Kevin McGouldrick

List of Publications by Year
in descending order

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	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.	3.6	6
2	A Longâ€Lived Sharp Disruption on the Lower Clouds of Venus. Geophysical Research Letters, 2020, 47, e2020GL087221.	4.0	17
3	New cloud morphologies discovered on the Venus's night during Akatsuki. Icarus, 2019, 333, 177-182.	2.5	20
4	Atmospheric science looks to Venus. Nature Geoscience, 2018, 11, 4-5.	12.9	0
5	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.	7.7	21
6	Special issue â€œAkatsuki at Venus: The First Year of Scientific Operationâ€• Earth, Planets and Space, 2018, 70, .	2.5	7
7	Clouds and Hazes of Venus. Space Science Reviews, 2018, 214, 1.	8.1	95
8	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
9	Overview of useful spectral regions for Venus: An update to encourage observations complementary to the Akatsuki mission. Icarus, 2017, 288, 235-239.	2.5	21
10	Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. Nature Geoscience, 2017, 10, 646-651.	12.9	35
11	Discovery of a 150 day period in the Venus condensational clouds. Icarus, 2017, 286, 118-133.	2.5	10
12	Effects of variation in coagulation and photochemistry parameters on the particle size distributions in the Venus clouds. Earth, Planets and Space, 2017, 69, 161.	2.5	14
13	Models of the global cloud structure on Venus derived from Venus Express observations. Icarus, 2012, 217, 542-560.	2.5	95
14	Quantification of middle and lower cloud variability and mesoscale dynamics from Venus Express/VIRTIS observations at 1.74Î¼m. Icarus, 2012, 217, 615-628.	2.5	19
15	The abundance and vertical distribution of the unknown ultraviolet absorber in the venusian atmosphere from analysis of Venus Monitoring Camera images. Icarus, 2012, 217, 648-660.	2.5	27
16	Sulfuric acid aerosols in the atmospheres of the terrestrial planets. Planetary and Space Science, 2011, 59, 934-941.	1.7	31
17	Observable effects of convection and gravity waves on the Venus condensational cloud. Planetary and Space Science, 2008, 56, 1112-1131.	1.7	22
18	Modeling the effects of shear on the evolution of the holes in the condensational clouds of Venus. Icarus, 2008, 196, 35-48.	2.5	10

#	Article	IF	Citations
19	Venus Express/VIRTIS observations of middle and lower cloud variability and implications for dynamics. Journal of Geophysical Research, 2008, 113, .	3.3	11
20	An investigation of possible causes of the holes in the condensational Venus cloud using a microphysical cloud model with a radiative-dynamical feedback. Icarus, 2007, 191, 1-24.	2.5	43
21	Measurement of isothermal pressure of lattice gas by random walk. Physica A: Statistical Mechanics and Its Applications, 1998, 255, 415-422.	2.6	3