Javier Peralta

List of Publications by Year in descending order

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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	Parker Solar Probe Imaging of the Night Side of Venus. Geophysical Research Letters, 2022, 49, .	1.5	12
2	Amateur Observers Witness the Return of Venusâ€™ Cloud Discontinuity. Atmosphere, 2022, 13, 348.	1.0	1
3	Venusâ€™ Cloud-Tracked Winds Using Ground- and Space-Based Observations with TNG/NICS and VEx/VIRTIS. Atmosphere, 2022, 13, 337.	1.0	1
4	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
5	Characterising atmospheric gravity waves on the nightside lower clouds of Venus: a systematic analysis. Astronomy and Astrophysics, 2021, 649, A34.	2.1	2
6	The nightside cloud-top circulation of the atmosphere of Venus. Nature, 2021, 595, 511-515.	13.7	14
7	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
8	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
9	Multilayer hazes over Saturnâ€™s hexagon from Cassini ISS limb images. Nature Communications, 2020, 11, 2281.	5.8	6
10	A Longâ€Lived Sharp Disruption on the Lower Clouds of Venus. Geophysical Research Letters, 2020, 47, e2020GL087221.	1.5	17
11	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
12	How waves and turbulence maintain the super-rotation of Venusâ€™ atmosphere. Science, 2020, 368, 405-409.	6.0	41
13	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
14	New cloud morphologies discovered on the Venus's night during Akatsuki. Icarus, 2019, 333, 177-182.	1.1	20
15	Morphology and Dynamics of Venus's Middle Clouds With Akatsuki/IR1. Geophysical Research Letters, 2019, 46, 2399-2407.	1.5	10
16	Venus Upper Clouds and the UV Absorber From MESSENGER/MASCS Observations. Journal of Geophysical Research E: Planets, 2018, 123, 145-162.	1.5	41
17	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
18	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

#	Article	IF	Citations
19	Venus looks different from day to night across wavelengths: morphology from Akatsuki multispectral images. Earth, Planets and Space, 2018, 70, 24.	0.9	31
20	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
21	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
22	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
23	Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. Nature Geoscience, 2017, 10, 646-651.	5.4	35
24	Stationary waves and slowly moving features in the night upper clouds of Venus. Nature Astronomy, 2017, 1, .	4.2	35
25	VENUS CLOUD MORPHOLOGY AND MOTIONS FROM GROUND-BASED IMAGES AT THE TIME OF THE AKATSUKI ORBIT INSERTION^{âˆ—}. Astrophysical Journal Letters, 2016, 833, L7.	3.0	16
26	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
27	AKATSUKI returns to Venus. Earth, Planets and Space, 2016, 68, .	0.9	89
28	The EChO science case. Experimental Astronomy, 2015, 40, 329-391.	1.6	31
29	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
30	Venus's major cloud feature as an equatorially trapped wave distorted by the wind. Geophysical Research Letters, 2015, 42, 705-711.	1.5	36
31	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
32	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
33	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
34	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
35	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
36	A chaotic long-lived vortex at the southern pole of Venus. Nature Geoscience, 2013, 6, 254-257.	5.4	32

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37	A clear view of the multifaceted dayside ionosphere of Mars. Geophysical Research Letters, 2012, 39, .	1.5	42
38	Solar migrating atmospheric tides in the winds of the polar region of Venus. Icarus, 2012, 220, 958-970.	1.1	28
39	Assessing the long-term variability of Venus winds at cloud level from VIRTISâ€“Venus Express. Icarus, 2012, 217, 585-598.	1.1	67
40	The Planetary Laboratory for Image Analysis (PLIA). Advances in Space Research, 2010, 46, 1120-1138.	1.2	37
41	Winds, turbulence and waves in the clouds of Venus. Planetary and Space Science, 2010, 58, 882-883.	0.9	1
42	Venus Spectrophotometry During the MESSENGER Mission Fly-By. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 455-455.	0.3	0
43	Variable winds on Venus mapped in three dimensions. Geophysical Research Letters, 2008, 35, .	1.5	119
44	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
45	A reanalysis of Venus winds at two cloud levels from Galileo SSI images. Icarus, 2007, 190, 469-477.	1.1	60
46	Cloud brightness distribution and turbulence in Venus using Galileo violet images. Icarus, 2007, 188, 305-314.	1.1	22
47	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