

F Michael Flasar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,512
citations

471509

17
h-index

752698

20
g-index

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all docs

20
docs citations

20
times ranked

751
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	Vertical abundance profiles of hydrocarbons in Titan's atmosphere at 15° S and 80° N retrieved from Cassini/CIRS spectra. <i>Icarus</i> , 2007, 188, 120-138.	2.5	176
3	Analysis of Cassini/CIRS limb spectra of Titan acquired during the nominal mission. <i>Icarus</i> , 2010, 205, 559-570.	2.5	168
4	Titan's middle-atmospheric temperatures and dynamics observed by the Cassini Composite Infrared Spectrometer. <i>Icarus</i> , 2008, 194, 263-277.	2.5	133
5	Seasonal variations in Titan's middle atmosphere during the northern spring derived from Cassini/CIRS observations. <i>Icarus</i> , 2015, 250, 95-115.	2.5	99
6	Temporal variations of Titan's middle-atmospheric temperatures from 2004 to 2009 observed by Cassini/CIRS. <i>Icarus</i> , 2011, 211, 686-698.	2.5	84
7	Active upper-atmosphere chemistry and dynamics from polar circulation reversal on Titan. <i>Nature</i> , 2012, 491, 732-735.	27.8	80
8	Infrared limb sounding of Titan with the Cassini Composite InfraRed Spectrometer: effects of the mid-IR detector spatial responses. <i>Applied Optics</i> , 2009, 48, 1912.	2.1	49
9	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
10	Seasonal Evolution of Titan's Stratosphere Near the Poles. <i>Astrophysical Journal Letters</i> , 2018, 854, L30.	8.3	43
11	The formation and evolution of Titan's winter polar vortex. <i>Nature Communications</i> , 2017, 8, 1586.	12.8	41
12	Observation of a tilt of Titan's middle-atmospheric superrotation. <i>Icarus</i> , 2008, 197, 549-555.	2.5	40
13	Upper limits for undetected trace species in the stratosphere of Titan. <i>Faraday Discussions</i> , 2010, 147, 65.	3.2	40
14	Titan's temporal evolution in stratospheric trace gases near the poles. <i>Icarus</i> , 2016, 270, 409-420.	2.5	40
15	Detection of C ₂ H ₂ and the D/H ratio on Titan. <i>Icarus</i> , 2008, 197, 539-548.	2.5	39
16	The global energy balance of Titan. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	17
17	Spatial and seasonal variations in C ₃ H hydrocarbon abundance in Titan's stratosphere from Cassini CIRS observations. <i>Icarus</i> , 2019, 317, 454-469.	2.5	17
18	Ethane in Titan's Stratosphere from Cassini CIRS Far- and Mid-infrared Spectra. <i>Astronomical Journal</i> , 2019, 157, 160.	4.7	13

#	ARTICLE	IF	CITATIONS
19	Cassini Composite Infrared Spectrometer (CIRS) Observations of Titan 2004â€“2017. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 14.	7.7	12
20	Saturnâ€™s Atmospheric Helium Abundance from Cassini Composite Infrared Spectrometer Data. <i>Planetary Science Journal</i> , 2020, 1, 30.	3.6	9