

Heidi B Hammel

List of Publications by Year in descending order

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34
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Subseasonal Variation in Neptune's Mid-infrared Emission. Planetary Science Journal, 2022, 3, 78.	3.6	9
2	Ice Giant Atmospheric Science. , 2021, 53, .		2
3	A Lesson from the James Webb Space Telescope: Early Engagement with Future Astrophysics Great Observatories Maximizes their Solar System Science. , 2021, 53, .		0
4	Exploration of the Ice Giant Systems. , 2021, 53, .		7
5	Spitzer's Solar System studies of asteroids, planets and the zodiacal cloud. Nature Astronomy, 2020, 4, 940-946.	10.1	7
6	Lessons learned from (and since) the Voyager 2 flybys of Uranus and Neptune. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190485.	3.4	3
7	Spatial structure in Neptune's 7.90-μm stratospheric CH₄ emission. as measured by VLT-VISIR. Icarus, 2020, 345, 113748.	2.5	4
8	The methane distribution and polar brightening on Uranus based on HST/STIS, Keck/NIRC2, and IRTF/SpeX observations through 2015. Icarus, 2019, 317, 266-306.	2.5	24
9	A New Dark Vortex on Neptune. Astronomical Journal, 2018, 155, 117.	4.7	22
10	Neptune long-lived atmospheric features in 2013–2015 from small (28-cm) to large (10-m) telescopes. Icarus, 2017, 295, 89-109.	2.5	21
11	Retrieving Neptune's aerosol properties from Keck OSIRIS observations. I. Dark regions. Icarus, 2016, 276, 52-87.	2.5	18
12	Solar System Observations with the James Webb Space Telescope. Publications of the Astronomical Society of the Pacific, 2016, 128, 025004.	3.1	13
13	Record-breaking storm activity on Uranus in 2014. Icarus, 2015, 252, 121-128.	2.5	49
14	Clouds and aerosols on Uranus: Radiative transfer modeling of spatially-resolved near-infrared Keck spectra. Icarus, 2015, 256, 120-137.	2.5	21
15	Mid-infrared spectroscopy of Uranus from the Spitzer Infrared Spectrometer: 1. Determination of the mean temperature structure of the upper troposphere and stratosphere. Icarus, 2014, 243, 494-513.	2.5	56
16	Mid-infrared spectroscopy of Uranus from the Spitzer infrared spectrometer: 2. Determination of the mean composition of the upper troposphere and stratosphere. Icarus, 2014, 243, 471-493.	2.5	53
17	Dispersion in Neptune's zonal wind velocities from NIR Keck AO observations in July 2009. Astrophysics and Space Science, 2014, 350, 65-88.	1.4	19
18	Neptune at summer solstice: Zonal mean temperatures from ground-based observations, 2003–2007. Icarus, 2014, 231, 146-167.	2.5	48

#	ARTICLE	IF	CITATIONS
19	Neptune's global circulation deduced from multi-wavelength observations. <i>Icarus</i> , 2014, 237, 211-238.	2.5	64
20	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
21	Near-infrared spectra of the uranian ring system. <i>Icarus</i> , 2013, 226, 1038-1044.	2.5	12
22	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
23	Post-equinox dynamics and polar cloud structure on Uranus. <i>Icarus</i> , 2012, 220, 694-712.	2.5	22
24	Recovery and characterization of Neptune's near-polar stratospheric hot spot. <i>Planetary and Space Science</i> , 2012, 61, 161-167.	1.7	13
25	A spatially resolved high spectral resolution study of Neptune's stratosphere. <i>Icarus</i> , 2011, 214, 606-621.	2.5	41
26	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
27	Seeing double at Neptune's south pole. <i>Icarus</i> , 2010, 208, 938-944.	2.5	25
28	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
29	Uranus at equinox: Cloud morphology and dynamics. <i>Icarus</i> , 2009, 203, 265-286.	2.5	47
30	Long-term atmospheric variability on Uranus and Neptune. <i>Icarus</i> , 2007, 186, 291-301.	2.5	38
31	New cloud activity on Uranus in 2004: First detection of a southern feature at 2.2 μm. <i>Icarus</i> , 2005, 175, 284-288.	2.5	26
32	Evidence for temporal change at Uranus' south pole. <i>Icarus</i> , 2004, 172, 548-554.	2.5	40
33	Clouds, Hazes, and the Stratospheric Methane Abundance in Neptune. <i>Icarus</i> , 1994, 109, 20-39.	2.5	68
34	Vertical aerosol structure of Neptune: Constraints from center-to-limb profiles. <i>Icarus</i> , 1989, 80, 416-438.	2.5	43