Huiru Jiang

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Education

2021	Ph.D., hydrology and water resources, Sichuan University, China
2015	B.S., hydrology and water resources, Sichuan University, China
2018-2020	Visiting Ph.D. student, Gothenburg University, Sweden

Working experience

05, 2023-present	Postdoc, Tongji University
01, 2022-04, 2023	Lecture, Kunming University of Science and Technology
09, 2021-12, 2021	Research assistant, Sichuan University

Research Interest

Permafrost; Cold-region hydrology; Numerical modeling; Remote Sensing

Publications

1. **Jiang, H.**, Yi, Y., Xu, J., Chen, D., Lu, F., Li, R., ... & Zhou, B. (2023). Characterizing precipitation uncertainties in a high-altitudinal permafrost watershed of the Tibetan plateau based on regional water balance and hydrological model simulations. *Journal of Hydrology: Regional Studies*, *47*, 101445.
2. **Jiang, H.**, Zheng, G., Yi, Y., Chen, D., Zhang, W., Yang, K., & Miller, C. E. (2020). Progress and challenges in studying regional permafrost in the Tibetan Plateau using satellite remote sensing and models. *Frontiers in Earth Science, 8*, 560403.
3. **Jiang, H.**, Yi, Y., Zhang, W., Yang, K., & Chen, D. (2020). Sensitivity of soil freeze/thaw dynamics to environmental conditions at different spatial scales in the central Tibetan Plateau. *Science of The Total Environment, 734*, 139261.
4. **Jiang, H.**, Zhang, W., Yi, Y., Yang, K., Li, G., & Wang, G. (2018). The impacts of soil freeze/thaw dynamics on soil water transfer and spring phenology in the Tibetan Plateau. *Arctic, antarctic, and alpine research*, *50*(1), e1439155.
5. Liu, Li, Yi, Y., **Jiang, H.**, Ran, Y., Chen, D. ERA5-Land overestimates runoff coefficient but underestimates runoff recession rate in the central Tibetan permafrost region. *Journal of Hydrology: Regional studies,* in press.
6. Guo, L., Shi, Y., & **Jiang, H.** (2022). Comparison of impact and water vapor characteristics between two types of floods in Eastern China. *Environmental Research Letters, 17*(2), 024039.

Research Projects

1. The Shanghai Pujiang Program, 2023-2025, PI