

# Chun-tan Han

## List of Publications by Year in Descending Order

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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.

30  
papers

165  
citations

8  
h-index

11  
g-index

36  
ext. papers

240  
ext. citations

3.2  
avg, IF

2.82  
L-index

#	Paper	IF	Citations
30	Adjustment of precipitation measurements using Total Rain weighing Sensor (TRWS) gauges in the cryospheric hydrometeorology observation (CHOICE) system of the Qilian Mountains, Northwest China. <i>Journal of Arid Land</i> , <b>2022</b> , 14, 310-324	2.2	
29	Optimal Selection of Empirical Reference Evapotranspiration Method in 36 Different Agricultural Zones of China. <i>Agronomy</i> , <b>2022</b> , 12, 31	3.6	1
28	How do GPM and TRMM precipitation products perform in alpine regions?. <i>Journal of Chinese Geography</i> , <b>2022</b> , 32, 913-931	3.7	1
27	Quantifying the Trends and Variations in the Frost-Free Period and the Number of Frost Days across China under Climate Change Using ERA5-Land Reanalysis Dataset. <i>Remote Sensing</i> , <b>2022</b> , 14, 2400 <sup>5</sup>		1
26	Five-Year Analysis of Evapostublimation Characteristics and Its Role on Surface Energy Balance SEB on a Midlatitude Continental Glacier. <i>Earth and Space Science</i> , <b>2021</b> , 8, e2021EA001901	3.1	1
25	Response of shallow soil temperature to climate change on the Qinghai-Tibetan Plateau. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 1-16	3.5	4
24	Frozen ground change and its potential influence on river discharge in the Tianshan Mountains, northwestern China. <i>Hydrological Sciences Journal</i> , <b>2021</b> , 66, 268-277	3.5	
23	Soil temperature change and its regional differences under different vegetation regions across China. <i>International Journal of Climatology</i> , <b>2021</b> , 41, E2310	3.5	0
22	Evaluation of five complementary relationship models for estimating actual evapotranspiration during soil freeze-thaw cycles <b>2021</b> , 52, 431-449		2
21	Snow process monitoring using time-lapse structure-from-motion photogrammetry with a single camera. <i>Cold Regions Science and Technology</i> , <b>2021</b> , 190, 103355	3.8	2
20	Spatial and temporal variations in glacier aerodynamic surface roughness during the melting season, as estimated at the August-one ice cap, Qilian mountains, China. <i>Cryosphere</i> , <b>2020</b> , 14, 967-984	5.5	3
19	Spatial variability of soil hydraulic conductivity and runoff generation types in a small mountainous catchment. <i>Journal of Mountain Science</i> , <b>2020</b> , 17, 2724-2741	2.1	0
18	An Improved Spatial-Temporal Downscaling Method for TRMM Precipitation Datasets in Alpine Regions: A Case Study in Northwestern China-Qilian Mountains. <i>Remote Sensing</i> , <b>2019</b> , 11, 870	5	11
17	Change characteristics of precipitation and temperature in the Qilian Mountains and Hexi Oasis, Northwestern China. <i>Environmental Earth Sciences</i> , <b>2019</b> , 78, 1	2.9	10
16	Effects of snow-depth change on spring runoff in cryosphere areas of China. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 789-797	3.5	5
15	Sensitivity of potential evapotranspiration to meteorological factors and their elevational gradients in the Qilian Mountains, northwestern China. <i>Journal of Hydrology</i> , <b>2019</b> , 568, 147-159	6	20
14	Response of low flows under climate warming in high-altitude permafrost regions in western China. <i>Hydrological Processes</i> , <b>2019</b> , 33, 66-75	3.3	13

13	Surface energy balance of Bayi Ice Cap in the middle of Qilian Mountains, China. <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 1229-1240	2.1	5
12	Precipitation–altitude relationships on different timescales and at different precipitation magnitudes in the Qilian Mountains. <i>Theoretical and Applied Climatology</i> , <b>2018</b> , 134, 875-884	3	16
11	Adjusting precipitation measurements from the TRWS204 automatic weighing gauge in the Qilian Mountains, China. <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 2365-2377	2.1	5
10	Cryospheric Hydrometeorology Observation in the Hulu Catchment (CHOICE), Qilian Mountains, China. <i>Vadose Zone Journal</i> , <b>2018</b> , 17, 180058	2.7	8
9	Simple Parameterization of Aerodynamic Roughness Lengths and the Turbulent Heat Fluxes at the Top of Midlatitude August-One Glacier, Qilian Mountains, China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,066-12,080	4.4	4
8	Actual daily evapotranspiration and crop coefficients for an alpine meadow in the Qilian Mountains, northwest China <b>2017</b> , 48, 1131-1142		6
7	New methods for calculating bare soil land surface temperature over mountainous terrain. <i>Journal of Mountain Science</i> , <b>2017</b> , 14, 2471-2483	2.1	4
6	Two-year comparative study of snow cover dynamics and its impact factors on glacier surface. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	2
5	Estimation of aboveground biomass for alpine shrubs in the upper reaches of the Heihe River Basin, Northwestern China. <i>Environmental Earth Sciences</i> , <b>2015</b> , 73, 5513-5521	2.9	6
4	Aboveground biomass and water storage allocation in alpine willow shrubs in the Qilian Mountains in China. <i>Journal of Mountain Science</i> , <b>2015</b> , 12, 207-217	2.1	12
3	Observations of precipitation type using a time-lapse camera in a mountainous region and calculation of the rain/snow proportion based on the critical air temperature. <i>Environmental Earth Sciences</i> , <b>2015</b> , 73, 1545-1554	2.9	7
2	Distribution and estimation of aboveground biomass of alpine shrubs along an altitudinal gradient in a small watershed of the Qilian Mountains, China. <i>Journal of Mountain Science</i> , <b>2015</b> , 12, 961-971	2.1	8
1	Measurement and estimation of the summertime daily evapotranspiration on alpine meadow in the Qilian Mountains, northwest China. <i>Environmental Earth Sciences</i> , <b>2012</b> , 68, 2253	2.9	6