

Xun Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1884175/publications.pdf>

Version: 2024-02-01

48
papers

1,173
citations

471509

17
h-index

395702

33
g-index

48
all docs

48
docs citations

48
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal Variations of Solar-Induced Fluorescence, Precipitation, and Carbon Dioxide Over the Amazon. <i>Earth and Space Science</i> , 2022, 9, .	2.6	8
2	Mars TM emitted energy and seasonal energy imbalance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121084119.	7.1	2
3	Impact of Amazonian Fires on Atmospheric CO ₂ . <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091875.	4.0	11
4	Titan's Global Radiant Energy Budget During the Cassini Epoch (2004-2017). <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095356.	4.0	3
5	Effect of the Quasi-Biennial Oscillation on Carbon Monoxide in the Stratosphere. <i>Earth and Space Science</i> , 2019, 6, 1273-1283.	2.6	1
6	Seasonal Variations of Titan's Brightness. <i>Geophysical Research Letters</i> , 2019, 46, 13649-13657.	4.0	4
7	Global Patterns of Carbon Dioxide Variability from Satellite Observations. <i>Annual Review of Earth and Planetary Sciences</i> , 2019, 47, 225-245.	11.0	10
8	A Comparative Study of Atmospheric Moisture Recycling Rate between Observations and Models. <i>Journal of Climate</i> , 2018, 31, 2389-2398.	3.2	6
9	Distribution of CO ₂ in Western Pacific, Studied Using Isotope Data Made in Taiwan, OCO ₂ Satellite Retrievals, and CarbonTracker Products. <i>Earth and Space Science</i> , 2018, 5, 827-842.	2.6	8
10	Less absorbed solar energy and more internal heat for Jupiter. <i>Nature Communications</i> , 2018, 9, 3709.	12.8	50
11	Saturn's Global Zonal Winds Explored by Cassini/VIMS 5-14m Images. <i>Geophysical Research Letters</i> , 2018, 45, 6823-6831.	4.0	11
12	Earth's changing global atmospheric energy cycle in response to climate change. <i>Nature Communications</i> , 2017, 8, 14367.	12.8	30
13	Modulation of midtropospheric methane by El Niño. <i>Earth and Space Science</i> , 2017, 4, 590-596.	2.6	4
14	Precipitation, circulation, and cloud variability over the past two decades. <i>Earth and Space Science</i> , 2017, 4, 597-606.	2.6	7
15	Influence of Droughts on Mid-Tropospheric CO ₂ . <i>Remote Sensing</i> , 2017, 9, 852.	4.0	5
16	Temporal and Spatial Variability of Precipitation from Observations and Models*. <i>Journal of Climate</i> , 2016, 29, 2543-2555.	3.2	6
17	Vortices in Saturn's Northern Hemisphere (2008-2015) observed by Cassini ISS. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1814-1826.	3.6	9
18	CO ₂ annual and semiannual cycles from multiple satellite retrievals and models. <i>Earth and Space Science</i> , 2016, 3, 78-87.	2.6	25

#	ARTICLE	IF	CITATIONS
19	Toward consistency between trends in bottom-up CO ₂ emissions and top-down atmospheric measurements in the Los Angeles megacity. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3843-3863.	4.9	72
20	Multimodel evaluation of cloud phase transition using satellite and reanalysis data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7871-7892.	3.3	100
21	Investigation of Precipitation Variations over Wet and Dry Areas from Observation and Model. <i>Advances in Meteorology</i> , 2015, 2015, 1-9.	1.6	7
22	Saturn's giant storm and global radiant energy. <i>Geophysical Research Letters</i> , 2015, 42, 2144-2148.	4.0	12
23	Modulation of Midtropospheric CO ₂ by the South Atlantic Walker Circulation*. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 2241-2247.	1.7	8
24	The global vortex analysis of Jupiter and Saturn based on Cassini Imaging Science Subsystem. <i>Icarus</i> , 2014, 242, 122-129.	2.5	13
25	Global variability of midtropospheric carbon dioxide as measured by the Atmospheric Infrared Sounder. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 1.	1.3	151
26	Influence of El Niño on Midtropospheric CO ₂ from Atmospheric Infrared Sounder and Model. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 223-230.	1.7	16
27	Influence of Stratospheric Sudden Warming on AIRS Midtropospheric CO ₂ . <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2566-2573.	1.7	16
28	CO ₂ semiannual oscillation in the middle troposphere and at the surface. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	21
29	The influence of tropospheric biennial oscillation on mid-tropospheric CO ₂ . <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	15
30	The global energy balance of Titan. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	17
31	Monthly representations of mid-tropospheric carbon dioxide from the atmospheric infrared sounder. , 2011, , .		2
32	The recycling rate of atmospheric moisture over the past two decades (1988–2009). <i>Environmental Research Letters</i> , 2011, 6, 034018.	5.2	19
33	Equatorial winds on Saturn and the stratospheric oscillation. <i>Nature Geoscience</i> , 2011, 4, 750-752.	12.9	16
34	El Niño–Southern Oscillation in Tropical and Midlatitude Column Ozone. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 1911-1921.	1.7	14
35	The Mechanical Energies of the Global Atmosphere in El Niño and La Niña Years. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 3072-3078.	1.7	8
36	Interannual variability of mid-tropospheric CO ₂ from Atmospheric Infrared Sounder. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	52

#	ARTICLE	IF	CITATIONS
37	Modulation of the Period of the Quasi-Biennial Oscillation by the Solar Cycle. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 2418-2428.	1.7	7
38	Nonstationary Synchronization of Equatorial QBO with SAO in Observations and a Model. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 1654-1664.	1.7	19
39	Simulation of upper tropospheric CO ₂ from chemistry and transport models. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	18
40	Satellite remote sounding of mid-tropospheric CO ₂ . <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	151
41	Interannual Variability and Trends of Extratropical Ozone. Part II: Southern Hemisphere. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 3030-3041.	1.7	20
42	Interannual Variability and Trends of Extratropical Ozone. Part I: Northern Hemisphere. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 3013-3029.	1.7	20
43	Influence of Doubled CO ₂ on Ozone via Changes in the Brewer-Dobson Circulation. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 2751-2755.	1.7	23
44	Lorenz energy cycle of the global atmosphere based on reanalysis datasets. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	54
45	Extratropical signature of the quasi-biennial oscillation. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	61
46	Spatial patterns and mechanisms of the quasi-biennial oscillation's annual beat of ozone. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	10
47	Quasi-biennial oscillation and quasi-biennial oscillation's annual beat in the tropical total column ozone: A two-dimensional model simulation. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	31
48	Earth Rotation and El Niño's Theory of Air-Sea Coupling. <i>Chinese Journal of Geophysics</i> , 2001, 44, 476-487.	0.2	0