Pengfei Wang

List of Publications by Year
in descending order

23 papers	558 citations	933447 10 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	892 citing authors

#	Article	IF	Citations
1	Dominant modes of interannual variability in precipitation over the Hengduan Mountains during rainy seasons. International Journal of Climatology, 2021, 41, 2795-2809.	3.5	7
2	Responses of global monsoon and seasonal cycle of precipitation to precession and obliquity forcing. Climate Dynamics, 2021, 56, 3733-3747.	3.8	7
3	The GPU version of LASG/IAP Climate System Ocean Model versionÂ3 (LICOM3) under the heterogeneous-compute interface for portability (HIP) framework and its large-scale application. Geoscientific Model Development, 2021, 14, 2781-2799.	3.6	15
4	How can CMIP5 AGCMsâ€™ resolution influence precipitation in mountain areas: the Hengduan Mountains?. Climate Dynamics, 2020, 54, 159-172.	3.8	11
5	Eddy-resolving Simulation of CAS-LICOM3 for Phase 2 of the Ocean Model Intercomparison Project. Advances in Atmospheric Sciences, 2020, 37, 1067-1080.	4.3	27
6	Dominant modes of CMIP3/5 models simulating northwest Pacific circulation anomalies during post-ENSO summer and their SST dependence. Theoretical and Applied Climatology, 2019, 138, 1809-1820.	2.8	5
7	An Improved ENSO Ensemble Forecasting Strategy Based on Multiple Coupled Model Initialization Parameters. Journal of Advances in Modeling Earth Systems, 2019, 11, 2868-2878.	3.8	3
8	Interdecadal Variation of Precipitation over the Hengduan Mountains during Rainy Seasons. Journal of Climate, 2019, 32, 3743-3760.	3.2	12
9	The dependence on atmospheric resolution of ENSO and related East Asian-western North Pacific summer climate variability in a coupled model. Theoretical and Applied Climatology, 2018, 133, 1207-1217.	2.8	5
10	The reliable solution and computation time of variable parameters logistic model. Theoretical and Applied Climatology, 2018, 132, 851-855.	2.8	0
11	The multidecadal variations of the interannual relationship between the East Asian summer monsoon and ENSO in a coupled model. Climate Dynamics, 2018, 51, 1671-1686.	3.8	21
12	Origins of Biases in CMIP5 Models Simulating Northwest Pacific Summertime Atmospheric Circulation Anomalies during the Decaying Phase of ENSO. Journal of Climate, 2018, 31, 5707-5729.	3.2	13
13	Distinct global warming rates tied to multiple ocean surface temperature changes. Nature Climate Change, 2017, 7, 486-491.	18.8	76
14	Asymmetry in summertime atmospheric circulation anomalies over the northwest Pacific during decaying phase of El NiÃ±o and La NiÃ±a. Climate Dynamics, 2017, 49, 2007-2023.	3.8	31
15	A high-order spatiotemporal precision-matching Taylorâ€"Li scheme for time-dependent problems. Advances in Atmospheric Sciences, 2017, 34, 1461-1471.	4.3	2
16	Forward Period Analysis Method of the Periodic Hamiltonian System. PLoS ONE, 2016, 11, e0163303.	2.5	2
17	Study on the reliable computation time of the numerical model using the sliding temporal correlation method. Theoretical and Applied Climatology, 2015, 119, 539-550.	2.8	3
18	Clean numerical simulation for some chaotic systems using the parallel multiple-precision Taylor scheme. Science Bulletin, 2014, 59, 4465-4472.	1.7	5

#	Article	IF	Citations
19	On the mathematically reliable long-term simulation of chaotic solutions of Lorenz equation in the interval [0,10000]. Science China: Physics, Mechanics and Astronomy, 2014, 57, 330-335.	5.1	50
20	An Introduction to the Integrated Climate Model of the Center for Monsoon System Research and its simulated influence of El NiÃ±o on East Asian-western North Pacific climate. Advances in Atmospheric Sciences, 2014, 31, 1136-1146.	4.3	15
21	The Flexible Global Ocean-Atmosphere-Land system model, Spectral Version 2: FGOALS-s2. Advances in Atmospheric Sciences, 2013, 30, 561-576.	4.3	210
22	Computational uncertainty and the application of a high-performance multiple precision scheme to obtaining the correct reference solution of Lorenz equations. Numerical Algorithms, 2012, 59, 147-159.	1.9	30
23	Analysis and application of multiple-precision computation and round-off error for nonlinear dynamical systems. Advances in Atmospheric Sciences, 2006, 23, 758-766.	4.3	8