

Sanjay Limaye

List of Publications by Year in descending order

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64
papers

2,722
citations

147801

31
h-index

182427

51
g-index

71
all docs

71
docs citations

71
times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Jupiter: New estimates of the mean zonal flow at the cloud level. <i>Icarus</i> , 1986, 65, 335-352.	2.5	216
2	Structure and circulation of the Venus atmosphere. <i>Journal of Geophysical Research</i> , 1980, 85, 8007-8025.	3.3	181
3	Cloud morphology and motions from Pioneer Venus images. <i>Journal of Geophysical Research</i> , 1980, 85, 8107-8128.	3.3	159
4	Interior Structure of Neptune: Comparison with Uranus. <i>Science</i> , 1991, 253, 648-651.	12.6	157
5	Venus' Spectral Signatures and the Potential for Life in the Clouds. <i>Astrobiology</i> , 2018, 18, 1181-1198.	3.0	110
6	Morphology and dynamics of the upper cloud layer of Venus. <i>Nature</i> , 2007, 450, 633-636.	27.8	105
7	Morphology of the cloud tops as observed by the Venus Express Monitoring Camera. <i>Icarus</i> , 2012, 217, 682-701.	2.5	99
8	Implications of Titan's north-south brightness asymmetry. <i>Nature</i> , 1981, 292, 698-702.	27.8	96
9	Venus atmospheric circulation: Known and unknown. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	96
10	Future of Venus Research and Exploration. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	79
11	Cloud Motions on Venus: Global Structure and Organization. <i>Journals of the Atmospheric Sciences</i> , 1981, 38, 1220-1235.	1.7	66
12	Venus cloud top winds from tracking UV features in Venus Monitoring Camera images. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	61
13	McIDAS III: A Modern Interactive Data Access and Analysis System. <i>Journal of Climate and Applied Meteorology</i> , 1983, 22, 766-778.	1.0	60
14	Atmospheric dynamics on Venus and Mars. <i>Advances in Space Research</i> , 1987, 7, 39-53.	2.6	56
15	Winds of Neptune: Voyager observations of cloud motions. <i>Journal of Geophysical Research</i> , 1991, 96, 18941-18960.	3.3	54
16	Neptune's Wind Speeds Obtained by Tracking Clouds in Voyager Images. <i>Science</i> , 1989, 245, 1367-1369.	12.6	51
17	Jovian Winds from Voyager 2. Part I: Zonal Mean Circulation. <i>Journals of the Atmospheric Sciences</i> , 1982, 39, 1413-1432.	1.7	49
18	Orbiter Cloud Photopolarimeter Investigation. <i>Science</i> , 1979, 203, 781-785.	12.6	47

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19	Venus Atmospheric Thermal Structure and Radiative Balance. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	47
20	Venus' Mass Spectra Show Signs of Disequilibria in the Middle Clouds. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091327.	4.0	44
21	Venus: Further Evidence of Vortex Circulation. <i>Science</i> , 1978, 201, 1009-1011.	12.6	41
22	How waves and turbulence maintain the super-rotation of Venus's atmosphere. <i>Science</i> , 2020, 368, 405-409.	12.6	41
23	Vortex circulation on Venus: Dynamical similarities with terrestrial hurricanes. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	38
24	Venus, an Astrobiology Target. <i>Astrobiology</i> , 2021, 21, 1163-1185.	3.0	38
25	Thermal structure of the Venusian atmosphere from the sub-cloud region to the mesosphere as observed by radio occultation. <i>Scientific Reports</i> , 2020, 10, 3448.	3.3	36
26	Imaging the surface of Mercury using ground-based telescopes. <i>Planetary and Space Science</i> , 2001, 49, 1501-1505.	1.7	35
27	Coordinated Hubble Space Telescope and Venus Express Observations of Venus's upper cloud deck. <i>Icarus</i> , 2015, 258, 309-336.	2.5	35
28	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
29	Venus: Cloud level circulation during 1982 as determined from pioneer cloud photopolarimeter images. <i>Icarus</i> , 1988, 73, 193-211.	2.5	32
30	Venus: Cloud level circulation during 1982 as determined from Pioneer cloud photopolarimeter images. <i>Icarus</i> , 1988, 73, 212-226.	2.5	31
31	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
32	Venus atmospheric circulation: Observations and implications of the thermal structure. <i>Advances in Space Research</i> , 1985, 5, 51-62.	2.6	30
33	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
34	Zonal mean circulation at the cloud level on Venus: Spring and fall 1979 OCPP observations. <i>Icarus</i> , 1982, 51, 416-439.	2.5	28
35	To the depths of Venus: Exploring the deep atmosphere and surface of our sister world with Venus Express. <i>Planetary and Space Science</i> , 2006, 54, 1263-1278.	1.7	26
36	Cloud Images from the Pioneer Venus Orbiter. <i>Science</i> , 1979, 205, 74-76.	12.6	24

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37	Satellite Observations of Smoke from Oil Fires in Kuwait. <i>Science</i> , 1991, 252, 1536-1539.	12.6	24
38	EnVision: taking the pulse of our twin planet. <i>Experimental Astronomy</i> , 2012, 33, 337-363.	3.7	23
39	Models of Venus Atmosphere. , 2013, , 129-156.		23
40	Venus atmosphere dynamics: A continuing enigma. <i>Geophysical Monograph Series</i> , 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. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 29.	7.7	21
42	Potential for Phototrophy in Venus' Clouds. <i>Astrobiology</i> , 2021, 21, 1237-1249.	3.0	21
43	Jovian Winds from Voyager 2. Part II: Analysis of Eddy Transports. <i>Journals of the Atmospheric Sciences</i> , 1982, 39, 1433-1445.	1.7	20
44	Morphology and movements of polarizations features on Venus as seen in the pioneer Orbiter Cloud Photopolarimeter data. <i>Icarus</i> , 1984, 57, 362-385.	2.5	20
45	The 2010 European Venus Explorer (EVE) mission proposal. <i>Experimental Astronomy</i> , 2012, 33, 305-335.	3.7	20
46	A Normalized View of Venus. <i>Journals of the Atmospheric Sciences</i> , 1977, 34, 205-215.	1.7	17
47	High Winds of Neptune: A Possible Mechanism. <i>Science</i> , 1991, 251, 929-932.	12.6	17
48	A Long-lived Sharp Disruption on the Lower Clouds of Venus. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087221.	4.0	17
49	Rational approximation formula for Chandrasekhar's H-function for isotropic scattering. <i>Astrophysics and Space Science</i> , 2011, 332, 365-371.	1.4	16
50	Phosphorus in the Clouds of Venus: Potential for Bioavailability. <i>Astrobiology</i> , 2021, 21, 1250-1263.	3.0	16
51	Investigation of Venus Cloud Aerosol and Gas Composition Including Potential Biogenic Materials via an Aerosol-Sampling Instrument Package. <i>Astrobiology</i> , 2021, 21, 1316-1323.	3.0	14
52	Satellite monitoring of smoke from the Kuwait oil fires. <i>Journal of Geophysical Research</i> , 1992, 97, 14551-14563.	3.3	11
53	On Venus' cloud top chemistry, convective activity and topography: A perspective from HST. <i>Icarus</i> , 2020, 335, 113372.	2.5	11
54	Idiopathic Transient Osteoporosis of the Talus: A Cause for Unexplained Foot and Ankle Pain. <i>Journal of Foot and Ankle Surgery</i> , 2012, 51, 632-635.	1.0	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.	1.7	7
56	Monitoring Venus and communications relay from Lagrange Points. Planetary and Space Science, 2019, 179, 104710.	1.7	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.	2.6	3
59	Focal lengths of Venus Monitoring Camera from limb locations. Planetary and Space Science, 2015, 113-114, 169-183.	1.7	3
60	Introducing the Venus Collectionâ€™Papers from the First Workshop on Habitability of the Cloud Layer. Astrobiology, 2021, 21, 1157-1162.	3.0	3
61	Introduction to advances in Venus science special issue. Icarus, 2012, 217, 433.	2.5	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