

Chun-tan Han

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Sensitivity of potential evapotranspiration to meteorological factors and their elevational gradients in the Qilian Mountains, northwestern China. <i>Journal of Hydrology</i> , 2019, 568, 147-159.	2.3	47
2	Precipitationâ€“altitude relationships on different timescales and at different precipitation magnitudes in the Qilian Mountains. <i>Theoretical and Applied Climatology</i> , 2018, 134, 875-884.	1.3	30
3	Change characteristics of precipitation and temperature in the Qilian Mountains and Hexi Oasis, Northwestern China. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	24
4	Response of low flows under climate warming in highâ€“altitude permafrost regions in western China. <i>Hydrological Processes</i> , 2019, 33, 66-75.	1.1	18
5	Aboveground biomass and water storage allocation in alpine willow shrubs in the Qilian Mountains in China. <i>Journal of Mountain Science</i> , 2015, 12, 207-217.	0.8	16
6	An Improved Spatialâ€“Temporal Downscaling Method for TRMM Precipitation Datasets in Alpine Regions: A Case Study in Northwestern Chinaâ€“s Qilian Mountains. <i>Remote Sensing</i> , 2019, 11, 870.	1.8	16
7	Cryospheric Hydrometeorology Observation in the Hulu Catchment (CHOICE), Qilian Mountains, China. <i>Vadose Zone Journal</i> , 2018, 17, 1-18.	1.3	15
8	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> , 2022, 14, 2400.	1.8	12
9	Response of shallow soil temperature to climate change on the Qinghaiâ€“Tibetan Plateau. <i>International Journal of Climatology</i> , 2021, 41, 1-16.	1.5	11
10	Simple Parameterization of Aerodynamic Roughness Lengths and the Turbulent Heat Fluxes at the Top of Midlatitude Augustâ€“One Glacier, Qilian Mountains, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,066.	1.2	10
11	Estimation of aboveground biomass for alpine shrubs in the upper reaches of the Heihe River Basin, Northwestern China. <i>Environmental Earth Sciences</i> , 2015, 73, 5513-5521.	1.3	9
12	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> , 2015, 12, 961-971.	0.8	9
13	Actual daily evapotranspiration and crop coefficients for an alpine meadow in the Qilian Mountains, northwest China. <i>Hydrology Research</i> , 2017, 48, 1131-1142.	1.1	9
14	Adjusting precipitation measurements from the TRwS204 automatic weighing gauge in the Qilian Mountains, China. <i>Journal of Mountain Science</i> , 2018, 15, 2365-2377.	0.8	8
15	Surface energy balance of Bayi Ice Cap in the middle of Qilian Mountains, China. <i>Journal of Mountain Science</i> , 2018, 15, 1229-1240.	0.8	8
16	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> , 2020, 14, 967-984.	1.5	8
17	Measurement and estimation of the summertime daily evapotranspiration on alpine meadow in the Qilian Mountains, northwest China. <i>Environmental Earth Sciences</i> , 2012, 68, 2253.	1.3	7
18	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> , 2015, 73, 1545-1554.	1.3	7

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19	Effects of snow-depth change on spring runoff in cryosphere areas of China. <i>Hydrological Sciences Journal</i> , 2019, 64, 789-797.	1.2	7
20	Spatial variability of soil hydraulic conductivity and runoff generation types in a small mountainous catchment. <i>Journal of Mountain Science</i> , 2020, 17, 2724-2741.	0.8	7
21	Soil temperature change and its regional differences under different vegetation regions across China. <i>International Journal of Climatology</i> , 2021, 41, E2310.	1.5	7
22	Snow process monitoring using time-lapse structure-from-motion photogrammetry with a single camera. <i>Cold Regions Science and Technology</i> , 2021, 190, 103355.	1.6	7
23	Optimal Selection of Empirical Reference Evapotranspiration Method in 36 Different Agricultural Zones of China. <i>Agronomy</i> , 2022, 12, 31.	1.3	7
24	Research on Water-Level Recognition Method Based on Image Processing and Convolutional Neural Networks. <i>Water (Switzerland)</i> , 2022, 14, 1890.	1.2	7
25	How do GPM and TRMM precipitation products perform in alpine regions?. <i>Journal of Chinese Geography</i> , 2022, 32, 913-931.	1.5	6
26	Evaluation of five complementary relationship models for estimating actual evapotranspiration during soil freeze-thaw cycles. <i>Hydrology Research</i> , 2021, 52, 431-449.	1.1	5
27	Five-Year Analysis of Evaposublimation Characteristics and Its Role on Surface Energy Balance SEB on a Midlatitude Continental Glacier. <i>Earth and Space Science</i> , 2021, 8, e2021EA001901.	1.1	5
28	New methods for calculating bare soil land surface temperature over mountainous terrain. <i>Journal of Mountain Science</i> , 2017, 14, 2471-2483.	0.8	4
29	Two-year comparative study of snow cover dynamics and its impact factors on glacier surface. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	2
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> , 2022, 14, 310-324.	0.9	1
31	Frozen ground change and its potential influence on river discharge in the Tianshan Mountains, northwestern China. <i>Hydrological Sciences Journal</i> , 2021, 66, 268-277.	1.2	0