

David Luz

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,435
citations

331670

21
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

842
citing authors

#	ARTICLE	IF	CITATIONS
1	Scientific goals for the observation of Venus by VIRTIS on ESA/Venus express mission. Planetary and Space Science, 2007, 55, 1653-1672.	1.7	155
2	Variable winds on Venus mapped in three dimensions. Geophysical Research Letters, 2008, 35, .	4.0	119
3	A coupled dynamics-microphysics model of Titan's atmosphere. Icarus, 2004, 170, 443-462.	2.5	112
4	South-polar features on Venus similar to those near the north pole. Nature, 2007, 450, 637-640.	27.8	110
5	A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express. Nature, 2007, 450, 641-645.	27.8	95
6	The Atmospheric Dynamics of Venus. Space Science Reviews, 2017, 212, 1541-1616.	8.1	95
7	TandEM: Titan and Enceladus mission. Experimental Astronomy, 2009, 23, 893-946.	3.7	77
8	Titan's stratospheric composition driven by condensation and dynamics. Journal of Geophysical Research, 2004, 109, .	3.3	72
9	Latitudinal transport by barotropic waves in Titan's stratosphere.. Icarus, 2003, 166, 343-358.	2.5	60
10	Venus's Southern Polar Vortex Reveals Precessing Circulation. Science, 2011, 332, 577-580.	12.6	54
11	Monitoring atmospheric phenomena on Titan. Astronomy and Astrophysics, 2006, 456, 761-774.	5.1	39
12	Titan atmosphere database. Advances in Space Research, 2005, 36, 2194-2198.	2.6	38
13	Venus's major cloud feature as an equatorially trapped wave distorted by the wind. Geophysical Research Letters, 2015, 42, 705-711.	4.0	36
14	Overview of the coordinated ground-based observations of Titan during the Huygens mission. Journal of Geophysical Research, 2006, 111, .	3.3	34
15	ANALYTICAL SOLUTION FOR WAVES IN PLANETS WITH ATMOSPHERIC SUPERROTATION. II. LAMB, SURFACE, AND CENTRIFUGAL WAVES. Astrophysical Journal, Supplement Series, 2014, 213, 18.	7.7	34
16	Mapping zonal winds at Venus's cloud tops from ground-based Doppler velocimetry. Icarus, 2012, 221, 248-261.	2.5	30
17	ANALYTICAL SOLUTION FOR WAVES IN PLANETS WITH ATMOSPHERIC SUPERROTATION. I. ACOUSTIC AND INERTIA-GRAVITY WAVES. Astrophysical Journal, Supplement Series, 2014, 213, 17.	7.7	30
18	Venus cloud-tracked and doppler velocimetry winds from CFHT/ESPaDOnS and Venus Express/VIRTIS in April 2014. Icarus, 2017, 285, 8-26.	2.5	30

#	ARTICLE	IF	CITATIONS
19	Impact of the seasonal variations of composition on the temperature field of Titan's stratosphere. Icarus, 2003, 163, 164-174.	2.5	29
20	Characterization of zonal winds in the stratosphere of Titan with UVES. Icarus, 2005, 179, 497-510.	2.5	29
21	Solar migrating atmospheric tides in the winds of the polar region of Venus. Icarus, 2012, 220, 958-970.	2.5	28
22	Latitudinal transport by barotropic waves in Titan's stratosphere.. Icarus, 2003, 166, 328-342.	2.5	27
23	Stratospheric global winds on Titan at the time of Huygens descent. Journal of Geophysical Research, 2006, 111, .	3.3	23
24	Wind circulation regimes at Venus's cloud tops: Ground-based Doppler velocimetry using CFHT/ESPaDOnS and comparison with simultaneous cloud tracking measurements using VEx/VIRTIS in February 2011. Icarus, 2014, 243, 249-263.	2.5	21
25	Nightside Winds at the Lower Clouds of Venus with Akatsuki/IR2: Longitudinal, Local Time, and Decadal Variations from Comparison with Previous Measurements. Astrophysical Journal, Supplement Series, 2018, 239, 29.	7.7	21
26	Characterization of zonal winds in the stratosphere of Titan with UVES: 2. Observations coordinated with the Huygens Probe entry. Journal of Geophysical Research, 2006, 111, .	3.3	19
27	On measuring planetary winds using high-resolution spectroscopy in visible wavelengths. Astronomy and Astrophysics, 2005, 431, 1157-1166.	5.1	12
28	An automated method for tracking clouds in planetary atmospheres. New Astronomy, 2008, 13, 224-232.	1.8	6
29	Characterization of the Zonal Wind Flow in the Upper Atmosphere of Titan with the VLT. Highlights of Astronomy, 2005, 13, 897-897.	0.0	0
30	Measuring Winds in Titan's Atmosphere with High-precision Doppler Velocimetry. , 2008, , 215-218.		0