Sanjay Limaye

List of Publications by Year
in descending order

64	2,722	147726	182361
papers	citations	31 h-index	51 g-index

71	71	71	1507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Jupiter: New estimates of the mean zonal flow at the cloud level. Icarus, 1986, 65, 335-352.	1.1	216
2	Structure and circulation of the Venus atmosphere. Journal of Geophysical Research, 1980, 85, 8007-8025.	3.3	181
3	Cloud morphology and motions from Pioneer Venus images. Journal of Geophysical Research, 1980, 85, 8107-8128.	3.3	159
4	Interior Structure of Neptune: Comparison with Uranus. Science, 1991, 253, 648-651.	6.0	157
5	Venus' Spectral Signatures and the Potential for Life in the Clouds. Astrobiology, 2018, 18, 1181-1198.	1.5	110
6	Morphology and dynamics of the upper cloud layer of Venus. Nature, 2007, 450, 633-636.	13.7	105
7	Morphology of the cloud tops as observed by the Venus Express Monitoring Camera. Icarus, 2012, 217, 682-701.	1.1	99
8	Implications of Titan's northâ€“south brightness asymmetry. Nature, 1981, 292, 698-702.	13.7	96
9	Venus atmospheric circulation: Known and unknown. Journal of Geophysical Research, 2007, 112, .	3.3	96
10	Future of Venus Research and Exploration. Space Science Reviews, 2018, 214, 1.	3.7	79
11	Cloud Motions on Venus: Global Structure and Organization. Journals of the Atmospheric Sciences, 1981, 38, 1220-1235.	0.6	66
12	Venus cloud top winds from tracking UV features in Venus Monitoring Camera images. Journal of Geophysical Research, 2009, 114, .	3.3	61
13	McIDAS III: A Modern Interactive Data Access and Analysis System. Journal of Climate and Applied Meteorology, 1983, 22, 766-778.	1.0	60
14	Atmospheric dynamics on Venus and Mars. Advances in Space Research, 1987, 7, 39-53.	1.2	56
15	Winds of Neptune: Voyager observations of cloud motions. Journal of Geophysical Research, 1991, 96, 18941-18960.	3.3	54
16	Neptune's Wind Speeds Obtained by Tracking Clouds in Voyager Images. Science, 1989, 245, 1367-1369.	6.0	51
17	Jovian Winds from Voyager 2. Part I: Zonal Mean Circulation. Journals of the Atmospheric Sciences, 1982, 39, 1413-1432.	0.6	49
18	Orbiter Cloud Photopolarimeter Investigation. Science, 1979, 203, 781-785.	6.0	47

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19	Venus Atmospheric Thermal Structure and Radiative Balance. Space Science Reviews, 2018, 214, 1.	3.7	47
20	Venus' Mass Spectra Show Signs of Disequilibria in the Middle Clouds. Geophysical Research Letters, 2021, 48, e2020GL091327.	1.5	44
21	Venus: Further Evidence of Vortex Circulation. Science, 1978, 201, 1009-1011.	6.0	41
22	How waves and turbulence maintain the super-rotation of Venusâ€™ atmosphere. Science, 2020, 368, 405-409.	6.0	41
23	Vortex circulation on Venus: Dynamical similarities with terrestrial hurricanes. Geophysical Research Letters, 2009, 36, .	1.5	38
24	Venus, an Astrobiology Target. Astrobiology, 2021, 21, 1163-1185.	1.5	38
25	Thermal structure of the Venusian atmosphere from the sub-cloud region to the mesosphere as observed by radio occultation. Scientific Reports, 2020, 10, 3448.	1.6	36
26	Imaging the surface of Mercury using ground-based telescopes. Planetary and Space Science, 2001, 49, 1501-1505.	0.9	35
27	Coordinated Hubble Space Telescope and Venus Express Observations of Venusâ€™ upper cloud deck. Icarus, 2015, 258, 309-336.	1.1	35
28	Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. Nature Geoscience, 2017, 10, 646-651.	5.4	35
29	Venus: Cloud level circulation during 1982 as determined from pioneer cloud photopolarimeter images. Icarus, 1988, 73, 193-211.	1.1	32
30	Venus: Cloud level circulation during 1982 as determined from Pioneer cloud photopolarimeter images. Icarus, 1988, 73, 212-226.	1.1	31
31	Venus looks different from day to night across wavelengths: morphology from Akatsuki multispectral images. Earth, Planets and Space, 2018, 70, 24.	0.9	31
32	Venus atmospheric circulation: Observations and implications of the thermal structure. Advances in Space Research, 1985, 5, 51-62.	1.2	30
33	Long-term Variations of Venusâ€™s 365 nm Albedo Observed by Venus Express, Akatsuki, MESSENGER, and the Hubble Space Telescope. Astronomical Journal, 2019, 158, 126.	1.9	30
34	Zonal mean circulation at the cloud level on Venus: Spring and fall 1979 OCPP observations. Icarus, 1982, 51, 416-439.	1.1	28
35	To the depths of Venus: Exploring the deep atmosphere and surface of our sister world with Venus Express. Planetary and Space Science, 2006, 54, 1263-1278.	0.9	26
36	Cloud Images from the Pioneer Venus Orbiter. Science, 1979, 205, 74-76.	6.0	24

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37	Satellite Observations of Smoke from Oil Fires in Kuwait. Science, 1991, 252, 1536-1539.	6.0	24
38	EnVision: taking the pulse of our twin planet. Experimental Astronomy, 2012, 33, 337-363.	1.6	23
39	Models of Venus Atmosphere. , 2013, , 129-156.		23
40	Venus atmosphere dynamics: A continuing enigma. Geophysical Monograph Series, 2007, , 101-120.	0.1	22
41	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.	3.0	21
42	Potential for Phototrophy in Venus' Clouds. Astrobiology, 2021, 21, 1237-1249.	1.5	21
43	Jovian Winds from Voyager 2. Part II: Analysis of Eddy Transports. Journals of the Atmospheric Sciences, 1982, 39, 1433-1445.	0.6	20
44	Morphology and movements of polarizations features on Venus as seen in the pioneer Orbiter Cloud Photopolarimeter data. Icarus, 1984, 57, 362-385.	1.1	20
45	The 2010 European Venus Explorer (EVE) mission proposal. Experimental Astronomy, 2012, 33, 305-335.	1.6	20
46	A Normalized View of Venus. Journals of the Atmospheric Sciences, 1977, 34, 205-215.	0.6	17
47	High Winds of Neptune: A Possible Mechanism. Science, 1991, 251, 929-932.	6.0	17
48	A Longâ€Lived Sharp Disruption on the Lower Clouds of Venus. Geophysical Research Letters, 2020, 47, e2020GL087221.	1.5	17
49	Rational approximation formula forÂChandrasekharâ€™s H-function forÂisotropic scattering. Astrophysics and Space Science, 2011, 332, 365-371.	0.5	16
50	Phosphorus in the Clouds of Venus: Potential for Bioavailability. Astrobiology, 2021, 21, 1250-1263.	1.5	16
51	Investigation of Venus Cloud Aerosol and Gas Composition Including Potential Biogenic Materials via an Aerosol-Sampling Instrument Package. Astrobiology, 2021, 21, 1316-1323.	1.5	14
52	Satellite monitoring of smoke from the Kuwait oil fires. Journal of Geophysical Research, 1992, 97, 14551-14563.	3.3	11
53	On Venus' cloud top chemistry, convective activity and topography: A perspective from HST. Icarus, 2020, 335, 113372.	1.1	11
54	Idiopathic Transient Osteoporosis of the Talus: A Cause for Unexplained Foot and Ankle Pain. Journal of Foot and Ankle Surgery, 2012, 51, 632-635.	0.5	8

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55	In situ biochemical characterization of Venus cloud particles using a life-signature detection microscope. Canadian Journal of Microbiology, 2022, , 1-13.	0.8	7
56	Monitoring Venus and communications relay from Lagrange Points. Planetary and Space Science, 2019, 179, 104710.	0.9	6
57	Atmospheric Circulation and Dynamics. , 2013, , 55-70.		4
58	Venus atmospheric circulation: Known and unknown. Advances in Space Research, 1990, 10, 91-101.	1.2	3
59	Focal lengths of Venus Monitoring Camera from limb locations. Planetary and Space Science, 2015, 113-114, 169-183.	0.9	3
60	Introducing the Venus Collectionâ€"Papers from the First Workshop on Habitability of the Cloud Layer. Astrobiology, 2021, 21, 1157-1162.	1.5	3
61	Introduction to advances in Venus science special issue. Icarus, 2012, 217, 433.	1.1	1
62	Aerodynamic analysis of BlimPlane- A conceptual hybrid UAV for Venus. , 2014, , .		1
63	Flight analysis of a Venus atmospheric mobile platform. , 2014, , .		0
64	Mercury and Venus: Significant Results from MESSENGER and Venus Express Missions. , 2015, , 29-56.		0