

Gordon Bjoraker

List of Publications by Year in descending order

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35
papers

2,142
citations

304743

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times ranked

1489
citing authors

#	ARTICLE	IF	CITATIONS
1	The composition of Titan's stratosphere from Cassini/CIRS mid-infrared spectra. <i>Icarus</i> , 2007, 189, 35-62.	2.5	367
2	Titan's Atmospheric Temperatures, Winds, and Composition. <i>Science</i> , 2005, 308, 975-978.	12.6	318
3	Exploring The Saturn System In The Thermal Infrared: The Composite Infrared Spectrometer. <i>Space Science Reviews</i> , 2004, 115, 169-297.	8.1	275
4	Analysis of Cassini/CIRS limb spectra of Titan acquired during the nominal mission. <i>Icarus</i> , 2010, 205, 559-570.	2.5	168
5	TITAN'S SURFACE BRIGHTNESS TEMPERATURES. <i>Astrophysical Journal</i> , 2009, 691, L103-L105.	4.5	102
6	The gas composition of jupiter derived from 5-1/4m airborne spectroscopic observations. <i>Icarus</i> , 1986, 66, 579-609.	2.5	82
7	The abundance and distribution of water vapor in Jupiter's atmosphere. <i>Astrophysical Journal</i> , 1986, 311, 1058.	4.5	79
8	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	3.7	77
9	Identification of the 10-1/4m ammonia ice feature on Jupiter. <i>Planetary and Space Science</i> , 2004, 52, 385-395.	1.7	59
10	THE FIRST SPECTRUM OF THE COLDEST BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 826, L17.	8.3	46
11	Analysis of Cassini/CIRS limb spectra of Titan acquired during the nominal mission II: Aerosol extinction profiles in the 600-1420 cm ⁻¹ spectral range. <i>Icarus</i> , 2010, 210, 852-866.	2.5	45
12	Observations of Disequilibrium CO Chemistry in the Coldest Brown Dwarfs. <i>Astronomical Journal</i> , 2020, 160, 63.	4.7	42
13	Upper limits for undetected trace species in the stratosphere of Titan. <i>Faraday Discussions</i> , 2010, 147, 65.	3.2	40
14	Detection of C ₂ H ₂ and the D/H ratio on Titan. <i>Icarus</i> , 2008, 197, 539-548.	2.5	39
15	Composite infrared spectrometer (CIRS) on Cassini. <i>Applied Optics</i> , 2017, 56, 5274.	2.1	39
16	An L Band Spectrum of the Coldest Brown Dwarf. <i>Astrophysical Journal</i> , 2018, 858, 97.	4.5	39
17	Abundance measurements of Titan's stratospheric HCN, HC ₃ N, C ₃ H ₄ , and CH ₃ CN from ALMA observations. <i>Icarus</i> , 2019, 319, 417-432.	2.5	36
18	Detection of Cyclopropenylidene on Titan with ALMA. <i>Astronomical Journal</i> , 2020, 160, 205.	4.7	36

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19	JUPITER'S DEEP CLOUD STRUCTURE REVEALED USING KECK OBSERVATIONS OF SPECTRALLY RESOLVED LINE SHAPES. <i>Astrophysical Journal</i> , 2015, 810, 122.	4.5	34
20	The Gas Composition and Deep Cloud Structure of Jupiter's Great Red Spot. <i>Astronomical Journal</i> , 2018, 156, 101.	4.7	29
21	First ALMA Millimeter-wavelength Maps of Jupiter, with a Multiwavelength Study of Convection. <i>Astronomical Journal</i> , 2019, 158, 139.	4.7	27
22	High-resolution UV/Optical/IR Imaging of Jupiter in 2016–2019. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 58.	7.7	25
23	EVOLUTION OF THE FAR-INFRARED CLOUD AT TITAN'S SOUTH POLE. <i>Astrophysical Journal Letters</i> , 2015, 804, L34.	8.3	22
24	CHANGES TO SATURN'S ZONAL-MEAN TROPOSPHERIC THERMAL STRUCTURE AFTER THE 2010-2011 NORTHERN HEMISPHERE STORM. <i>Astrophysical Journal</i> , 2014, 786, 92.	4.5	20
25	FIRST OBSERVATION IN THE SOUTH OF TITAN'S FAR-INFRARED 220 cm ⁻¹ CLOUD. <i>Astrophysical Journal Letters</i> , 2012, 761, L15.	8.3	19
26	Spatial variations in Titan's atmospheric temperature: ALMA and Cassini comparisons from 2012 to 2015. <i>Icarus</i> , 2018, 307, 380-390.	2.5	16
27	D/H Ratios on Saturn and Jupiter from Cassini CIRS. <i>Astronomical Journal</i> , 2017, 154, 178.	4.7	15
28	Cassini Composite Infrared Spectrometer (CIRS) Observations of Titan 2004–2017. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 14.	7.7	12
29	Detection of CH ₃ C ₃ N in Titan's Atmosphere. <i>Astrophysical Journal Letters</i> , 2020, 903, L22.	8.3	11
30	Measurement of CH ₃ D on Titan at Submillimeter Wavelengths. <i>Astronomical Journal</i> , 2019, 157, 219.	4.7	8
31	Propionitrile in the two lowest excited vibrational states in the laboratory and on Titan. <i>Journal of Molecular Spectroscopy</i> , 2020, 372, 111324.	1.2	7
32	Residual Study: Testing Jupiter Atmosphere Models Against Juno MWR Observations. <i>Earth and Space Science</i> , 2020, 7, e2020EA001229.	2.6	3
33	Jupiter's elusive water. <i>Nature Astronomy</i> , 2020, 4, 558-559.	10.1	2
34	Variability in Titan's Mesospheric HCN and Temperature Structure as Observed by ALMA. <i>Planetary Science Journal</i> , 2022, 3, 146.	3.6	2
35	Solar System Science with the Orbiting Astronomical Satellite Investigating Stellar Systems (OASIS) Observatory. <i>Space Science Reviews</i> , 2022, 218, .	8.1	1