

# Guocan Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

227  
citations

1307594

7  
h-index

1058476

14  
g-index

25  
all docs

25  
docs citations

25  
times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the precipitation-temperature relationship in China during 1961-2018. <i>International Journal of Climatology</i> , 2022, 42, 2656-2669.	3.5	6
2	Proportion and Distribution of Rain and Snow in China from 1960 to 2018. <i>Journal of Hydrometeorology</i> , 2022, 23, 225-238.	1.9	3
3	Validation of Precipitation Events in ERA5 to Gauge Observations during Warm Seasons over Eastern China. <i>Journal of Hydrometeorology</i> , 2022, 23, 807-822.	1.9	3
4	Observation-Based Evaluation of Local Climate Effect of Terrestrial Vegetation in Temperate Zones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	1
5	Temperature annual cycle variations and responses to surface solar radiation in China between 1960 and 2016. <i>International Journal of Climatology</i> , 2021, 41, E2959.	3.5	11
6	Previous Atlantic Multidecadal Oscillation (AMO) modulates the lightning-ignited fire regime in the boreal forest of Northeast China. <i>Environmental Research Letters</i> , 2021, 16, 024054.	5.2	6
7	Seasonal precipitation variability in mainland China based on entropy theory. <i>International Journal of Climatology</i> , 2021, 41, 5264-5276.	3.5	6
8	Observed response of precipitation intensity to dew point temperature over the contiguous US. <i>Theoretical and Applied Climatology</i> , 2021, 144, 1349-1362.	2.8	5
9	Asymmetrical Lightning Fire Season Expansion in the Boreal Forest of Northeast China. <i>Forests</i> , 2021, 12, 1023.	2.1	3
10	The unevenness in observed daily precipitation in mainland China. <i>Theoretical and Applied Climatology</i> , 2021, 146, 1031-1041.	2.8	3
11	Precipitation unevenness in gauge observations and eight reanalyses from 1979 to 2018 over China. <i>Journal of Climate</i> , 2021, , 1-44.	3.2	1
12	Variability of hourly precipitation during the warm season over eastern China using gauge observations and ERA5. <i>Atmospheric Research</i> , 2021, 264, 105872.	4.1	15
13	Performance of TRMM Product in Quantifying Frequency and Intensity of Precipitation during Daytime and Nighttime across China. <i>Remote Sensing</i> , 2020, 12, 740.	4.0	21
14	The hourly precipitation intensity and frequency in the Yarlung Zangbo river basin in China during last decade. <i>Meteorology and Atmospheric Physics</i> , 2020, 132, 899-907.	2.0	4
15	Assimilating shallow soil moisture observations into land models with a water budget constraint. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5187-5201.	4.9	3
16	Significantly lower summer minimum temperature warming trend on the southern Tibetan Plateau than over the Eurasian continent since the Industrial Revolution. <i>Environmental Research Letters</i> , 2019, 14, 124033.	5.2	8
17	A New Estimation Method of Ensemble Forecast Error in ETKF Assimilation with Nonlinear Observation Operator. <i>Scientific Online Letters on the Atmosphere</i> , 2017, 13, 63-68.	1.4	1
18	An estimate of the inflation factor and analysis sensitivity in the ensemble Kalman filter. <i>Nonlinear Processes in Geophysics</i> , 2017, 24, 329-341.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Soil Moisture Assimilation Using a Modified Ensemble Transform Kalman Filter Based on Station Observations in the Hai River Basin. <i>Advances in Meteorology</i> , 2016, 2016, 1-12.	1.6	4
20	Mapping near-surface air temperature, pressure, relative humidity and wind speed over Mainland China with high spatiotemporal resolution. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1127-1135.	4.3	42
21	Using analysis state to construct a forecast error covariance matrix in ensemble Kalman filter assimilation. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 1303-1312.	4.3	8
22	A new structure for error covariance matrices and their adaptive estimation in EnKF assimilation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013, 139, 795-804.	2.7	21
23	Maximum likelihood estimation of inflation factors on error covariance matrices for ensemble Kalman filter assimilation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 263-273.	2.7	45
24	The Error Covariance Matrix Inflation in Ensemble Kalman Filter. , 0, , .		3
25	Variations in the probability distribution function of air temperature anomalies in winter and summer from 1961 to 2016 over China. <i>International Journal of Climatology</i> , 0, , .	3.5	3