

# Yeon Joo Lee

## List of Publications by Year in descending order

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39  
papers

932  
citations

394421

19  
h-index

454955

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

543  
citing authors

#	ARTICLE	IF	CITATIONS
1	AKATSUKI returns to Venus. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	89
2	Initial performance of the radio occultation experiment in the Venus orbiter mission Akatsuki. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	60
3	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
4	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
5	Climatology of SO <sub>2</sub> and UV absorber at Venus' cloud top from SPICAV-UV nadir dataset. <i>Icarus</i> , 2020, 335, 113368.	2.5	50
6	Venus, an Astrobiology Target. <i>Astrobiology</i> , 2021, 21, 1163-1185.	3.0	38
7	Long-term variations of the UV contrast on Venus observed by the Venus Monitoring Camera on board Venus Express. <i>Icarus</i> , 2015, 253, 1-15.	2.5	36
8	Stationary waves and slowly moving features in the night upper clouds of Venus. <i>Nature Astronomy</i> , 2017, 1, .	10.1	35
9	Ultraviolet imager on Venus orbiter Akatsuki and its initial results. <i>Earth, Planets and Space</i> , 2018, 70, 23.	2.5	34
10	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
11	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
12	Scattering Properties of the Venusian Clouds Observed by the UV Imager on board Akatsuki. <i>Astronomical Journal</i> , 2017, 154, 44.	4.7	27
13	Global Structure of Thermal Tides in the Upper Cloud Layer of Venus Revealed by LIR on Board Akatsuki. <i>Geophysical Research Letters</i> , 2019, 46, 9457-9465.	4.0	26
14	HDO and SO <sub>2</sub> thermal mapping on Venus. <i>Astronomy and Astrophysics</i> , 2019, 623, A70.	5.1	26
15	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	25
16	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
17	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
18	Potential for Phototrophy in Venus' Clouds. <i>Astrobiology</i> , 2021, 21, 1237-1249.	3.0	21

#	ARTICLE	IF	CITATIONS
19	Overview of Akatsuki data products: definition of data levels, method and accuracy of geometric correction. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	20
20	New cloud morphologies discovered on the Venus's night during Akatsuki. <i>Icarus</i> , 2019, 333, 177-182.	2.5	20
21	The radiative forcing variability caused by the changes of the upper cloud vertical structure in the Venus mesosphere. <i>Planetary and Space Science</i> , 2015, 113-114, 298-308.	1.7	19
22	HDO and SO <sub>2</sub> thermal mapping on Venus. <i>Astronomy and Astrophysics</i> , 2020, 639, A69.	5.1	19
23	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
24	Stationary Features at the Cloud Top of Venus Observed by Ultraviolet Imager Onboard Akatsuki. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1266-1281.	3.6	17
25	A Long-Lived Sharp Disruption on the Lower Clouds of Venus. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087221.	4.0	17
26	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
27	Venus' cloud top wind study: Coordinated Akatsuki/UVI with cloud tracking and TNG/HARPS-N with Doppler velocimetry observations. <i>Icarus</i> , 2020, 335, 113418.	2.5	16
28	Sudden increase in the total ozone density due to secondary ozone peaks and its effect on total ozone trends over Korea. <i>Atmospheric Environment</i> , 2012, 47, 226-235.	4.1	15
29	Sensitivity of net thermal flux to the abundance of trace gases in the lower atmosphere of Venus. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1737-1752.	3.6	15
30	Dayside cloud top structure of Venus retrieved from Akatsuki IR2 observations. <i>Icarus</i> , 2020, 345, 113682.	2.5	13
31	Morphology and Dynamics of Venus's Middle Clouds With Akatsuki/IR1. <i>Geophysical Research Letters</i> , 2019, 46, 2399-2407.	4.0	10
32	Brightness modulations of our nearest terrestrial planet Venus reveal atmospheric super-rotation rather than surface features. <i>Nature Communications</i> , 2020, 11, 5720.	12.8	10
33	Investigation of UV Absorbers on Venus Using the 283 and 365 nm Phase Curves Obtained From Akatsuki. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090577.	4.0	5
34	Instrumental requirements for the study of Venus's cloud top using the UV imaging spectrometer VeSUV. <i>Advances in Space Research</i> , 2021, 68, 275-291.	2.6	5
35	Spatial and Temporal Variability of the 365 nm 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
36	A Recharge Oscillator Model for Interannual Variability in Venus's Clouds. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006568.	3.6	3

#	ARTICLE	IF	CITATIONS
37	Correlation of Venusian Mesoscale Cloud Morphology Between Images Acquired at Various Wavelengths. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	3
38	Principal components of short-term variability in the ultraviolet albedo of Venus. <i>Astronomy and Astrophysics</i> , 2019, 626, A30.	5.1	2
39	Vertical Coupling Between the Cloudâ€Level Atmosphere and the Thermosphere of Venus Inferred From the Simultaneous Observations by Hisaki and Akatsuki. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006192.	3.6	2