

# Pu Lin

## List of Publications by Year in descending order

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36  
papers

1,843  
citations

304368

22  
h-index

344852

36  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Performance of GFDL's CM4.0 Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3691-3727.	1.3	242
2	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 2. Model Description, Sensitivity Studies, and Tuning Strategies. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 735-769.	1.3	185
3	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 1. Simulation Characteristics With Prescribed SSTs. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 691-734.	1.3	155
4	Simulated versus observed patterns of warming over the extratropical Northern Hemisphere continents during the cold season. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14337-14342.	3.3	134
5	Poleward Shift of Subtropical Jets Inferred from Satellite-Observed Lower-Stratospheric Temperatures. <i>Journal of Climate</i> , 2011, 24, 5597-5603.	1.2	94
6	The role of dynamically induced variability in the recent warming trend slowdown over the Northern Hemisphere. <i>Scientific Reports</i> , 2015, 5, 12669.	1.6	83
7	Dynamical Adjustment of the Northern Hemisphere Surface Air Temperature Field: Methodology and Application to Observations*. <i>Journal of Climate</i> , 2015, 28, 1613-1629.	1.2	77
8	Changes in various branches of the Brewer–Dobson circulation from an ensemble of chemistry climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 73-84.	1.2	75
9	Temperature Trend Patterns in Southern Hemisphere High Latitudes: Novel Indicators of Stratospheric Change. <i>Journal of Climate</i> , 2009, 22, 6325-6341.	1.2	65
10	On the seasonal dependence of tropical lower-stratospheric temperature trends. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2643-2653.	1.9	57
11	The GFDL Global Atmospheric Chemistry–Climate Model AM4.1: Model Description and Simulation Characteristics. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002032.	1.3	51
12	Role of radiatively forced temperature changes in enhanced semi-arid warming in the cold season over east Asia. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13777-13786.	1.9	50
13	Uncertainty in the Response of Sudden Stratospheric Warmings and Stratosphere–Troposphere Coupling to Quadrupled CO <sub>2</sub> Concentrations in CMIP6 Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032345.	1.2	50
14	Isotopic evidence of multiple controls on atmospheric oxidants over climate transitions. <i>Nature</i> , 2017, 546, 133-136.	13.7	49
15	Observational evidence of strengthening of the Brewer–Dobson circulation since 1980. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 10,214.	1.2	48
16	Changes of the Tropical Tropopause Layer under Global Warming. <i>Journal of Climate</i> , 2017, 30, 1245-1258.	1.2	42
17	Seasonal Prediction Skill of Northern Extratropical Surface Temperature Driven by the Stratosphere. <i>Journal of Climate</i> , 2017, 30, 4463-4475.	1.2	37
18	Impact of Tropical SST on Stratospheric Planetary Waves in the Southern Hemisphere. <i>Journal of Climate</i> , 2012, 25, 5030-5046.	1.2	36

#	ARTICLE	IF	CITATIONS
19	Mirrored changes in Antarctic ozone and stratospheric temperature in the late 20th versus early 21st centuries. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8940-8950.	1.2	35
20	How Well Do Large-scale Eddy Simulations and Global Climate Models Represent Observed Boundary Layer Structures and Low Clouds Over the Summertime Southern Ocean?. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002205.	1.3	26
21	The Brewer-Dobson circulation in CMIP6. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13571-13591.	1.9	25
22	Dependence of model-simulated response to ozone depletion on stratospheric polar vortex climatology. <i>Geophysical Research Letters</i> , 2017, 44, 6391-6398.	1.5	24
23	Observed changes in Brewer-Dobson circulation for 1980-2018. <i>Environmental Research Letters</i> , 2019, 14, 114026.	2.2	23
24	The Early Development of the 2015/16 Quasi-Biennial Oscillation Disruption. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 821-836.	0.6	23
25	Assessing the Influence of COVID-19 on the Shortwave Radiative Fluxes Over the East Asian Marginal Seas. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091699.	1.5	20
26	On the origin of the occasional spring nitrate peak in Greenland snow. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13361-13376.	1.9	18
27	Variability and trends in dynamical forcing of tropical lower stratospheric temperatures. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13439-13453.	1.9	17
28	The Brewer-Dobson Circulation During the Last Glacial Maximum. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086271.	1.5	17
29	The influence of dynamical variability on the observed Brewer-Dobson circulation trend. <i>Geophysical Research Letters</i> , 2017, 44, 2885-2892.	1.5	16
30	Tropical climate change control of the lower stratospheric circulation. <i>Geophysical Research Letters</i> , 2015, 42, 941-948.	1.5	15
31	The Leading Intraseasonal Variability Mode of Wintertime Surface Air Temperature over the North American Sector. <i>Journal of Climate</i> , 2020, 33, 9287-9306.	1.2	14
32	The Stratospheric Changes Inferred from 10 Years of AIRS and AMSU-A Radiances. <i>Journal of Climate</i> , 2017, 30, 6005-6016.	1.2	10
33	Evaluation of Cloud and Precipitation Simulations in CAM6 and AM4 Using Observations Over the Southern Ocean. <i>Earth and Space Science</i> , 2021, 8, e2020EA001241.	1.1	10
34	Enhanced Climate Response to Ozone Depletion From Ozone-Circulation Coupling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034286.	1.2	5
35	Baroclinic wave packets in an extended quasigeostrophic two-layer model. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	2
36	An Investigation Into Biases in Instantaneous Aerosol Radiative Effects Calculated by Shortwave Parameterizations in Two Earth System Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2019JD032323.	1.2	2