

Hanbo Yang

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,980
citations

186265

28
h-index

144013

57
g-index

78
all docs

78
docs citations

78
times ranked

3344
citing authors

#	ARTICLE	IF	CITATIONS
1	Decreases in Mean Annual Streamflow and Interannual Streamflow Variability Across Snow-affected Catchments Under a Warming Climate. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	10
2	Assessing the ability of potential evaporation models to capture the sensitivity to temperature. <i>Agricultural and Forest Meteorology</i> , 2022, 317, 108886.	4.8	6
3	Long-term observed evapotranspiration and its variation caused by anthropogenic controls in an ecofragile region. <i>Agriculture, Ecosystems and Environment</i> , 2022, 335, 108008.	5.3	3
4	Revisiting the Pan Evaporation Trend in China During 1988–2017. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
5	A simple framework for estimating the annual runoff frequency distribution under a non-stationarity condition. <i>Journal of Hydrology</i> , 2021, 592, 125550.	5.4	9
6	Estimation of Water Surface Energy Partitioning With a Conceptual Atmospheric Boundary Layer Model. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092643.	4.0	8
7	Causal effects of dams and land cover changes on flood changes in mainland China. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2705-2720.	4.9	14
8	Analysis on the Variation of Hydro-Meteorological Variables in the Yongding River Mountain Area Driven by Multiple Factors. <i>Remote Sensing</i> , 2021, 13, 3199.	4.0	5
9	Long term variation of evapotranspiration and water balance based on upscaling eddy covariance observations over the temperate semi-arid grassland of China. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108566.	4.8	5
10	Terrestrial Water Storage Change Retrieved by GRACE and Its Implication in the Tibetan Plateau: Estimating Areal Precipitation in Ungauged Region. <i>Remote Sensing</i> , 2020, 12, 3129.	4.0	11
11	Generation of MODIS-like land surface temperatures under all-weather conditions based on a data fusion approach. <i>Remote Sensing of Environment</i> , 2020, 246, 111863.	11.0	127
12	Spatiotemporal variations in frozen ground and their impacts on hydrological components in the source region of the Yangtze River. <i>Journal of Hydrology</i> , 2020, 590, 125237.	5.4	27
13	Classifying floods by quantifying driver contributions in the Eastern Monsoon Region of China. <i>Journal of Hydrology</i> , 2020, 585, 124767.	5.4	38
14	Seasonal Characteristics of Disdrometer-Observed Raindrop Size Distributions and Their Applications on Radar Calibration and Erosion Mechanism in a Semi-Arid Area of China. <i>Remote Sensing</i> , 2020, 12, 262.	4.0	8
15	Precipitation Characteristic Analysis of the Zhoushan Archipelago: From the View of MSWEP and Rainfall Merging. <i>Water (Switzerland)</i> , 2020, 12, 829.	2.7	5
16	Identification of homogeneous regions in terms of flood seasonality using a complex network approach. <i>Journal of Hydrology</i> , 2019, 576, 726-735.	5.4	9
17	An Improved Conceptual Model Quantifying the Effect of Climate Change and Anthropogenic Activities on Vegetation Change in Arid Regions. <i>Remote Sensing</i> , 2019, 11, 2110.	4.0	4
18	Satellite-based simulation of soil freezing/thawing processes in the northeast Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2019, 231, 111269.	11.0	21

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19	Trend Analysis of Temperature and Precipitation Extremes during Winter Wheat Growth Period in the Major Winter Wheat Planting Area of China. <i>Atmosphere</i> , 2019, 10, 240.	2.3	15
20	Excessive Afforestation and Soil Drying on China's Loess Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 923-935.	3.0	147
21	Quantifying the streamflow response to frozen ground degradation in the source region of the Yellow River within the Budyko framework. <i>Journal of Hydrology</i> , 2018, 558, 301-313.	5.4	89
22	Harmonious level indexing for ascertaining human-water relationships. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	6
23	Historical and future changes of frozen ground in the upper Yellow River Basin. <i>Global and Planetary Change</i> , 2018, 162, 199-211.	3.5	37
24	Development of a Physically Based Soil Albedo Parameterization for the Tibetan Plateau. <i>Vadose Zone Journal</i> , 2018, 17, 1-21.	2.2	3
25	Frozen ground degradation may reduce future runoff in the headwaters of an inland river on the northeastern Tibetan Plateau. <i>Journal of Hydrology</i> , 2018, 564, 1153-1164.	5.4	47
26	Improving the Regional Applicability of Satellite Precipitation Products by Ensemble Algorithm. <i>Remote Sensing</i> , 2018, 10, 577.	4.0	24
27	Simulation of water balance in a maize field under film-mulching drip irrigation. <i>Agricultural Water Management</i> , 2018, 210, 252-260.	5.6	48
28	Spatial Interpolation of Daily Precipitation in a High Mountainous Watershed Based on Gauge Observations and a Regional Climate Model Simulation. <i>Journal of Hydrometeorology</i> , 2017, 18, 845-862.	1.9	28
29	Historical and future trends in wetting and drying in 291 catchments across China. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2233-2248.	4.9	16
30	Monitoring the variations of evapotranspiration due to land use/cover change in a semiarid shrubland. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 863-877.	4.9	28
31	Dominant climatic factors driving annual runoff changes at the catchment scale across China. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2573-2587.	4.9	34
32	Unifying catchment water balance models for different time scales through the maximum entropy production principle. <i>Water Resources Research</i> , 2016, 52, 7503-7512.	4.2	28
33	Establishing a rainfall threshold for flash flood warnings in China's mountainous areas based on a distributed hydrological model. <i>Journal of Hydrology</i> , 2016, 541, 371-386.	5.4	84
34	Quantifying the effect of vegetation change on the regional water balance within the Budyko framework. <i>Geophysical Research Letters</i> , 2016, 43, 1140-1148.	4.0	171
35	Hydrological change driven by human activities and climate variation and its spatial variability in Huaihe Basin, China. <i>Hydrological Sciences Journal</i> , 2016, 61, 1370-1382.	2.6	18
36	Inconsistency in Chinese solar radiation data caused by instrument replacement: Quantification based on pan evaporation observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3191-3198.	3.3	11

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37	Simulated impacts of irrigation on evapotranspiration in a strongly exploited region: a case study of the Haihe River basin, China. <i>Hydrological Processes</i> , 2015, 29, 2704-2719.	2.6	30
38	Spatial variability of the trends in climatic variables across China during 1961–2010. <i>Theoretical and Applied Climatology</i> , 2015, 120, 773-783.	2.8	31
39	Understanding hydrological trends by combining the Budyko hypothesis and a stochastic soil moisture model. <i>Hydrological Sciences Journal</i> , 2015, 60, 145-155.	2.6	23
40	A distributed scheme developed for eco-hydrological modeling in the upper Heihe River. <i>Science China Earth Sciences</i> , 2015, 58, 36-45.	5.2	95
41	Spatio-temporal variation of drought in China during 1961–2012: A climatic perspective. <i>Journal of Hydrology</i> , 2015, 526, 253-264.	5.4	414
42	Multi-scale evaluation of six high-resolution satellite monthly rainfall estimates over a humid region in China with dense rain gauges. <i>International Journal of Remote Sensing</i> , 2014, 35, 1272-1294.	2.9	56
43	Attribution analysis based on the Budyko hypothesis for detecting the dominant cause of runoff decline in Haihe basin. <i>Journal of Hydrology</i> , 2014, 510, 530-540.	5.4	284
44	The regional variation in climate elasticity and climate contribution to runoff across China. <i>Journal of Hydrology</i> , 2014, 517, 607-616.	5.4	143
45	An error analysis of the Budyko hypothesis for assessing the contribution of climate change to runoff. <i>Water Resources Research</i> , 2014, 50, 9620-9629.	4.2	77
46	Seasonal variability of the complementary relationship in the Asian monsoon region. <i>Hydrological Processes</i> , 2013, 27, 2736-2741.	2.6	29
47	Accuracy and spatio-temporal variation of high resolution satellite rainfall estimate over the Ganjiang River Basin. <i>Science China Technological Sciences</i> , 2013, 56, 853-865.	4.0	47
48	Impact of the Three Gorges Dam on flow regime in the middle and lower Yangtze River. <i>Quaternary International</i> , 2013, 304, 43-50.	1.5	111
49	Numerical Analysis on the Contribution of Urbanization to Wind Stilling: An Example over the Greater Beijing Metropolitan Area. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 1105-1115.	1.5	46
50	Assessing the impacts of climate variability and human activities on annual runoff in the Luan River basin, China. <i>Hydrology Research</i> , 2013, 44, 940-952.	2.7	78
51	Climatic factors influencing changing pan evaporation across China from 1961 to 2001. <i>Journal of Hydrology</i> , 2012, 414-415, 184-193.	5.4	136
52	Changes in the eco-flow metrics of the Upper Yangtze River from 1961 to 2008. <i>Journal of Hydrology</i> , 2012, 448-449, 30-38.	5.4	125
53	Derivation of climate elasticity of runoff to assess the effects of climate change on annual runoff. <i>Water Resources Research</i> , 2011, 47, .	4.2	199
54	Variability of complementary relationship and its mechanism on different time scales. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1059-1067.	0.9	12

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55	Hydrological trend analysis in the Yellow River basin using a distributed hydrological model. <i>Water Resources Research</i> , 2009, 45, .	4.2	151
56	Impact of vegetation coverage on regional water balance in the nonhumid regions of China. <i>Water Resources Research</i> , 2009, 45, .	4.2	254
57	New analytical derivation of the mean annual water–energy balance equation. <i>Water Resources Research</i> , 2008, 44, .	4.2	475