# Pengfei Wang

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | The Flexible Global Ocean-Atmosphere-Land system model, Spectral Version 2: FGOALS-s2. Advances in Atmospheric Sciences, 2013, 30, 561-576. | 4.3 | 210 |
| 2 | Distinct global warming rates tied to multiple ocean surface temperature changes. Nature Climate Change, 2017, 7, 486-491. | 18.8 | 76 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Interdecadal Variation of Precipitation over the Hengduan Mountains during Rainy Seasons. Journal of Climate, 2019, 32, 3743-3760. | 3.2 | 12 |
| 12 | How can CMIP5 AGCMsâ€™ resolution influence precipitation in mountain areas: the Hengduan Mountains?. Climate Dynamics, 2020, 54, 159-172. | 3.8 | 11 |
| 13 | 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 |
| 14 | 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 |
| 15 | Responses of global monsoon and seasonal cycle of precipitation to precession and obliquity forcing. Climate Dynamics, 2021, 56, 3733-3747. | 3.8 | 7 |
| 16 | Clean numerical simulation for some chaotic systems using the parallel multiple-precision Taylor scheme. Science Bulletin, 2014, 59, 4465-4472. | 1.7 | 5 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | A high-order spatiotemporal precision-matching Taylor–Li scheme for time-dependent problems. Advances in Atmospheric Sciences, 2017, 34, 1461-1471. | 4.3 | 2 |
| 22 | Forward Period Analysis Method of the Periodic Hamiltonian System. PLoS ONE, 2016, 11, e0163303. | 2.5 | 2 |
| 23 | The reliable solution and computation time of variable parameters logistic model. Theoretical and Applied Climatology, 2018, 132, 851-855. | 2.8 | 0 |