

Hongbo Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

25
papers

943
citations

15
h-index

28
g-index

28
ext. papers

1,289
ext. citations

6.5
avg, IF

4.21
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 25 | Snow cover persistence reverses the altitudinal patterns of warming above and below 5000m on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2022 , 803, 149889 | 10.2 | 2 |
| 24 | Coupling of decreased snow accumulation and increased light-absorbing particles accelerates glacier retreat in the Tibetan Plateau. <i>Science of the Total Environment</i> , 2021 , 151095 | 10.2 | 1 |
| 23 | Investigating the ability of multiple reanalysis datasets to simulate snow depth variability over mainland China from 1981 to 2018. <i>Journal of Climate</i> , 2021 , 1-48 | 4.4 | 0 |
| 22 | Creating 1-km long-term (1980-2014) daily average air temperatures over the Tibetan Plateau by integrating eight types of reanalysis and land data assimilation products downscaled with MODIS-estimated temperature lapse rates based on machine learning. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 97, 102295 | 7.3 | 7 |
| 21 | Enhanced scaling effects significantly lower the ability of MODIS normalized difference snow index to estimate fractional and binary snow cover on the Tibetan Plateau. <i>Journal of Hydrology</i> , 2021 , 592, 125795 | 6 | 4 |
| 20 | Assessing the snow cover dynamics and its relationship with different hydro-climatic characteristics in Upper Ganges river basin and its sub-basins. <i>Science of the Total Environment</i> , 2021 , 793, 148648 | 10.2 | 1 |
| 19 | Comparative evaluation of VIIRS daily snow cover product with MODIS for snow detection in China based on ground observations. <i>Science of the Total Environment</i> , 2020 , 724, 138156 | 10.2 | 4 |
| 18 | Recent stepwise sediment flux increase with climate change in the Tuotuo River in the central Tibetan Plateau. <i>Science Bulletin</i> , 2020 , 65, 410-418 | 10.6 | 21 |
| 17 | Ground observed climatology and trend in snow cover phenology across China with consideration of snow-free breaks. <i>Climate Dynamics</i> , 2020 , 55, 2867-2887 | 4.2 | 15 |
| 16 | An Examination of Temperature Trends at High Elevations Across the Tibetan Plateau: The Use of MODIS LST to Understand Patterns of Elevation-Dependent Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 5738-5756 | 4.4 | 46 |
| 15 | Ground-based evaluation of MODIS snow cover product V6 across China: Implications for the selection of NDSI threshold. <i>Science of the Total Environment</i> , 2019 , 651, 2712-2726 | 10.2 | 50 |
| 14 | Regional differences of lake evolution across China during 1960s-2015 and its natural and anthropogenic causes. <i>Remote Sensing of Environment</i> , 2019 , 221, 386-404 | 13.2 | 140 |
| 13 | Daily air temperature estimation on glacier surfaces in the Tibetan Plateau using MODIS LST data. <i>Journal of Glaciology</i> , 2018 , 64, 132-147 | 3.4 | 16 |
| 12 | How Accurately Can the Air Temperature Lapse Rate Over the Tibetan Plateau Be Estimated From MODIS LSTs?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3943-3960 | 4.4 | 16 |
| 11 | Spatiotemporal variations of suspended sediment transport in the upstream and midstream of the Yarlung Tsangpo River (the upper Brahmaputra), China. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 432-443 | 3.7 | 19 |
| 10 | Generation of High Mountain Precipitation and Temperature Data for a Quantitative Assessment of Flow Regime in the Upper Yarkant Basin in the Karakoram. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 8462-8486 | 4.4 | 15 |
| 9 | Intensive precipitation observation greatly improves hydrological modelling of the poorly gauged high mountain Mabengnong catchment in the Tibetan Plateau. <i>Journal of Hydrology</i> , 2018 , 556, 500-509 ⁶ | | 10 |

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| 8 | Lake volume and groundwater storage variations in Tibetan Plateau's endorheic basin. <i>Geophysical Research Letters</i> , 2017 , 44, 5550-5560 | 4.9 | 201 |
| 7 | Extensive and drastically different alpine lake changes on Asia's high plateaus during the past four decades. <i>Geophysical Research Letters</i> , 2017 , 44, 252-260 | 4.9 | 141 |
| 6 | Evaluation of cloud effects on air temperature estimation using MODIS LST based on ground measurements over the Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13681-13696 | 6.8 | 27 |
| 5 | . <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 2171-2180 | 8.1 | 55 |
| 4 | Estimating daily air temperatures over the Tibetan Plateau by dynamically integrating MODIS LST data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 11,425-11,441 | 4.4 | 54 |
| 3 | Environmental and biophysical controls on the evapotranspiration over the highest alpine steppe. <i>Journal of Hydrology</i> , 2015 , 529, 980-992 | 6 | 56 |
| 2 | Snow cover and runoff modelling in a high mountain catchment with scarce data: effects of temperature and precipitation parameters. <i>Hydrological Processes</i> , 2015 , 29, 52-65 | 3.3 | 41 |
| 1 | Influence of river channel geometry in stream flow modelling and guidelines for field investigation. <i>Hydrological Processes</i> , 2014 , 28, 2630-2638 | 3.3 | 1 |