupiter. <i>Geophysical Research Letters</i> , 2018, 45, 12,108.	4.0	14
22	Possible Transient Luminous Events Observed in Jupiter's Upper Atmosphere. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006659.	3.6	13
23	Pluto's Ultraviolet Spectrum, Surface Reflectance, and Airglow Emissions. <i>Astronomical Journal</i> , 2020, 159, 274.	4.7	12
24	Evidence for Possible Clouds in Pluto's Present-day Atmosphere. <i>Astronomical Journal</i> , 2017, 154, 43.	4.7	11
25	Probing the Hill Sphere of (486958) 2014 MU <sub>69</sub> : HST FGS Observations during the 2017 July 17 Stellar Occultation. <i>Astronomical Journal</i> , 2018, 156, 72.	4.7	9
26	Detection of a Bolide in Jupiter's Atmosphere With Juno UVS. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091797.	4.0	9
27	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006954.	3.6	9
28	A Comprehensive Set of Juno In Situ and Remote Sensing Observations of the Ganymede Auroral Footprint. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
29	New Horizons Upper Limits on O <sub>2</sub> in Pluto's Present Day Atmosphere. <i>Astronomical Journal</i> , 2017, 154, 55.	4.7	7
30	Size and Shape of (11351) Leucus from Five Occultations. <i>Planetary Science Journal</i> , 2021, 2, 202.	3.6	7
31	New Horizons Detection of the Local Galactic Lyman- $\beta$ Background. <i>Astronomical Journal</i> , 2021, 162, 241.	4.7	7
32	Planning operations in Jupiter's high-radiation environment: optimization strategies from Juno-UVS. , 2018, , .		6
33	Morphology of Jupiter's Polar Auroral Bright Spot Emissions via Juno-UVS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028586.	2.4	5
34	Meridional Variations of C <sub>2</sub> H <sub>2</sub> in Jupiter's Stratosphere From Juno UVS Observations. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006928.	3.6	5
35	Pluto's Interaction With Energetic Heliospheric Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7413-7424.	2.4	4
36	Detection and Characterization of Circular Expanding UV Emissions Observed in Jupiter's Polar Auroral Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028971.	2.4	4

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37	Planning operations in Jupiter's high-radiation environment: optimization strategies from Juno-ultraviolet spectrograph. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.8	4
38	New Horizons Observations of an Ultraviolet Stellar Occultation and Appulse by Pluto's Atmosphere. <i>Astronomical Journal</i> , 2020, 159, 26.	4.7	3
39	Extreme Exospheric Dynamics at Charon: Implications for the Red Spot. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	3
40	Constraints on Pluto's H and CH <sub>4</sub> profiles from New Horizons Alice Ly $\alpha$ observations. <i>Icarus</i> , 2021, 356, 113973.	2.5	2
41	Limits on a Ring System at 2014 MU69 from Recent Stellar Occultations. <i>Research Notes of the AAS</i> , 2018, 2, 224.	0.7	2
42	Probing the Hill Sphere of (486958) 2014 MU <sub>69</sub> . II. Hubble Space Telescope Fine Guidance Sensors Observations during the 2018 August 4 Stellar Occultation. <i>Astronomical Journal</i> , 2019, 158, 168.	4.7	1
43	Variability and Hemispheric Symmetry of the Pedersen Conductance in the Jovian Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028949.	2.4	1
44	Charon's refractory factory. <i>Science Advances</i> , 2022, 8, .	10.3	1