

Heidi B Hammel

List of Publications by Year in descending order

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papers

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331670

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#	ARTICLE	IF	CITATIONS
1	Clouds, Hazes, and the Stratospheric Methane Abundance in Neptune. <i>Icarus</i> , 1994, 109, 20-39.	2.5	68
2	Neptune's global circulation deduced from multi-wavelength observations. <i>Icarus</i> , 2014, 237, 211-238.	2.5	64
3	Mid-infrared spectroscopy of Uranus from the Spitzer Infrared Spectrometer: 1. Determination of the mean temperature structure of the upper troposphere and stratosphere. <i>Icarus</i> , 2014, 243, 494-513.	2.5	56
4	Mid-infrared spectroscopy of Uranus from the Spitzer infrared spectrometer: 2. Determination of the mean composition of the upper troposphere and stratosphere. <i>Icarus</i> , 2014, 243, 471-493.	2.5	53
5	Methane depletion in both polar regions of Uranus inferred from HST/STIS and Keck/NIRC2 observations. <i>Icarus</i> , 2014, 238, 137-155.	2.5	50
6	Record-breaking storm activity on Uranus in 2014. <i>Icarus</i> , 2015, 252, 121-128.	2.5	49
7	Neptune at summer solstice: Zonal mean temperatures from ground-based observations, 2003-2007. <i>Icarus</i> , 2014, 231, 146-167.	2.5	48
8	Uranus at equinox: Cloud morphology and dynamics. <i>Icarus</i> , 2009, 203, 265-286.	2.5	47
9	Vertical aerosol structure of Neptune: Constraints from center-to-limb profiles. <i>Icarus</i> , 1989, 80, 416-438.	2.5	43
10	A spatially resolved high spectral resolution study of Neptune's stratosphere. <i>Icarus</i> , 2011, 214, 606-621.	2.5	41
11	Evidence for temporal change at Uranus' south pole. <i>Icarus</i> , 2004, 172, 548-554.	2.5	40
12	Long-term atmospheric variability on Uranus and Neptune. <i>Icarus</i> , 2007, 186, 291-301.	2.5	38
13	Post-equinox observations of Uranus: Berg's evolution, vertical structure, and track towards the equator. <i>Icarus</i> , 2011, 215, 332-345.	2.5	35
14	A multi-wavelength study of the 2009 impact on Jupiter: Comparison of high resolution images from Gemini, Keck and HST. <i>Icarus</i> , 2010, 210, 722-741.	2.5	32
15	New cloud activity on Uranus in 2004: First detection of a southern feature at 2.2 μ m. <i>Icarus</i> , 2005, 175, 284-288.	2.5	26
16	Seeing double at Neptune's south pole. <i>Icarus</i> , 2010, 208, 938-944.	2.5	25
17	The methane distribution and polar brightening on Uranus based on HST/STIS, Keck/NIRC2, and IRTF/SpeX observations through 2015. <i>Icarus</i> , 2019, 317, 266-306.	2.5	24
18	Post-equinox dynamics and polar cloud structure on Uranus. <i>Icarus</i> , 2012, 220, 694-712.	2.5	22

#	ARTICLE	IF	CITATIONS
19	A New Dark Vortex on Neptune. <i>Astronomical Journal</i> , 2018, 155, 117.	4.7	22
20	Clouds and aerosols on Uranus: Radiative transfer modeling of spatially-resolved near-infrared Keck spectra. <i>Icarus</i> , 2015, 256, 120-137.	2.5	21
21	Neptune long-lived atmospheric features in 2013–2015 from small (28-cm) to large (10-m) telescopes. <i>Icarus</i> , 2017, 295, 89-109.	2.5	21
22	Dispersion in Neptune's zonal wind velocities from NIR Keck AO observations in July 2009. <i>Astrophysics and Space Science</i> , 2014, 350, 65-88.	1.4	19
23	Retrieving Neptune's aerosol properties from Keck OSIRIS observations. I. Dark regions. <i>Icarus</i> , 2016, 276, 52-87.	2.5	18
24	Keck and VLT AO observations and models of the uranian rings during the 2007 ring plane crossings. <i>Icarus</i> , 2013, 226, 1399-1424.	2.5	14
25	Recovery and characterization of Neptune's near-polar stratospheric hot spot. <i>Planetary and Space Science</i> , 2012, 61, 161-167.	1.7	13
26	Solar System Observations with the James Webb Space Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 025004.	3.1	13
27	Near-infrared spectra of the uranian ring system. <i>Icarus</i> , 2013, 226, 1038-1044.	2.5	12
28	Subseasonal Variation in Neptune's Mid-infrared Emission. <i>Planetary Science Journal</i> , 2022, 3, 78.	3.6	9
29	Spitzer's Solar System studies of asteroids, planets and the zodiacal cloud. <i>Nature Astronomy</i> , 2020, 4, 940-946.	10.1	7
30	Exploration of the Ice Giant Systems. , 2021, 53, .		7
31	Spatial structure in Neptune's 7.90- μm stratospheric CH ₄ emission. as measured by VLT-VISIR. <i>Icarus</i> , 2020, 345, 113748.	2.5	4
32	Lessons learned from (and since) the Voyager 2 flybys of Uranus and Neptune. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190485.	3.4	3
33	Ice Giant Atmospheric Science. , 2021, 53, .		2
34	A Lesson from the James Webb Space Telescope: Early Engagement with Future Astrophysics Great Observatories Maximizes their Solar System Science. , 2021, 53, .		0