

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 | Nightside Winds at the Lower Clouds of Venus with Akatsuki/IR2: Longitudinal, Local Time, and Decadal Variations from Comparison with Previous Measurements. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 29. | 7.7 | 21 |
| 2 | Venus cloud-tracked and doppler velocimetry winds from CFHT/ESPaDOnS and Venus Express/VIRTIS in April 2014. <i>Icarus</i> , 2017, 285, 8-26. | 2.5 | 30 |
| 3 | The Atmospheric Dynamics of Venus. <i>Space Science Reviews</i> , 2017, 212, 1541-1616. | 8.1 | 95 |
| 4 | Venus's major cloud feature as an equatorially trapped wave distorted by the wind. <i>Geophysical Research Letters</i> , 2015, 42, 705-711. | 4.0 | 36 |
| 5 | ANALYTICAL SOLUTION FOR WAVES IN PLANETS WITH ATMOSPHERIC SUPERROTATION. II. LAMB, SURFACE, AND CENTRIFUGAL WAVES. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 18. | 7.7 | 34 |
| 6 | ANALYTICAL SOLUTION FOR WAVES IN PLANETS WITH ATMOSPHERIC SUPERROTATION. I. ACOUSTIC AND INERTIA-GRAVITY WAVES. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 17. | 7.7 | 30 |
| 7 | 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. <i>Icarus</i> , 2014, 243, 249-263. | 2.5 | 21 |
| 8 | Solar migrating atmospheric tides in the winds of the polar region of Venus. <i>Icarus</i> , 2012, 220, 958-970. | 2.5 | 28 |
| 9 | Mapping zonal winds at Venus's cloud tops from ground-based Doppler velocimetry. <i>Icarus</i> , 2012, 221, 248-261. | 2.5 | 30 |
| 10 | Venus's Southern Polar Vortex Reveals Precessing Circulation. <i>Science</i> , 2011, 332, 577-580. | 12.6 | 54 |
| 11 | TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946. | 3.7 | 77 |
| 12 | An automated method for tracking clouds in planetary atmospheres. <i>New Astronomy</i> , 2008, 13, 224-232. | 1.8 | 6 |
| 13 | Variable winds on Venus mapped in three dimensions. <i>Geophysical Research Letters</i> , 2008, 35, . | 4.0 | 119 |
| 14 | Measuring Winds in Titan's Atmosphere with High-precision Doppler Velocimetry. , 2008, , 215-218. | | 0 |
| 15 | Scientific goals for the observation of Venus by VIRTIS on ESA/Venus express mission. <i>Planetary and Space Science</i> , 2007, 55, 1653-1672. | 1.7 | 155 |
| 16 | A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express. <i>Nature</i> , 2007, 450, 641-645. | 27.8 | 95 |
| 17 | South-polar features on Venus similar to those near the north pole. <i>Nature</i> , 2007, 450, 637-640. | 27.8 | 110 |
| 18 | Characterization of zonal winds in the stratosphere of Titan with UVES: 2. Observations coordinated with the Huygens Probe entry. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Stratospheric global winds on Titan at the time of Huygens descent. Journal of Geophysical Research, 2006, 111, . | 3.3 | 23 |
| 20 | Overview of the coordinated ground-based observations of Titan during the Huygens mission. Journal of Geophysical Research, 2006, 111, . | 3.3 | 34 |
| 21 | Monitoring atmospheric phenomena on Titan. Astronomy and Astrophysics, 2006, 456, 761-774. | 5.1 | 39 |
| 22 | 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 |
| 23 | Titan atmosphere database. Advances in Space Research, 2005, 36, 2194-2198. | 2.6 | 38 |
| 24 | Characterization of zonal winds in the stratosphere of Titan with UVES. Icarus, 2005, 179, 497-510. | 2.5 | 29 |
| 25 | On measuring planetary winds using high-resolution spectroscopy in visible wavelengths. Astronomy and Astrophysics, 2005, 431, 1157-1166. | 5.1 | 12 |
| 26 | A coupled dynamics-microphysics model of Titan's atmosphere. Icarus, 2004, 170, 443-462. | 2.5 | 112 |
| 27 | Titan's stratospheric composition driven by condensation and dynamics. Journal of Geophysical Research, 2004, 109, . | 3.3 | 72 |
| 28 | Impact of the seasonal variations of composition on the temperature field of Titan's stratosphere. Icarus, 2003, 163, 164-174. | 2.5 | 29 |
| 29 | Latitudinal transport by barotropic waves in Titan's stratosphere.. Icarus, 2003, 166, 343-358. | 2.5 | 60 |
| 30 | Latitudinal transport by barotropic waves in Titan's stratosphere.. Icarus, 2003, 166, 328-342. | 2.5 | 27 |