

Arianna Piccialli

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

656
citations

623734

14
h-index

580821

25
g-index

61
all docs

61
docs citations

61
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical properties of the Venus mesosphere from the radio-occultation experiment VeRa onboard Venus Express. <i>Icarus</i> , 2012, 217, 669-681.	2.5	65
2	Explanation for the Increase in High-Altitude Water on Mars Observed by NOMAD During the 2018 Global Dust Storm. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL084354.	4.0	62
3	Update of the Venus density and temperature profiles at high altitude measured by SOIR on board Venus Express. <i>Planetary and Space Science</i> , 2015, 113-114, 309-320.	1.7	59
4	Vertical structure of the Venus cloud top from the VeRa and VIRTIS observations onboard Venus Express. <i>Icarus</i> , 2012, 217, 599-609.	2.5	57
5	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
6	Thermal structure of Venus nightside upper atmosphere measured by stellar occultations with SPICAV/Venus Express. <i>Planetary and Space Science</i> , 2015, 113-114, 321-335.	1.7	37
7	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
8	The thermal structure of the Venus atmosphere: Intercomparison of Venus Express and ground based observations of vertical temperature and density profiles. <i>Icarus</i> , 2017, 294, 124-155.	2.5	34
9	Cyclostrophic winds from the Visible and Infrared Thermal Imaging Spectrometer temperature sounding: A preliminary analysis. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	33
10	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
11	COVID-19 lockdown effects on gender inequality. <i>Nature Astronomy</i> , 2020, 4, 1114-1114.	10.1	28
12	The contribution of the ARIEL space mission to the study of planetary formation. <i>Experimental Astronomy</i> , 2018, 46, 45-65.	3.7	19
13	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
14	ExoMars TGO/NOMAD-UVIS Vertical Profiles of Ozone: 1. Seasonal Variation and Comparison to Water. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006837.	3.6	18
15	SOIR/VEx observations of water vapor at the terminator in the Venus mesosphere. <i>Icarus</i> , 2020, 346, 113819.	2.5	15
16	ExoMars TGO/NOMAD-UVIS Vertical Profiles of Ozone: 2. The High-Altitude Layers of Atmospheric Ozone. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006834.	3.6	14
17	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
18	First Detection and Thermal Characterization of Terminator CO ₂ Ice Clouds With ExoMars/NOMAD. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	12

#	ARTICLE	IF	CITATIONS
19	Explaining NOMAD D/H Observations by Cloud-Induced Fractionation of Water Vapor on Mars. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	11
20	Impact of gradients at the martian terminator on the retrieval of ozone from SPICAM/MEx. Icarus, 2021, 353, 113598.	2.5	8
21	A Global and Seasonal Perspective of Martian Water Vapor From ExoMars/NOMAD. Journal of Geophysical Research E: Planets, 2021, 126, .	3.6	8
22	Planet-Wide Ozone Destruction in the Middle Atmosphere on Mars During Global Dust Storm. Geophysical Research Letters, 2022, 49, .	4.0	7
23	CO ₂ non-LTE limb emissions in Mars' atmosphere as observed by OMEGA/Mars Express. Journal of Geophysical Research E: Planets, 2016, 121, 1066-1086.	3.6	6
24	Mapping the thermal structure and minor species of Venus mesosphere with ALMA submillimeter observations. Astronomy and Astrophysics, 0, , .	5.1	6
25	CO ₂ retrievals in the Mars daylight thermosphere from its 4.3- μ m limb emission measured by OMEGA/MEx. Icarus, 2021, 353, 113830.	2.5	6
26	Determination of the Venus eddy diffusion profile from CO and CO ₂ profiles using SOIR/Venus Express observations. Icarus, 2021, 361, 114388.	2.5	6
27	Calibration of the NOMAD-UVIS data. Planetary and Space Science, 2022, 218, 105504.	1.7	5
28	Long term evolution of temperature in the venus upper atmosphere at the evening and morning terminators. Icarus, 2018, 299, 370-385.	2.5	3
29	Characterizing atmospheric waves on Venus, Earth, and Mars. Eos, 2012, 93, 220-220.	0.1	1
30	Participation of women scientists in ESA solar system missions: a historical trend. Advances in Geosciences, 0, 53, 169-182.	12.0	1