

# Javier Peralta

## List of Publications by Year in descending order

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47  
papers

1,372  
citations

304743

22  
h-index

345221

36  
g-index

54  
all docs

54  
docs citations

54  
times ranked

757  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable winds on Venus mapped in three dimensions. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	119
2	AKATSUKI returns to Venus. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	89
3	Six years of Venus winds at the upper cloud level from UV, visible and near infrared observations from VIRTIS on Venus Express. <i>Planetary and Space Science</i> , 2015, 113-114, 78-99.	1.7	69
4	Assessing the long-term variability of Venus winds at cloud level from VIRTISâ€“Venus Express. <i>Icarus</i> , 2012, 217, 585-598.	2.5	67
5	A reanalysis of Venus winds at two cloud levels from Galileo SSI images. <i>Icarus</i> , 2007, 190, 469-477.	2.5	60
6	Characterization of mesoscale gravity waves in the upper and lower clouds of Venus from VEXâ€“VIRTIS images. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
7	Mean winds at the cloud top of Venus obtained from two-wavelength UV imaging by Akatsuki. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	52
8	A clear view of the multifaceted dayside ionosphere of Mars. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	42
9	High latitude gravity waves at the Venus cloud tops as observed by the Venus Monitoring Camera on board Venus Express. <i>Icarus</i> , 2014, 227, 94-111.	2.5	41
10	Carbon monoxide and temperature in the upper atmosphere of Venus from VIRTIS/Venus Express non-LTE limb measurements. <i>Icarus</i> , 2015, 248, 478-498.	2.5	41
11	Venus Upper Clouds and the UV Absorber From MESSENGER/MASCS Observations. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 145-162.	3.6	41
12	How waves and turbulence maintain the super-rotation of Venusâ€™ atmosphere. <i>Science</i> , 2020, 368, 405-409.	12.6	41
13	The Planetary Laboratory for Image Analysis (PLIA). <i>Advances in Space Research</i> , 2010, 46, 1120-1138.	2.6	37
14	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
15	Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. <i>Nature Geoscience</i> , 2017, 10, 646-651.	12.9	35
16	Stationary waves and slowly moving features in the night upper clouds of Venus. <i>Nature Astronomy</i> , 2017, 1, .	10.1	35
17	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
18	A chaotic long-lived vortex at the southern pole of Venus. <i>Nature Geoscience</i> , 2013, 6, 254-257.	12.9	32

#	ARTICLE	IF	CITATIONS
19	The EChO science case. <i>Experimental Astronomy</i> , 2015, 40, 329-391.	3.7	31
20	Venus looks different from day to night across wavelengths: morphology from Akatsuki multispectral images. <i>Earth, Planets and Space</i> , 2018, 70, 24.	2.5	31
21	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
22	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
23	Long-term Variations of Venus's 365 nm Albedo Observed by Venus Express, Akatsuki, MESSENGER, and the Hubble Space Telescope. <i>Astronomical Journal</i> , 2019, 158, 126.	4.7	30
24	Solar migrating atmospheric tides in the winds of the polar region of Venus. <i>Icarus</i> , 2012, 220, 958-970.	2.5	28
25	Cloud brightness distribution and turbulence in Venus using Galileo violet images. <i>Icarus</i> , 2007, 188, 305-314.	2.5	22
26	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
27	Overview of useful spectral regions for Venus: An update to encourage observations complementary to the Akatsuki mission. <i>Icarus</i> , 2017, 288, 235-239.	2.5	21
28	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
29	New cloud morphologies discovered on the Venus's night during Akatsuki. <i>Icarus</i> , 2019, 333, 177-182.	2.5	20
30	Venus's winds and temperatures during the MESSENGER's flyby: An approximation to a three-dimensional instantaneous state of the atmosphere. <i>Geophysical Research Letters</i> , 2017, 44, 3907-3915.	4.0	18
31	A Long-Lived Sharp Disruption on the Lower Clouds of Venus. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087221.	4.0	17
32	VENUS CLOUD MORPHOLOGY AND MOTIONS FROM GROUND-BASED IMAGES AT THE TIME OF THE AKATSUKI ORBIT INSERTION. <i>Astrophysical Journal Letters</i> , 2016, 833, L7.	8.3	16
33	Venus' cloud top wind study: Coordinated Akatsuki/LVI with cloud tracking and TNG/HARPS-N with Doppler velocimetry observations. <i>Icarus</i> , 2020, 335, 113418.	2.5	16
34	The nightside cloud-top circulation of the atmosphere of Venus. <i>Nature</i> , 2021, 595, 511-515.	27.8	14
35	Dayside temperatures in the Venus upper atmosphere from Venus Express/VIRTIS nadir measurements at 4.3-14 m. <i>Astronomy and Astrophysics</i> , 2016, 585, A53.	5.1	12
36	Parker Solar Probe Imaging of the Night Side of Venus. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	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. <i>Atmosphere</i> , 2021, 12, 506.	2.3	11
38	Morphology and Dynamics of Venus's Middle Clouds With Akatsuki/IR1. <i>Geophysical Research Letters</i> , 2019, 46, 2399-2407.	4.0	10
39	NO+ fundamental and first hot ro-vibrational line frequencies from MIPAS/Envisat atmospheric spectra. <i>Journal of Molecular Spectroscopy</i> , 2006, 237, 218-224.	1.2	7
40	Multilayer hazes over Saturn's hexagon from Cassini ISS limb images. <i>Nature Communications</i> , 2020, 11, 2281.	12.8	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. <i>Planetary Science Journal</i> , 2021, 2, 153.	3.6	6
42	Spatial and Temporal Variability of the 365nm Albedo of Venus Observed by the Camera on Board Venus Express. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006271.	3.6	4
43	Characterising atmospheric gravity waves on the nightside lower clouds of Venus: a systematic analysis. <i>Astronomy and Astrophysics</i> , 2021, 649, A34.	5.1	2
44	Winds, turbulence and waves in the clouds of Venus. <i>Planetary and Space Science</i> , 2010, 58, 882-883.	1.7	1
45	Amateur Observers Witness the Return of Venus's Cloud Discontinuity. <i>Atmosphere</i> , 2022, 13, 348.	2.3	1
46	Venus's Cloud-Tracked Winds Using Ground- and Space-Based Observations with TNG/NICS and VEx/VIRTIS. <i>Atmosphere</i> , 2022, 13, 337.	2.3	1
47	Venus Spectrophotometry During the MESSENGER Mission Fly-By. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010, , 455-455.	0.3	0