

Academic Staff Resume

Name: Mingzhong Xiao

Title: Post Doctor

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Academic Qualification:

Ph.D. in Sun Yat-Sen University, Physical Geography

Master in Sun Yat-Sen University, Hydrology and Water Resources

Bachelor in Sun Yat-Sen University, Hydrology and Water Resources Engineering

Teaching Area

Research Area

Hydrological and Meteorological Coupling Research

Change in the occurrence of flood and drought disaster

Working Experience

2016-, Post Doctor, Hohai University

2019-, Post Doctor, Macau University of Science and Technology

Research Projects

2020-2022, National Natural Science Foundation of China, Drought identification and its spatial evolution analysis based on changes of actual and potential evapotranspiration

2017-2019, China Postdoctoral Science Foundation, Study of the spatial evolution of drought in the Pearl River Basin using the spatio-temporal structure-based approach

Professional Certification and Awards

Professional Society Membership

Academic Publication

Journal Articles:

1. **Xiao, M.** et al., 2020. Stomatal response to decreased relative humidity constrains the acceleration of terrestrial evapotranspiration. Environmental Research Letters. DOI: 10.1088/1748-9326/ab9967
2. **Xiao, M.**, Yu, Z., Cui, Y., 2020. Evaluation and estimation of daily global solar radiation from the estimated direct and diffuse solar radiation. Theoretical and Applied Climatology, 140(3): 983-992.
3. **Xiao, M.**, 2020. Quantifying spatiotemporal influences of climate index on seasonal extreme precipitation based on hierarchical Bayesian method. International Journal of Climatology, 40(6): 3087-3098.

- 4. Xiao, M.,** Yu, Z., Zhu, Y., 2019. Copula-based frequency analysis of drought with identified characteristics in space and time: a case study in Huai River basin, China. *Theoretical and Applied Climatology*, 137(3): 2865-2875.
- 5. Xiao, M.,** Zhang, Q., Singh, V.P., Chen, X.H., 2017. Probabilistic forecasting of seasonal drought behaviors in the Huai River basin, China. *Theoretical and Applied Climatology*, 128(3-4): 667-677.
- 6. Xiao, M.,** Zhang, Q., Singh, V.P., 2017. Spatiotemporal variations of extreme precipitation regimes during 1961–2010 and possible teleconnections with climate indices across China. *International Journal of Climatology*, 37(1): 468-479.
- 7. Xiao, M.,** Zhang, Q., Singh, V.P., Liu, L., 2016. Transitional properties of droughts and related impacts of climate indices in the Pearl River basin, China. *Journal of Hydrology*, 534: 397-406.
- 8. Xiao, M.,** Zhang, Q., Singh, V.P., 2015. Influences of ENSO, NAO, IOD and PDO on seasonal precipitation regimes in the Yangtze River basin, China. *International Journal of Climatology*, 35(12): 3556-3567.
- 9. Xiao, M.,** Zhang, Q., Singh, V.P., Chen, X.H., 2013. Regionalization-based spatiotemporal variations of precipitation regimes across China. *Theoretical and Applied Climatology*, 114(1-2): 203-212.

Books & Book Chapters:

Conference Papers: