# Javier Peralta

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5661228/publications.pdf

Version: 2024-02-01

| 47 | 1,372 | 304368 | 344852 |
|---|---|---|---|
| papers | citations | 22 h-index | 36 g-index |

| 54 | 54 | 54 | 757 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Variable winds on Venus mapped in three dimensions. Geophysical Research Letters, 2008, 35, . | 1.5 | 119 |
| 2 | AKATSUKI returns to Venus. Earth, Planets and Space, 2016, 68, . | 0.9 | 89 |
| 3 | Six years of Venus winds at the upper cloud level from UV, visible and near infrared observations from VIRTIS on Venus Express. Planetary and Space Science, 2015, 113-114, 78-99. | 0.9 | 69 |
| 4 | Assessing the long-term variability of Venus winds at cloud level from VIRTISâ€“Venus Express. Icarus, 2012, 217, 585-598. | 1.1 | 67 |
| 5 | A reanalysis of Venus winds at two cloud levels from Galileo SSI images. Icarus, 2007, 190, 469-477. | 1.1 | 60 |
| 6 | Characterization of mesoscale gravity waves in the upper and lower clouds of Venus from VEXâ€VIRTIS images. Journal of Geophysical Research, 2008, 113, . | 3.3 | 60 |
| 7 | Mean winds at the cloud top of Venus obtained from two-wavelength UV imaging by Akatsuki. Earth, Planets and Space, 2018, 70, . | 0.9 | 52 |
| 8 | A clear view of the multifaceted dayside ionosphere of Mars. Geophysical Research Letters, 2012, 39, . | 1.5 | 42 |
| 9 | High latitude gravity waves at the Venus cloud tops as observed by the Venus Monitoring Camera on board Venus Express. Icarus, 2014, 227, 94-111. | 1.1 | 41 |
| 10 | Carbon monoxide and temperature in the upper atmosphere of Venus from VIRTIS/Venus Express non-LTE limb measurements. Icarus, 2015, 248, 478-498. | 1.1 | 41 |
| 11 | Venus Upper Clouds and the UV Absorber From MESSENGER/MASCS Observations. Journal of Geophysical Research E: Planets, 2018, 123, 145-162. | 1.5 | 41 |
| 12 | How waves and turbulence maintain the super-rotation of Venusâ€™ atmosphere. Science, 2020, 368, 405-409. | 6.0 | 41 |
| 13 | The Planetary Laboratory for Image Analysis (PLIA). Advances in Space Research, 2010, 46, 1120-1138. | 1.2 | 37 |
| 14 | Venus's major cloud feature as an equatorially trapped wave distorted by the wind. Geophysical Research Letters, 2015, 42, 705-711. | 1.5 | 36 |
| 15 | Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. Nature Geoscience, 2017, 10, 646-651. | 5.4 | 35 |
| 16 | Stationary waves and slowly moving features in the night upper clouds of Venus. Nature Astronomy, 2017, 1, . | 4.2 | 35 |
| 17 | ANALYTICAL SOLUTION FOR WAVES IN PLANETS WITH ATMOSPHERIC SUPERROTATION. II. LAMB, SURFACE, AND CENTRIFUGAL WAVES. Astrophysical Journal, Supplement Series, 2014, 213, 18. | 3.0 | 34 |
| 18 | A chaotic long-lived vortex at the southern pole of Venus. Nature Geoscience, 2013, 6, 254-257. | 5.4 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The EChO science case. Experimental Astronomy, 2015, 40, 329-391. | 1.6 | 31 |
| 20 | Venus looks different from day to night across wavelengths: morphology from Akatsuki multispectral images. Earth, Planets and Space, 2018, 70, 24. | 0.9 | 31 |
| 21 | ANALYTICAL SOLUTION FOR WAVES IN PLANETS WITH ATMOSPHERIC SUPERROTATION. I. ACOUSTIC AND INERTIA-GRAVITY WAVES. Astrophysical Journal, Supplement Series, 2014, 213, 17. | 3.0 | 30 |
| 22 | Venus cloud-tracked and doppler velocimetry winds from CFHT/ESPaDOnS and Venus Express/VIRTIS in April 2014. Icarus, 2017, 285, 8-26. | 1.1 | 30 |
| 23 | Long-term Variations of Venusâ€™s 365 nm Albedo Observed by Venus Express, Akatsuki, MESSENGER, and the Hubble Space Telescope. Astronomical Journal, 2019, 158, 126. | 1.9 | 30 |
| 24 | Solar migrating atmospheric tides in the winds of the polar region of Venus. Icarus, 2012, 220, 958-970. | 1.1 | 28 |
| 25 | Cloud brightness distribution and turbulence in Venus using Galileo violet images. Icarus, 2007, 188, 305-314. | 1.1 | 22 |
| 26 | Wind circulation regimes at Venusâ€™ 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. | 1.1 | 21 |
| 27 | Overview of useful spectral regions for Venus: An update to encourage observations complementary to the Akatsuki mission. Icarus, 2017, 288, 235-239. | 1.1 | 21 |
| 28 | 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. | 3.0 | 21 |
| 29 | New cloud morphologies discovered on the Venus's night during Akatsuki. Icarus, 2019, 333, 177-182. | 1.1 | 20 |
| 30 | Venus's winds and temperatures during the MESSENGER's flyby: An approximation to a threeâ€dimensional instantaneous state of the atmosphere. Geophysical Research Letters, 2017, 44, 3907-3915. | 1.5 | 18 |
| 31 | A Longâ€Lived Sharp Disruption on the Lower Clouds of Venus. Geophysical Research Letters, 2020, 47, e2020GL087221. | 1.5 | 17 |
| 32 | VENUS CLOUD MORPHOLOGY AND MOTIONS FROM GROUND-BASED IMAGES AT THE TIME OF THE AKATSUKI ORBIT INSERTION<sup>â^—</sup>. Astrophysical Journal Letters, 2016, 833, L7. | 3.0 | 16 |
| 33 | Venus' cloud top wind study: Coordinated Akatsuki/UVI with cloud tracking and TNG/HARPS-N with Doppler velocimetry observations. Icarus, 2020, 335, 113418. | 1.1 | 16 |
| 34 | The nightside cloud-top circulation of the atmosphere of Venus. Nature, 2021, 595, 511-515. | 13.7 | 14 |
| 35 | Dayside temperatures in the Venus upper atmosphere from Venus Express/VIRTIS nadir measurements at 4.3Î¼m. Astronomy and Astrophysics, 2016, 585, A53. | 2.1 | 12 |
| 36 | Parker Solar Probe Imaging of the Night Side of Venus. Geophysical Research Letters, 2022, 49, . | 1.5 | 12 |

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|---|---|---|---|
| 37 | Venus Atmospheric Dynamics at Two Altitudes: Akatsuki and Venus Express Cloud Tracking, Ground-Based Doppler Observations and Comparison with Modelling. Atmosphere, 2021, 12, 506. | 1.0 | 11 |
| 38 | Morphology and Dynamics of Venus's Middle Clouds With Akatsuki/IR1. Geophysical Research Letters, 2019, 46, 2399-2407. | 1.5 | 10 |
| 39 | NO+ fundamental and first hot ro-vibrational line frequencies from MIPAS/Envisat atmospheric spectra. Journal of Molecular Spectroscopy, 2006, 237, 218-224. | 0.4 | 7 |
| 40 | Multilayer hazes over Saturnâ€™s hexagon from Cassini ISS limb images. Nature Communications, 2020, 11, 2281. | 5.8 | 6 |
| 41 | Using VIRTIS on Venus Express to Constrain the Properties of the Giant Dark Cloud Observed in Images of Venus by IR2 on Akatsuki. Planetary Science Journal, 2021, 2, 153. | 1.5 | 6 |
| 42 | Spatial and Temporal Variability of the 365â€nm Albedo of Venus Observed by the Camera on Board Venus Express. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006271. | 1.5 | 4 |
| 43 | Characterising atmospheric gravity waves on the nightside lower clouds of Venus: a systematic analysis. Astronomy and Astrophysics, 2021, 649, A34. | 2.1 | 2 |
| 44 | Winds, turbulence and waves in the clouds of Venus. Planetary and Space Science, 2010, 58, 882-883. | 0.9 | 1 |
| 45 | Amateur Observers Witness the Return of Venusâ€™ Cloud Discontinuity. Atmosphere, 2022, 13, 348. | 1.0 | 1 |
| 46 | Venusâ€™ Cloud-Tracked Winds Using Ground- and Space-Based Observations with TNG/NICS and VEx/VIRTIS. Atmosphere, 2022, 13, 337. | 1.0 | 1 |
| 47 | Venus Spectrophotometry During the MESSENGER Mission Fly-By. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 455-455. | 0.3 | 0 |