

Xuezhi Tan

List of Publications by Year in descending order

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44
papers

1,156
citations

411340

20
h-index

445137

33
g-index

45
all docs

45
docs citations

45
times ranked

1457
citing authors

#	ARTICLE	IF	CITATIONS
1	Fronts and Cyclones Associated with Changes in the Total and Extreme Precipitation over China. <i>Journal of Climate</i> , 2022, 35, 4131-4146.	1.2	4
2	Long-term Water Imbalances of Watersheds Resulting From Biases in Hydroclimatic Data Sets for Water Budget Analyses. <i>Water Resources Research</i> , 2022, 58, .	1.7	11
3	Extreme Hydro-Climate Events: Past, Present, and Future. <i>Atmosphere</i> , 2022, 13, 843.	1.0	0
4	Detection and attribution of the decreasing precipitation and extreme drought 2020 in southeastern China. <i>Journal of Hydrology</i> , 2022, 610, 127996.	2.3	5
5	Duration“severity”area characteristics of drought events in eastern China determined using a three-dimensional clustering method. <i>International Journal of Climatology</i> , 2021, 41, E3065.	1.5	6
6	Response of precipitation to extensive urbanization over the Pearl River Delta metropolitan region. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	5
7	Impacts of land use change on thermodynamic and dynamic changes of precipitation for the Yangtze River Basin, China. <i>International Journal of Climatology</i> , 2021, 41, 3598-3614.	1.5	11
8	Large-scale synoptic atmospheric moisture circulation patterns associated with variability of daily precipitation over East China. <i>International Journal of Climatology</i> , 2021, 41, 3439-3456.	1.5	1
9	Recent changing characteristics of dry and wet spells in Canada. <i>Climatic Change</i> , 2021, 165, 1.	1.7	6
10	Global changes in the spatial extents of precipitation extremes. <i>Environmental Research Letters</i> , 2021, 16, 054017.	2.2	22
11	Dynamic changes of the dryness/wetness characteristics in the largest river basin of South China and their possible climate driving factors. <i>Atmospheric Research</i> , 2020, 232, 104685.	1.8	12
12	Spatiotemporal changes of drought characteristics and their dynamic drivers in Canada. <i>Atmospheric Research</i> , 2020, 232, 104695.	1.8	43
13	Inter-comparison of spatiotemporal features of precipitation extremes within six daily precipitation products. <i>Climate Dynamics</i> , 2020, 54, 1057-1076.	1.7	21
14	Global Changes in Baseflow Under the Impacts of Changing Climate and Vegetation. <i>Water Resources Research</i> , 2020, 56, e2020WR027349.	1.7	36
15	Inconsistent changes in global precipitation seasonality in seven precipitation datasets. <i>Climate Dynamics</i> , 2020, 54, 3091-3108.	1.7	24
16	Global atmospheric moisture transport associated with precipitation extremes: Mechanisms and climate change impacts. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1412.	2.8	47
17	Synoptic moisture pathways associated with mean and extreme precipitation over Canada for summer and fall. <i>Climate Dynamics</i> , 2019, 52, 2959-2979.	1.7	7
18	Modeling distributional changes in winter precipitation of Canada using Bayesian spatiotemporal quantile regression subjected to different teleconnections. <i>Climate Dynamics</i> , 2019, 52, 2105-2124.	1.7	16

#	ARTICLE	IF	CITATIONS
19	Synoptic moisture pathways associated with mean and extreme precipitation over Canada for winter and spring. <i>Climate Dynamics</i> , 2019, 53, 2663-2681.	1.7	7
20	Trends in Persistent Seasonal-Scale Atmospheric Circulation Patterns Responsible for Seasonal Precipitation Totals and Occurrences of Precipitation Extremes over Canada. <i>Journal of Climate</i> , 2019, 32, 7105-7126.	1.2	23
21	Characteristics and circulation background of extreme precipitation over East China. <i>Natural Hazards</i> , 2019, 99, 537-552.	1.6	6
22	Dynamic and thermodynamic changes conducive to the increased occurrence of extreme spring fire weather over western Canada under possible anthropogenic climate change. <i>Agricultural and Forest Meteorology</i> , 2019, 265, 269-279.	1.9	17
23	Nonstationary Stochastic Simulation-Based Water Allocation Method for Regional Water Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	9
24	Improving Water Reuse in Paddy Field Districts with Cascaded On-farm Ponds using Hydrologic Model Simulations. <i>Water Resources Management</i> , 2018, 32, 1849-1865.	1.9	13
25	Moisture sources and pathways associated with the spatial variability of seasonal extreme precipitation over Canada. <i>Climate Dynamics</i> , 2018, 50, 629-640.	1.7	16
26	Effects of temperature and soil moisture on gross nitrification and denitrification rates of a Chinese lowland paddy field soil. <i>Paddy and Water Environment</i> , 2018, 16, 687-698.	1.0	45
27	Projected timing of perceivable changes in climate extremes for terrestrial and marine ecosystems. <i>Global Change Biology</i> , 2018, 24, 4696-4708.	4.2	29
28	Multi-model extreme event attribution of the weather conducive to the 2016 Fort McMurray wildfire. <i>Agricultural and Forest Meteorology</i> , 2018, 260-261, 109-117.	1.9	9
29	Precipitation trends and teleconnections identified using quantile regressions over Xinjiang, China. <i>International Journal of Climatology</i> , 2017, 37, 1510-1525.	1.5	54
30	Non-stationary analysis of the frequency and intensity of heavy precipitation over Canada and their relations to large-scale climate patterns. <i>Climate Dynamics</i> , 2017, 48, 2983-3001.	1.7	24
31	Multifractality of Canadian precipitation and streamflow. <i>International Journal of Climatology</i> , 2017, 37, 1221-1236.	1.5	37
32	Simulation and Optimization of Multi-Reservoir Operation in Inter-Basin Water Transfer System. <i>Water Resources Management</i> , 2017, 31, 3401-3412.	1.9	37
33	Effects of persistence and large-scale climate anomalies on trends and change points in extreme precipitation of Canada. <i>Journal of Hydrology</i> , 2017, 550, 453-465.	2.3	53
34	Evaluation of soil water percolation under different irrigation practices, antecedent moisture and groundwater depths in paddy fields. <i>Agricultural Water Management</i> , 2017, 192, 149-158.	2.4	30
35	An interval multistage classified model for regional inter- and intra-seasonal water management under uncertain and nonstationary condition. <i>Agricultural Water Management</i> , 2017, 191, 98-112.	2.4	11
36	Failure Analysis of a New Irrigation Water Allocation Mode Based on Copula Approaches in the Zhanghe Irrigation District, China. <i>Water (Switzerland)</i> , 2016, 8, 251.	1.2	6

#	ARTICLE	IF	CITATIONS
37	Wavelet analysis of precipitation extremes over Canadian ecoregions and teleconnections to large-scale climate anomalies. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,469.	1.2	62
38	Contribution of human and climate change impacts to changes in streamflow of Canada. Scientific Reports, 2016, 5, 17767.	1.6	57
39	Nonstationary Analysis of Annual Maximum Streamflow of Canada. Journal of Climate, 2015, 28, 1788-1805.	1.2	55
40	Field analysis of water and nitrogen fate in lowland paddy fields under different water managements using HYDRUS-1D. Agricultural Water Management, 2015, 150, 67-80.	2.4	83
41	Simulating soil water regime in lowland paddy fields under different water managements using HYDRUS-1D. Agricultural Water Management, 2014, 132, 69-78.	2.4	56
42	Effects of alternate wetting and drying irrigation on percolation and nitrogen leaching in paddy fields. Paddy and Water Environment, 2013, 11, 381-395.	1.0	125
43	Performance analysis of on-farm irrigation tanks on agricultural drainage water reuse and treatment. Resources, Conservation and Recycling, 2013, 75, 1-13.	5.3	12
44	Improvement of set pair analysis evaluation method and its application on urban water security. , 2011, , .		2