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	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
2	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
3	Elevation correction of ERA-Interim temperature data in complex terrain. Hydrology and Earth System Sciences, 2012, 16, 4661-4673.	1.9	104
4	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
5	Contributions of natural climate changes and human activities to the trend of extreme precipitation. Atmospheric Research, 2018, 205, 60-69.	1.8	73
6	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
7	Evaluation of ERA-interim monthly temperature data over the Tibetan Plateau. Journal of Mountain Science, 2014, 11, 1154-1168.	0.8	49
8	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
9	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
10	Stable isotope ratios of typhoon rains in Fuzhou, Southeast China, during 2013â€“2017. Journal of Hydrology, 2019, 570, 445-453.	2.3	38
11	Statistical Downscaling of ERA-Interim Forecast Precipitation Data in Complex Terrain Using LASSO Algorithm. Advances in Meteorology, 2014, 2014, 1-16.	0.6	33
12	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
13	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
14	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
15	Response of Hydrological Drought to Meteorological Drought under the Influence of Large Reservoir. Advances in Meteorology, 2016, 2016, 1-11.	0.6	28
16	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
17	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
18	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

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19	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
20	A First Evaluation of ERA-20CM over China. Monthly Weather Review, 2016, 144, 45-57.	0.5	17
21	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
22	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
23	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
24	Evidence of elevation-dependent warming from the Chinese Tian Shan. Cryosphere, 2021, 15, 5765-5783.	1.5	14
25	Evaluation of ERA-Interim Air Temperature Data over the Qilian Mountains of China. Advances in Meteorology, 2020, 2020, 1-11.	0.6	13
26	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
27	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
28	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
29	A New Approach for Optimizing Rain Gauge Networks: A Case Study in the Jinjiang Basin. Water (Switzerland), 2020, 12, 2252.	1.2	7
30	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
31	Impact of Elevation-Dependent Warming on Runoff Changes in the Headwater Region of Urumqi River Basin. Remote Sensing, 2022, 14, 1780.	1.8	6
32	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
33	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
34	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
35	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