Lu Gao

List of Publications by Year
in descending order

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35 papers	1,191 citations	430442 18 h-index	395343 33 g-index
46 all docs	46 docs citations	46 times ranked	1378 citing authors

#	Article	IF	Citations
1	Simulation of an Extreme Precipitation Event Using Ensemble-Based WRF Model in the Southeastern Coastal Region of China. Atmosphere, 2022, 13, 194.	1.0	3
2	Impact of Elevation-Dependent Warming on Runoff Changes in the Headwater Region of Urumqi River Basin. Remote Sensing, 2022, 14, 1780.	1.8	6
3	Performance of the WRF model in simulating intense precipitation events over the Hanjiang River Basin, China â€“ A multi-physics ensemble approach. Atmospheric Research, 2021, 248, 105206.	1.8	23
4	Associated atmospheric mechanisms for the increased cold season precipitation over the Three-River Headwaters region from the late 1980s. Journal of Climate, 2021, , 1.	1.2	5
5	Role of reservoir regulation and groundwater feedback in a simulated groundâ€soilâ€vegetation continuum: A longâ€term regional scale analysis. Hydrological Processes, 2021, 35, e14341.	1.1	8
6	Does non-stationarity of extreme precipitation exist in the Poyang Lake Basin of China?. Journal of Hydrology: Regional Studies, 2021, 37, 100920.	1.0	9
7	Contributions of climate change and human activities to runoff variations in the Poyang Lake Basin of China. Physics and Chemistry of the Earth, 2021, 123, 103019.	1.2	25
8	Spatial and temporal variations in nitrogen retention effects in a subtropical mountainous basin in Southeast China. Journal of Mountain Science, 2021, 18, 2672-2687.	0.8	1
9	Evidence of elevation-dependent warming from the Chinese Tian Shan. Cryosphere, 2021, 15, 5765-5783.	1.5	14
10	Hazard analysis of typhoon disaster-causing factors based on different landing paths: a case study of Fujian Province, China. Natural Hazards, 2020, 100, 811-828.	1.6	6
11	A New Approach for Optimizing Rain Gauge Networks: A Case Study in the Jinjiang Basin. Water (Switzerland), 2020, 12, 2252.	1.2	7
12	Spatiotemporal variations of drought in the Yunnan-Guizhou Plateau, southwest China, during 1960â€“2013 and their association with large-scale circulations and historical records. Ecological Indicators, 2020, 112, 106041.	2.6	52
13	Evaluation of ERA-Interim Air Temperature Data over the Qilian Mountains of China. Advances in Meteorology, 2020, 2020, 1-11.	0.6	13
14	Stable isotope ratios of typhoon rains in Fuzhou, Southeast China, during 2013â€“2017. Journal of Hydrology, 2019, 570, 445-453.	2.3	38
15	Runoff variation characteristics, association with large-scale circulation and dominant causes in the Heihe River Basin, Northwest China. Science of the Total Environment, 2019, 688, 361-379.	3.9	29
16	Uncertainty in simulation of land-use change impacts on catchment runoff with multi-timescales based on the comparison of the HSPF and SWAT models. Journal of Hydrology, 2019, 573, 486-500.	2.3	74
17	The spatial-temporal patterns of heatwave hazard impacts on wheat in northern China under extreme climate scenarios. Geomatics, Natural Hazards and Risk, 2019, 10, 2346-2367.	2.0	14
18	Statistical analyses of spatial and temporal variabilities in total, daytime, and nighttime precipitation indices and of extreme dry/wet association with large-scale circulations of Southwest China, 1961â€“2016. Atmospheric Research, 2019, 219, 166-182.	1.8	47

#	Article	IF	Citations
19	Contributions of natural climate changes and human activities to the trend of extreme precipitation. Atmospheric Research, 2018, 205, 60-69.	1.8	73
20	Toward Improved Calibration of SWAT Using Season-Based Multi-Objective Optimization: a Case Study in the Jinjiang Basin in Southeastern China. Water Resources Management, 2018, 32, 1193-1207.	1.9	21
21	Temporal-Spatial Characteristics of Drought in Guizhou Province, China, Based on Multiple Drought Indices and Historical Disaster Records. Advances in Meteorology, 2018, 2018, 1-22.	0.6	15
22	A high-resolution air temperature data set for the Chinese Tian Shan in 1979â€“2016. Earth System Science Data, 2018, 10, 2097-2114.	3.7	31
23	Research on land use optimization for reducing wind erosion in sandy desertified area: a case study of Yuyang County in Mu Us Desert, China. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1371-1387.	1.9	11
24	Risk of Extreme Precipitation under Nonstationarity Conditions during the Second Flood Season in the Southeastern Coastal Region of China. Journal of Hydrometeorology, 2017, 18, 669-681.	0.7	33
25	Elevation correction of <scp>ERA</scp>â€Interim temperature data in the Tibetan Plateau. International Journal of Climatology, 2017, 37, 3540-3552.	1.5	40
26	Non-linear relationship of hydrological drought responding to meteorological drought and impact of a large reservoir. Journal of Hydrology, 2017, 551, 495-507.	2.3	167
27	Flood/drought event identification using an effective indicator based on the correlations between multiple time scales of the Standardized Precipitation Index and river discharge. Theoretical and Applied Climatology, 2017, 128, 159-168.	1.3	18
28	Response of Hydrological Drought to Meteorological Drought under the Influence of Large Reservoir. Advances in Meteorology, 2016, 2016, 1-11.	0.6	28
29	A First Evaluation of ERA-20CM over China. Monthly Weather Review, 2016, 144, 45-57.	0.5	17
30	Analyses of landuse change impacts on catchment runoff using different time indicators based on SWAT model. Ecological Indicators, 2015, 58, 55-63.	2.6	152
31	Evaluation of ERA-interim monthly temperature data over the Tibetan Plateau. Journal of Mountain Science, 2014, 11, 1154-1168.	0.8	49
32	Statistical Downscaling of ERA-Interim Forecast Precipitation Data in Complex Terrain Using LASSO Algorithm. Advances in Meteorology, 2014, 2014, 1-16.	0.6	33
33	Elevation correction of ERA-Interim temperature data in complex terrain. Hydrology and Earth System Sciences, 2012, 16, 4661-4673.	1.9	104
34	How Well Does the ERA5 Reanalysis Capture the Extreme Climate Events Over China? Part I: Extreme Precipitation. Frontiers in Environmental Science, 0, 10, .	1.5	16
35	How Well Does the ERA5 Reanalysis Capture the Extreme Climate Events Over China? Part II: Extreme Temperature. Frontiers in Environmental Science, 0, 10, .	1.5	6