

Kevin McGouldrick

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

510
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

434
citing authors

#	ARTICLE	IF	CITATIONS
1	Models of the global cloud structure on Venus derived from Venus Express observations. <i>Icarus</i> , 2012, 217, 542-560.	2.5	95
2	Clouds and Hazes of Venus. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	95
3	An investigation of possible causes of the holes in the condensational Venus cloud using a microphysical cloud model with a radiative-dynamical feedback. <i>Icarus</i> , 2007, 191, 1-24.	2.5	43
4	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
5	Sulfuric acid aerosols in the atmospheres of the terrestrial planets. <i>Planetary and Space Science</i> , 2011, 59, 934-941.	1.7	31
6	The abundance and vertical distribution of the unknown ultraviolet absorber in the venusian atmosphere from analysis of Venus Monitoring Camera images. <i>Icarus</i> , 2012, 217, 648-660.	2.5	27
7	Observable effects of convection and gravity waves on the Venus condensational cloud. <i>Planetary and Space Science</i> , 2008, 56, 1112-1131.	1.7	22
8	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
9	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
10	New cloud morphologies discovered on the Venus's night during Akatsuki. <i>Icarus</i> , 2019, 333, 177-182.	2.5	20
11	Quantification of middle and lower cloud variability and mesoscale dynamics from Venus Express/VIRTIS observations at 1.74 μ m. <i>Icarus</i> , 2012, 217, 615-628.	2.5	19
12	A Long-Lived Sharp Disruption on the Lower Clouds of Venus. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087221.	4.0	17
13	Effects of variation in coagulation and photochemistry parameters on the particle size distributions in the Venus clouds. <i>Earth, Planets and Space</i> , 2017, 69, 161.	2.5	14
14	Venus Express/VIRTIS observations of middle and lower cloud variability and implications for dynamics. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	11
15	Modeling the effects of shear on the evolution of the holes in the condensational clouds of Venus. <i>Icarus</i> , 2008, 196, 35-48.	2.5	10
16	Discovery of a 150 day period in the Venus condensational clouds. <i>Icarus</i> , 2017, 286, 118-133.	2.5	10
17	Special issue "Akatsuki at Venus: The First Year of Scientific Operation". <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	7
18	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

#	ARTICLE	IF	CITATIONS
19	Measurement of isothermal pressure of lattice gas by random walk. Physica A: Statistical Mechanics and Its Applications, 1998, 255, 415-422.	2.6	3
20	General circulation of Venus from a long-term synoptic study of tropospheric CO by Venus Express/VIRTIS. Icarus, 2017, 289, 173-180.	2.5	3
21	Atmospheric science looks to Venus. Nature Geoscience, 2018, 11, 4-5.	12.9	0