

# Xuezhi Tan

## 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.

42  
papers

717  
citations

15  
h-index

26  
g-index

45  
ext. papers

931  
ext. citations

4.6  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
42	Effects of alternate wetting and drying irrigation on percolation and nitrogen leaching in paddy fields. <i>Paddy and Water Environment</i> , <b>2013</b> , 11, 381-395	1.6	96
41	Field analysis of water and nitrogen fate in lowland paddy fields under different water managements using HYDRUS-1D. <i>Agricultural Water Management</i> , <b>2015</b> , 150, 67-80	5.9	61
40	Simulating soil water regime in lowland paddy fields under different water managements using HYDRUS-1D. <i>Agricultural Water Management</i> , <b>2014</b> , 132, 69-78	5.9	47
39	Nonstationary Analysis of Annual Maximum Streamflow of Canada. <i>Journal of Climate</i> , <b>2015</b> , 28, 1788-1805	4.4	45
38	Wavelet analysis of precipitation extremes over Canadian ecoregions and teleconnections to large-scale climate anomalies. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,469-14,486	4.4	39
37	Contribution of human and climate change impacts to changes in streamflow of Canada. <i>Scientific Reports</i> , <b>2015</b> , 5, 17767	4.9	39
36	Precipitation trends and teleconnections identified using quantile regressions over Xinjiang, China. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 1510-1525	3.5	38
35	Effects of persistence and large-scale climate anomalies on trends and change points in extreme precipitation of Canada. <i>Journal of Hydrology</i> , <b>2017</b> , 550, 453-465	6	37
34	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> , <b>2018</b> , 16, 687-698	1.6	32
33	Multifractality of Canadian precipitation and streamflow. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 1221-1236	3.5	24
32	Simulation and Optimization of Multi-Reservoir Operation in Inter-Basin Water Transfer System. <i>Water Resources Management</i> , <b>2017</b> , 31, 3401-3412	3.7	23
31	Evaluation of soil water percolation under different irrigation practices, antecedent moisture and groundwater depths in paddy fields. <i>Agricultural Water Management</i> , <b>2017</b> , 192, 149-158	5.9	22
30	Global atmospheric moisture transport associated with precipitation extremes: Mechanisms and climate change impacts. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2020</b> , 7, e1412	5.7	22
29	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> , <b>2017</b> , 48, 2983-3001	4.2	18
28	Projected timing of perceivable changes in climate extremes for terrestrial and marine ecosystems. <i>Global Change Biology</i> , <b>2018</b> , 24, 4696-4708	11.4	16
27	Moisture sources and pathways associated with the spatial variability of seasonal extreme precipitation over Canada. <i>Climate Dynamics</i> , <b>2018</b> , 50, 629-640	4.2	15
26	Spatiotemporal changes of drought characteristics and their dynamic drivers in Canada. <i>Atmospheric Research</i> , <b>2020</b> , 232, 104695	5.4	15

25	Inconsistent changes in global precipitation seasonality in seven precipitation datasets. <i>Climate Dynamics</i> , <b>2020</b> , 54, 3091-3108	4.2	12
24	Performance analysis of on-farm irrigation tanks on agricultural drainage water reuse and treatment. <i>Resources, Conservation and Recycling</i> , <b>2013</b> , 75, 1-13	11.9	11
23	Improving Water Reuse in Paddy Field Districts with Cascaded On-farm Ponds using Hydrologic Model Simulations. <i>Water Resources Management</i> , <b>2018</b> , 32, 1849-1865	3.7	10
22	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> , <b>2019</b> , 32, 7105-7126	4.4	9
21	Inter-comparison of spatiotemporal features of precipitation extremes within six daily precipitation products. <i>Climate Dynamics</i> , <b>2020</b> , 54, 1057-1076	4.2	9
20	Global Changes in Baseflow Under the Impacts of Changing Climate and Vegetation. <i>Water Resources Research</i> , <b>2020</b> , 56, e2020WR027349	5.4	9
19	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> , <b>2019</b> , 265, 269-279	5.8	8
18	An interval multistage classified model for regional inter- and intra-seasonal water management under uncertain and nonstationary condition. <i>Agricultural Water Management</i> , <b>2017</b> , 191, 98-112	5.9	8
17	Modeling distributional changes in winter precipitation of Canada using Bayesian spatiotemporal quantile regression subjected to different teleconnections. <i>Climate Dynamics</i> , <b>2019</b> , 52, 2105-2124	4.2	7
16	Nonstationary Stochastic SimulationBased Water Allocation Method for Regional Water Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2019</b> , 145, 04018102	2.8	7
15	Multi-model extreme event attribution of the weather conducive to the 2016 Fort McMurray wildfire. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 260-261, 109-117	5.8	6
14	Synoptic moisture pathways associated with mean and extreme precipitation over Canada for summer and fall. <i>Climate Dynamics</i> , <b>2019</b> , 52, 2959-2979	4.2	6
13	Failure Analysis of a New Irrigation Water Allocation Mode Based on Copula Approaches in the Zhanghe Irrigation District, China. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 251	3	6
12	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> , <b>2020</b> , 232, 104685	5.4	4
11	Synoptic moisture pathways associated with mean and extreme precipitation over Canada for winter and spring. <i>Climate Dynamics</i> , <b>2019</b> , 53, 2663-2681	4.2	3
10	Impacts of land use change on thermodynamic and dynamic changes of precipitation for the Yangtze River Basin, China. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 3598-3614	3.5	3
9	Characteristics and circulation background of extreme precipitation over East China. <i>Natural Hazards</i> , <b>2019</b> , 99, 537-552	3	2
8	Improvement of set pair analysis evaluation method and its application on urban water security <b>2011</b> ,		1

7	Recent changing characteristics of dry and wet spells in Canada. <i>Climatic Change</i> , <b>2021</b> , 165, 1	4.5	1
6	Global changes in the spatial extents of precipitation extremes. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 054017	6.2	1
5	Duration–severity–area characteristics of drought events in eastern China determined using a three-dimensional clustering method. <i>International Journal of Climatology</i> , <b>2021</b> , 41, E3065	3.5	1
4	Large-scale synoptic atmospheric moisture circulation patterns associated with variability of daily precipitation over East China. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 3439-3456	3.5	1
3	Response of precipitation to extensive urbanization over the Pearl River Delta metropolitan region. <i>Environmental Earth Sciences</i> , <b>2021</b> , 80, 1	2.9	0
2	Fronts and cyclones associated with changes in the total and extreme precipitation over China. <i>Journal of Climate</i> , <b>2022</b> , 1-48	4.4	0
1	Detection and attribution of the decreasing precipitation and extreme drought 2020 in southeastern China. <i>Journal of Hydrology</i> , <b>2022</b> , 610, 127996	6	0