

Guobin Fu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

3,761
citations

31
h-index

60
g-index

85
ext. papers

4,254
ext. citations

3.9
avg. IF

5.33
L-index

#	Paper	IF	Citations
79	Global insights into water resources, climate change and governance. <i>Nature Climate Change</i> , 2013 , 3, 315-321	21.4	244
78	Hydro-Climatic Trends of the Yellow River Basin for the Last 50 Years. <i>Climatic Change</i> , 2004 , 65, 149-178	4.5	244
77	A two-parameter climate elasticity of streamflow index to assess climate change effects on annual streamflow. <i>Water Resources Research</i> , 2007 , 43,	5.4	227
76	Attribution for decreasing streamflow of the Haihe River basin, northern China: Climate variability or human activities?. <i>Journal of Hydrology</i> , 2012 , 460-461, 117-129	6	193
75	Assessments of Impacts of Climate Change and Human Activities on Runoff with SWAT for the Huifa River Basin, Northeast China. <i>Water Resources Management</i> , 2012 , 26, 2199-2217	3.7	161
74	Temporal variation of extreme rainfall events in China, 1961-2009. <i>Journal of Hydrology</i> , 2013 , 487, 48-596		131
73	Modeling the impacts of no-till practice on soil erosion and sediment yield with RUSLE, SEDD, and ArcView GIS. <i>Soil and Tillage Research</i> , 2006 , 85, 38-49	6.5	123
72	A worldwide evaluation of basin-scale evapotranspiration estimates against the water balance method. <i>Journal of Hydrology</i> , 2016 , 538, 82-95	6	118
71	Decadal Climatic Variability, Trends, and Future Scenarios for the North China Plain. <i>Journal of Climate</i> , 2009 , 22, 2111-2123	4.4	116
70	Comparison of runoff modelled using rainfall from different downscaling methods for historical and future climates. <i>Journal of Hydrology</i> , 2010 , 387, 10-23	6	116
69	Trends of major hydroclimatic variables in the Tarim River basin during the past 50 years. <i>Journal of Arid Environments</i> , 2010 , 74, 256-267	2.5	112
68	Linkages between ENSO/PDO signals and precipitation, streamflow in China during the last 100 years. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 3651-3661	5.5	103
67	A critical overview of pan evaporation trends over the last 50 years. <i>Climatic Change</i> , 2009 , 97, 193-214	4.5	94
66	Impacts of climate variability on stream-flow in the Yellow River. <i>Hydrological Processes</i> , 2007 , 21, 3431-3439	3.5	94
65	Precipitation and temperature trends for the Southwest China: 1960-2007. <i>Hydrological Processes</i> , 2010 , 24, 3733-3744	3.3	92
64	A comparison of multi-site daily rainfall downscaling techniques under Australian conditions. <i>Journal of Hydrology</i> , 2011 , 408, 1-18	6	85
63	Temporal variation of wind speed in China for 1961-2007. <i>Theoretical and Applied Climatology</i> , 2011 , 104, 313-324	3	78

62	Urban planning indicators, morphology and climate indicators: A case study for a north-south transect of Beijing, China. <i>Building and Environment</i> , 2011 , 46, 1174-1183	6.5	73
61	Impacts of climate change under CMIP5 RCP scenarios on streamflow in the Huangnizhuang catchment. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1781-1795	3.5	69
60	Vegetation dynamics induced by groundwater fluctuations in the lower Heihe River Basin, northwestern China. <i>Journal of Plant Ecology</i> , 2011 , 4, 77-90	1.7	68
59	Investigating the conversion coefficients for free water surface evaporation of different evaporation pans. <i>Hydrological Processes</i> , 2004 , 18, 2247-2262	3.3	68
58	A score-based method for assessing the performance of GCMs: A case study of southeastern Australia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 4154-4167	4.4	64
57	Evaluation of two statistical downscaling models for daily precipitation over an arid basin in China. <i>International Journal of Climatology</i> , 2011 , 31, 2006-2020	3.5	60
56	Vegetation responses to integrated water management in the Ejina basin, northwest China. <i>Hydrological Processes</i> , 2011 , 25, 3448-3461	3.3	55
55	Spatial-temporal variations of spring drought based on spring-composite index values for the Songnen Plain, Northeast China. <i>Theoretical and Applied Climatology</i> , 2014 , 116, 371-384	3	52
54	Stable isotopic compositions in Australian precipitation. <i>Journal of Geophysical Research</i> , 2010 , 115,		51
53	Impacts of Climate Change on Regional Hydrological Regimes in the Spokane River Watershed. <i>Journal of Hydrologic Engineering - ASCE</i> , 2007 , 12, 452-461	1.8	47
52	Comparison of regionalization approaches based on regression and similarity for predictions in ungauged catchments under multiple hydro-climatic conditions. <i>Journal of Hydrology</i> , 2012 , 466-467, 37-46	6	44
51	A comparison of three multi-site statistical downscaling models for daily rainfall in the North China Plain. <i>Theoretical and Applied Climatology</i> , 2013 , 111, 585-600	3	39
50	How Will Climate Change Affect the Water Availability in the Heihe River Basin, Northwest China?. <i>Journal of Hydrometeorology</i> , 2016 , 17, 1517-1542	3.7	37
49	Simulation and classification of the impacts of projected climate change on flow regimes in the arid Hexi Corridor of Northwest China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 7429-7453	4.4	33
48	Daily rainfall projections from general circulation models with a downscaling nonhomogeneous hidden Markov model (NHMM) for south-eastern Australia. <i>Hydrological Processes</i> , 2013 , 27, 3663-3673	3.3	31
47	Long-Term Temporal Variation of Extreme Rainfall Events in Australia: 1910-2006. <i>Journal of Hydrometeorology</i> , 2010 , 11, 950-965	3.7	31
46	Groundwater Recharge Prediction Using Linear Regression, Multi-Layer Perception Network, and Deep Learning. <i>Water (Switzerland)</i> , 2019 , 11, 1879	3	30
45	A modified soil water deficit index (MSWDI) for agricultural drought monitoring: Case study of Songnen Plain, China. <i>Agricultural Water Management</i> , 2017 , 194, 125-138	5.9	29

44	The streamflow trend in Tangwang River basin in northeast China and its difference response to climate and land use change in sub-basins. <i>Environmental Earth Sciences</i> , 2013 , 69, 51-62	2.9	27
43	Comparison of NCEP-NCAR and ERA-Interim over Australia. <i>International Journal of Climatology</i> , 2016 , 36, 2345-2367	3.5	26
42	Impacts of environmental flow controls on the water table and groundwater chemistry in the Ejina Delta, northwestern China. <i>Environmental Earth Sciences</i> , 2011 , 64, 15-24	2.9	26
41	Impacts of precipitation and temperature changes on annual streamflow in the Murray-Darling Basin. <i>Water International</i> , 2010 , 35, 313-323	2.4	26
40	Attributing variations of temporal and spatial groundwater recharge: A statistical analysis of climatic and non-climatic factors. <i>Journal of Hydrology</i> , 2019 , 568, 816-834	6	26
39	Hydro-climatic variability and trends in Washington State for the last 50 years. <i>Hydrological Processes</i> , 2010 , 24, 866-878	3.3	24
38	The mechanism and scenarios of how mean annual runoff varies with climate change in Asian monsoon areas. <i>Journal of Hydrology</i> , 2014 , 517, 595-606	6	22
37	Hydrological projection for the Miyun Reservoir basin with the impact of climate change and human activity. <i>Quaternary International</i> , 2012 , 282, 96-103	2	22
36	Projection of future rainfall for the North China Plain using two statistical downscaling models and its hydrological implications. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1783-1797	3.5	21
35	Assessing vegetation dynamics and their relationships with climatic variability in Heilongjiang province, northeast China. <i>Environmental Earth Sciences</i> , 2011 , 64, 2013-2024	2.9	20
34	Water Crisis in the Yellow River: Facts, Reasons, Impacts, and Countermeasures. <i>Water Practice and Technology</i> , 2006 , 1,	0.9	20
33	Uncertainty of Hydrological Drought Characteristics with Copula Functions and Probability Distributions: A Case Study of Weihe River, China. <i>Water (Switzerland)</i> , 2017 , 9, 334	3	19
32	Potential role of permafrost thaw on increasing Siberian river discharge. <i>Environmental Research Letters</i> , 2021 , 16, 034046	6.2	19
31	Human-Induced Runoff Change in Northeast China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014069	1.8	16
30	Surface Water-Groundwater Interaction in the Guanzhong Section of the Weihe River Basin, China. <i>Ground Water</i> , 2019 , 57, 647-660	2.4	16
29	Recent changes in precipitation extremes in the Heihe River basin, Northwest China. <i>Advances in Atmospheric Sciences</i> , 2015 , 32, 1391-1406	2.9	15
28	Modelling runoff with statistically downscaled daily site, gridded and catchment rainfall series. <i>Journal of Hydrology</i> , 2013 , 492, 254-265	6	15
27	Impacts of climate change on hydrological processes in the headwater catchment of the Tarim River basin, China. <i>Hydrological Processes</i> , 2009 , 24, n/a-n/a	3.3	15

26	Evaluation of various root transformations of daily precipitation amounts fitted with a normal distribution for Australia. <i>Theoretical and Applied Climatology</i> , 2010 , 99, 229-238	3	15
25	Impacts of climate change on hydrological droughts at basin scale: A case study of the Weihe River Basin, China. <i>Quaternary International</i> , 2019 , 513, 37-46	2	14
24	Uncertainties of statistical downscaling from predictor selection: Equifinality and transferability. <i>Atmospheric Research</i> , 2018 , 203, 130-140	5.4	13
23	Precipitation isotope characteristics and climatic controls at a continental and an island site in [Northeast Asia. <i>Climate Research</i> , 2011 , 49, 29-44	1.6	13
22	Assessing the hydrological impacts of climate change in the headwater catchment of the Tarim River basin, China 2013 , 44, 834-849		12
21	Projecting streamflow in the Tangwang River basin (China) using a rainfall generator and two hydrological models. <i>Climate Research</i> , 2015 , 62, 79-97	1.6	11
20	Quantitative analysis of nonlinear climate change impact on drought based on the standardized precipitation and evapotranspiration index. <i>Ecological Indicators</i> , 2021 , 121, 107107	5.8	11
19	Quantifying the Impacts of Climate Change, Coal Mining and Soil and Water Conservation on Streamflow in a Coal Mining Concentrated Watershed on the Loess Plateau, China. <i>Water (Switzerland)</i> , 2019 , 11, 1054	3	9
18	Temporal and Spatial Variations of Drought in China: Reconstructed from Historical Memorials Archives during 1689-1911. <i>PLoS ONE</i> , 2016 , 11, e0148072	3.7	8
17	Change-signal impacts in downscaled data and its influence on hydroclimate projections. <i>Journal of Hydrology</i> , 2018 , 564, 12-25	6	8
16	Bias in dynamically downscaled rainfall characteristics for hydroclimatic projections. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 2963-2979	5.5	6
15	Impact of Coal Resource Development on Streamflow Characteristics: Influence of Climate Variability and Climate Change. <i>Water (Switzerland)</i> , 2018 , 10, 1161	3	6
14	From meteorological droughts to hydrological droughts: a case study of the Weihe River Basin, China. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	5
13	Innovative Trend Analysis of Air Temperature and Precipitation in the Jinsha River Basin, China. <i>Water (Switzerland)</i> , 2020 , 12, 3293	3	5
12	Generation of multi-site stochastic daily rainfall with four weather generators: a case study of Gloucester catchment in Australia. <i>Theoretical and Applied Climatology</i> , 2018 , 134, 1027-1046	3	5
11	Probability Models of Fire Risk Based on Forest Fire Indices in Contrasting Climates over China. <i>Journal of Resources and Ecology</i> , 2012 , 3, 105-117	0.5	5
10	Annual and seasonal precipitation trends and their attributions in the Qinling Mountains, a climate transitional zone in China. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 401-413	3	5
9	Trend and change points of streamflow in the Yellow River and their attributions. <i>Journal of Water and Climate Change</i> , 2021 , 12, 136-151	2.3	4

8	Water Crisis in the Yellow River: Facts, Reasons, Impacts, and Countermeasures. <i>Water Practice and Technology</i> , 2006 , 1,	0.9	3
7	Evaluation of HHT approach for estimating agricultural drought trend and frequency based on modified soil water deficit index (MSWDI). <i>Theoretical and Applied Climatology</i> , 2019 , 137, 1825-1842	3	3
6	Statistical analysis of attributions of climatic characteristics to nonstationary rainfall-streamflow relationship. <i>Journal of Hydrology</i> , 2021 , 127017	6	3
5	Understanding spatio-temporal rainfall-runoff changes in a semi-arid region. <i>Hydrological Processes</i> , 2020 , 34, 2510	3.3	2
4	Impact of downscaled rainfall biases on projected runoff changes. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 2981-2997	5.5	2
3	Climate changes and variability in the Great Artesian Basin (Australia), future projections, and implications for groundwater management. <i>Hydrogeology Journal</i> , 2020 , 28, 375-391	3.1	2
2	Trends in Groundwater Levels in Alluvial Aquifers of the MurrayDarling Basin and Their Attributions. <i>Water (Switzerland)</i> , 2022 , 14, 1808	3	2
1	Uncertainty of Gridded Precipitation at Local and Continent Scales: A Direct Comparison of Rainfall from SILO and AWAP in Australia. <i>Asia-Pacific Journal of Atmospheric Sciences</i> ,1	2.1	1