

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	Maximum likelihood estimation of inflation factors on error covariance matrices for ensemble Kalman filter assimilation. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 263-273.	2.7	45
2	Mapping near-surface air temperature, pressure, relative humidity and wind speed over Mainland China with high spatiotemporal resolution. Advances in Atmospheric Sciences, 2014, 31, 1127-1135.	4.3	42
3	A new structure for error covariance matrices and their adaptive estimation in EnKF assimilation. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 795-804.	2.7	21
4	Performance of TRMM Product in Quantifying Frequency and Intensity of Precipitation during Daytime and Nighttime across China. Remote Sensing, 2020, 12, 740.	4.0	21
5	Variability of hourly precipitation during the warm season over eastern China using gauge observations and ERA5. Atmospheric Research, 2021, 264, 105872.	4.1	15
6	Temperature annual cycle variations and responses to surface solar radiation in China between 1960 and 2016. International Journal of Climatology, 2021, 41, E2959.	3.5	11
7	Using analysis state to construct a forecast error covariance matrix in ensemble Kalman filter assimilation. Advances in Atmospheric Sciences, 2013, 30, 1303-1312.	4.3	8
8	Significantly lower summer minimum temperature warming trend on the southern Tibetan Plateau than over the Eurasian continent since the Industrial Revolution. Environmental Research Letters, 2019, 14, 124033.	5.2	8
9	Previous Atlantic Multidecadal Oscillation (AMO) modulates the lightning-ignited fire regime in the boreal forest of Northeast China. Environmental Research Letters, 2021, 16, 024054.	5.2	6
10	Seasonal precipitation variability in mainland China based on entropy theory. International Journal of Climatology, 2021, 41, 5264-5276.	3.5	6
11	Quantifying the precipitation-temperature relationship in China during 1961-2018. International Journal of Climatology, 2022, 42, 2656-2669.	3.5	6
12	Observed response of precipitation intensity to dew point temperature over the contiguous US. Theoretical and Applied Climatology, 2021, 144, 1349-1362.	2.8	5
13	Soil Moisture Assimilation Using a Modified Ensemble Transform Kalman Filter Based on Station Observations in the Hai River Basin. Advances in Meteorology, 2016, 2016, 1-12.	1.6	4
14	The hourly precipitation intensity and frequency in the Yarlung Zangbo river basin in China during last decade. Meteorology and Atmospheric Physics, 2020, 132, 899-907.	2.0	4
15	The Error Covariance Matrix Inflation in Ensemble Kalman Filter. , 0, , .		3
16	Asymmetrical Lightning Fire Season Expansion in the Boreal Forest of Northeast China. Forests, 2021, 12, 1023.	2.1	3
17	The unevenness in observed daily precipitation in mainland China. Theoretical and Applied Climatology, 2021, 146, 1031-1041.	2.8	3
18	Assimilating shallow soil moisture observations into land models with a water budget constraint. Hydrology and Earth System Sciences, 2020, 24, 5187-5201.	4.9	3

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	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
25	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