

# Peili Wu

## List of Publications by Year in descending order

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57  
papers

2,947  
citations

218677

26  
h-index

168389

53  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monsoon intra-seasonal variability in a high-resolution version of Met Office Global Coupled model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 69, 1354661.	1.7	8
2	A Moderate Mitigation Can Significantly Delay the Emergence of Compound Hot Extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	9
3	The Increasing Role of Vegetation Transpiration in Soil Moisture Loss across China under Global Warming. <i>Journal of Hydrometeorology</i> , 2022, 23, 253-274.	1.9	10
4	Potential shifts in climate zones under a future global warming scenario using soil moisture classification. <i>Climate Dynamics</i> , 2021, 56, 2071-2092.	3.8	23
5	Drivers of Summer Extreme Precipitation Events Over East China. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093670.	4.0	42
6	Amplified Waveguide Teleconnections Along the Polar Front Jet Favor Summer Temperature Extremes Over Northern Eurasia. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093735.	4.0	16
7	Enhanced Turbulent Heat Fluxes Improve Meiyuâ€Baiu Simulation in Highâ€Resolution Atmospheric Models. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002430.	3.8	3
8	The Anomalous Mei-yu Rainfall of Summer 2020 from a Circulation Clustering Perspective: Current and Possible Future Prevalence. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 2010-2022.	4.3	8
9	Increasing precipitation variability on daily-to-multiyear time scales in a warmer world. <i>Science Advances</i> , 2021, 7, .	10.3	111
10	Unprecedented recent late-summer warm extremes recorded in tree-ring density on the Tibetan Plateau. <i>Environmental Research Letters</i> , 2020, 15, 024006.	5.2	2
11	Skillful Decadal Prediction of Droughts Over Largeâ€Scale River Basins Across the Globe. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089738.	4.0	4
12	Emergent constraints on future projections of the western North Pacific Subtropical High. <i>Nature Communications</i> , 2020, 11, 2802.	12.8	65
13	Roles of Tibetan Plateau vortices in the heavy rainfall over southwestern China in early July 2018. <i>Atmospheric Research</i> , 2020, 245, 105059.	4.1	17
14	A comprehensive evaluation of soil moisture and soil temperature from thirdâ€generation atmospheric and land reanalysis data sets. <i>International Journal of Climatology</i> , 2020, 40, 5744-5766.	3.5	104
15	Evaluation of NCEPâ€FNL and ERAâ€Interim Data Sets in Detecting Tibetan Plateau Vortices in Mayâ€August of 2000â€2015. <i>Earth and Space Science</i> , 2020, 7, e2019EA000907.	2.6	14
16	The impact of horizontal atmospheric resolution in modelling airâ€sea heat fluxes. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 3271-3283.	2.7	7
17	Anthropogenic shift towards higher risk of flash drought over China. <i>Nature Communications</i> , 2019, 10, 4661.	12.8	236
18	Detection of human influences on temperature seasonality from the nineteenth century. <i>Nature Sustainability</i> , 2019, 2, 484-490.	23.7	27

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19	Interdecadal Seesaw of Precipitation Variability between North China and the Southwest United States. <i>Journal of Climate</i> , 2019, 32, 2951-2968.	3.2	24
20	Better monsoon precipitation in coupled climate models due to bias compensation. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	26
21	Assessing Global Warming Induced Changes in Summer Rainfall Variability over Eastern China Using the Latest Hadley Centre Climate Model HadGEM3-GC2. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1077-1093.	4.3	1
22	Potential Underestimation of Future Mei-Yu Rainfall with Coarse-Resolution Climate Models. <i>Journal of Climate</i> , 2018, 31, 6711-6727.	3.2	16
23	Effect of Horizontal Resolution on the Representation of the Global Monsoon Annual Cycle in AGCMs. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1003-1020.	4.3	11
24	High-resolution simulation of the boreal summer intraseasonal oscillation in Met Office Unified Model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 362-373.	2.7	12
25	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. <i>Journal of Climate</i> , 2017, 30, 1381-1396.	3.2	80
26	Decadal Modulation of Precipitation Patterns over Eastern China by Sea Surface Temperature Anomalies. <i>Journal of Climate</i> , 2017, 30, 7017-7033.	3.2	103
27	An evaluation of boreal summer intra-seasonal oscillation simulated by BCC_AGCM2.2. <i>Climate Dynamics</i> , 2017, 48, 3409-3423.	3.8	8
28	Aerosol forcing of extreme summer drought over North China. <i>Environmental Research Letters</i> , 2017, 12, 034020.	5.2	36
29	Robust increase in extreme summer rainfall intensity during the past four decades observed in China. <i>Scientific Reports</i> , 2016, 6, 38506.	3.3	86
30	Added value of high resolution models in simulating global precipitation characteristics. <i>Atmospheric Science Letters</i> , 2016, 17, 646-657.	1.9	32
31	Increasing flash droughts over China during the recent global warming hiatus. <i>Scientific Reports</i> , 2016, 6, 30571.	3.3	179
32	Skillful seasonal prediction of Yangtze river valley summer rainfall. <i>Environmental Research Letters</i> , 2016, 11, 094002.	5.2	61
33	The reversibility of CO2 induced climate change. <i>Climate Dynamics</i> , 2015, 45, 745-754.	3.8	39
34	Multidecadal variability in local growing season during 1901–2009. <i>Climate Dynamics</i> , 2013, 41, 295-305.	3.8	23
35	Anthropogenic impact on Earth's hydrological cycle. <i>Nature Climate Change</i> , 2013, 3, 807-810.	18.8	249
36	Asymmetries in tropical rainfall and circulation patterns in idealised CO2 removal experiments. <i>Climate Dynamics</i> , 2013, 40, 295-316.	3.8	58

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37	Enhanced poleward moisture transport and amplified northern high-latitude wetting trend. <i>Nature Climate Change</i> , 2013, 3, 47-51.	18.8	262
38	A step-response approach for predicting and understanding non-linear precipitation changes. <i>Climate Dynamics</i> , 2012, 39, 2789-2803.	3.8	39
39	Extended warming of the northern high latitudes due to an overshoot of the Atlantic meridional overturning circulation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	25
40	Temporary acceleration of the hydrological cycle in response to a CO <sub>2</sub> rampdown. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	81
41	Convection induced long term freshening of the subpolar North Atlantic Ocean. <i>Climate Dynamics</i> , 2008, 31, 941-956.	3.8	9
42	Large-Scale Atlantic Salinity Changes over the Last Half-Century: A Model–Observation Comparison. <i>Journal of Climate</i> , 2008, 21, 1698-1720.	3.2	18
43	Relations between Northward Ocean and Atmosphere Energy Transports in a Coupled Climate Model. <i>Journal of Climate</i> , 2008, 21, 561-575.	3.2	44
44	Simulating the Terms in the Arctic Hydrological Budget. , 2008, , 363-384.		7
45	Deep North Atlantic freshening simulated in a coupled climate model. <i>Progress in Oceanography</i> , 2007, 73, 370-383.	3.2	6
46	Human influence on increasing Arctic river discharges. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	125
47	Does the recent freshening trend in the North Atlantic indicate a weakening thermohaline circulation?. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	29
48	Low-Latitude Freshwater Influence on Centennial Variability of the Atlantic Thermohaline Circulation. <i>Journal of Climate</i> , 2004, 17, 4498-4511.	3.2	224
49	Gulf Stream forcing of the winter North Atlantic oscillation. <i>Atmospheric Science Letters</i> , 2003, 5, 57-64.	1.9	10
50	Oceanic Influence on North Atlantic Climate Variability. <i>Journal of Climate</i> , 2002, 15, 1911-1925.	3.2	31
51	Toward an Understanding of Deep-Water Renewal in the Eastern Mediterranean. <i>Journal of Physical Oceanography</i> , 2000, 30, 443-458.	1.7	73
52	GCM studies of intermediate and deep waters in the Mediterranean. <i>Journal of Marine Systems</i> , 1998, 18, 197-214.	2.1	11
53	The general circulation of the Mediterranean Sea from a 100-year simulation. <i>Journal of Geophysical Research</i> , 1998, 103, 1121-1135.	3.3	47
54	Modeling the dispersal of Levantine Intermediate Water and its role in Mediterranean deep water formation. <i>Journal of Geophysical Research</i> , 1996, 101, 6591-6607.	3.3	112

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55	Nonlinear structures with multivalued $(q, \bar{\psi})$ relationships—exact solutions of the barotropic vorticity equation on a sphere. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1993, 69, 77-94.	1.2	13
56	Nonlinear Resonance and Instability of Planetary Waves and Low-Frequency Variability in the Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 1993, 50, 3590-3607.	1.7	17
57	An observational study of the 30–50 day atmospheric oscillations part I: Structure and propagation. <i>Advances in Atmospheric Sciences</i> , 1990, 7, 294-304.	4.3	14