

Gordon Bjraker

List of Publications by Year in descending order

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35
papers

2,142
citations

304743

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361022

35
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36
all docs

36
docs citations

36
times ranked

1489
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in Titan's Mesospheric HCN and Temperature Structure as Observed by ALMA. Planetary Science Journal, 2022, 3, 146.	3.6	2
2	Solar System Science with the Orbiting Astronomical Satellite Investigating Stellar Systems (OASIS) Observatory. Space Science Reviews, 2022, 218, .	8.1	1
3	Residual Study: Testing Jupiter Atmosphere Models Against Juno MWR Observations. Earth and Space Science, 2020, 7, e2020EA001229.	2.6	3
4	Propionitrile in the two lowest excited vibrational states in the laboratory and on Titan. Journal of Molecular Spectroscopy, 2020, 372, 111324.	1.2	7
5	High-resolution UV/Optical/IR Imaging of Jupiter in 2016–2019. Astrophysical Journal, Supplement Series, 2020, 247, 58.	7.7	25
6	Jupiter's elusive water. Nature Astronomy, 2020, 4, 558-559.	10.1	2
7	Observations of Disequilibrium CO Chemistry in the Coldest Brown Dwarfs. Astronomical Journal, 2020, 160, 63.	4.7	42
8	Detection of Cyclopropenylidene on Titan with ALMA. Astronomical Journal, 2020, 160, 205.	4.7	36
9	Detection of CH ₃ C ₃ N in Titan's Atmosphere. Astrophysical Journal Letters, 2020, 903, L22.	8.3	11
10	Cassini Composite Infrared Spectrometer (CIRS) Observations of Titan 2004–2017. Astrophysical Journal, Supplement Series, 2019, 244, 14.	7.7	12
11	Measurement of CH ₃ D on Titan at Submillimeter Wavelengths. Astronomical Journal, 2019, 157, 219.	4.7	8
12	Abundance measurements of Titan's stratospheric HCN, HC ₃ N, C ₃ H ₄ , and CH ₃ CN from ALMA observations. Icarus, 2019, 319, 417-432.	2.5	36
13	First ALMA Millimeter-wavelength Maps of Jupiter, with a Multiwavelength Study of Convection. Astronomical Journal, 2019, 158, 139.	4.7	27
14	Spatial variations in Titan's atmospheric temperature: ALMA and Cassini comparisons from 2012 to 2015. Icarus, 2018, 307, 380-390.	2.5	16
15	An L Band Spectrum of the Coldest Brown Dwarf. Astrophysical Journal, 2018, 858, 97.	4.5	39
16	The Gas Composition and Deep Cloud Structure of Jupiter's Great Red Spot. Astronomical Journal, 2018, 156, 101.	4.7	29
17	D/H Ratios on Saturn and Jupiter from Cassini CIRS. Astronomical Journal, 2017, 154, 178.	4.7	15
18	Composite infrared spectrometer (CIRS) on Cassini. Applied Optics, 2017, 56, 5274.	2.1	39

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19	THE FIRST SPECTRUM OF THE COLDEST BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 826, L17.	8.3	46
20	EVOLUTION OF THE FAR-INFRARED CLOUD AT TITAN'S SOUTH POLE. <i>Astrophysical Journal Letters</i> , 2015, 804, L34.	8.3	22
21	JUPITER'S DEEP CLOUD STRUCTURE REVEALED USING KECK OBSERVATIONS OF SPECTRALLY RESOLVED LINE SHAPES. <i>Astrophysical Journal</i> , 2015, 810, 122.	4.5	34
22	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
23	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
24	Analysis of Cassini/CIRS limb spectra of Titan acquired during the nominal mission. <i>Icarus</i> , 2010, 205, 559-570.	2.5	168
25	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
26	Upper limits for undetected trace species in the stratosphere of Titan. <i>Faraday Discussions</i> , 2010, 147, 65.	3.2	40
27	TITAN'S SURFACE BRIGHTNESS TEMPERATURES. <i>Astrophysical Journal</i> , 2009, 691, L103-L105.	4.5	102
28	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	3.7	77
29	Detection of C ₂ H ₂ and the D/H ratio on Titan. <i>Icarus</i> , 2008, 197, 539-548.	2.5	39
30	The composition of Titan's stratosphere from Cassini/CIRS mid-infrared spectra. <i>Icarus</i> , 2007, 189, 35-62.	2.5	367
31	Titan's Atmospheric Temperatures, Winds, and Composition. <i>Science</i> , 2005, 308, 975-978.	12.6	318
32	Exploring The Saturn System In The Thermal Infrared: The Composite Infrared Spectrometer. <i>Space Science Reviews</i> , 2004, 115, 169-297.	8.1	275
33	Identification of the 10-1/4m ammonia ice feature on Jupiter. <i>Planetary and Space Science</i> , 2004, 52, 385-395.	1.7	59
34	The gas composition of Jupiter derived from 5-1/4m airborne spectroscopic observations. <i>Icarus</i> , 1986, 66, 579-609.	2.5	82
35	The abundance and distribution of water vapor in Jupiter's atmosphere. <i>Astrophysical Journal</i> , 1986, 311, 1058.	4.5	79