Xi Zhang

List of Publications by Year
in descending order

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16 papers	750 citations	759233 12 h-index	940533 16 g-index
19 all docs	19 docs citations	19 times ranked	1006 citing authors

#	Article	IF	Citations
1	Local-time Dependence of Chemical Species in the Venusian Mesosphere. Planetary Science Journal, 2022, 3, 3.	3.6	3
2	A Simple Condensation Model for the H₂SO₄â€“H₂O Gasâ€Cloud System on Venus. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	6
3	Abnormal Phase Structure of Thermal Tides During Major Dust Storms on Mars: Implications for the Excitation Source of Highâ€altitude Water Ice Clouds. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006758.	3.6	6
4	Large Eddy Simulations of the Dusty Martian Convective Boundary Layer With MarsWRF. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006752.	3.6	17
5	Revisiting the Sulfurâ€Water Chemical System in the Middle Atmosphere of Venus. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006195.	3.6	15
6	Chemical Cycling in the Venusian Atmosphere: A Full Photochemical Model From the Surface to 110Âkm. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006159.	3.6	38
7	Dust tides and rapid meridional motions in the Martian atmosphere during major dust storms. Nature Communications, 2020, 11, 614.	12.8	26
8	HDO and SO₂thermal mapping on Venus. Astronomy and Astrophysics, 2020, 639, A69.	5.1	19
9	Global-mean Vertical Tracer Mixing in Planetary Atmospheres. I. Theory and Fast-rotating Planets. Astrophysical Journal, 2018, 866, 1.	4.5	60
10	Global-mean Vertical Tracer Mixing in Planetary Atmospheres. II.ÂTidally Locked Planets. Astrophysical Journal, 2018, 866, 2.	4.5	53
11	Bimodal distribution of sulfuric acid aerosols in the upper haze of Venus. Icarus, 2014, 231, 83-98.	2.5	79
12	JOVIAN STRATOSPHERE AS A CHEMICAL TRANSPORT SYSTEM: BENCHMARK ANALYTICAL SOLUTIONS. Astrophysical Journal, 2013, 767, 172.	4.5	12
13	Diffusion-Limited Versus Quasi-Equilibrium Aerosol Growth. Aerosol Science and Technology, 2012, 46, 874-885.	3.1	61
14	Sulfur chemistry in the middle atmosphere of Venus. Icarus, 2012, 217, 714-739.	2.5	176
15	Vertical profiling of SO2 and SO above Venusâ€™ clouds by SPICAV/SOIR solar occultations. Icarus, 2012, 217, 740-751.	2.5	103
16	Photolysis of sulphuric acid as the source of sulphur oxides in the mesosphere of Venus. Nature Geoscience, 2010, 3, 834-837.	12.9	75