



First Name: **Ying** Last Name: **Zhang**

Title: **Postdoc**

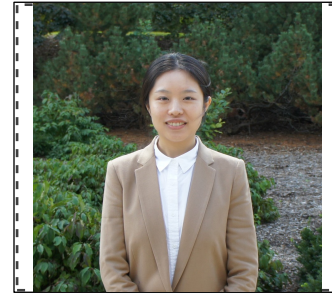
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**Education:**

PhD: **Civil and Environmental Engineering (CEE), University of Wisconsin-Madison**

MS: **CEE, Cornell University**

BS: **Environmental Sciences, Hunan University, China**

**General Areas of Expertise:**

Water resources system engineering

**Short Bio:**

I am a postdoc at Johns Hopkins University since March 2017, working on Food-Energy-Water nexus project (NSF INFEWS) with an application to Ethiopia. My research focuses on using systems-based approaches to guide decision-making in water-related activities to foster benefits and reduce risks.

**Five Representative Publications:**

Zhang, Y., Moges, S., & Block, P. (2017). Does objective cluster analysis serve as a useful precursor to seasonal precipitation prediction at local scale? Application to western Ethiopia. *Hydrology and Earth System Sciences (HESS)*, Accepted.  
Zhang, Y., Moges, S., & Block, P. (2016). Optimal Cluster Analysis for Objective Regionalization of Seasonal Precipitation in Regions of High Spatial–Temporal Variability: Application to Western Ethiopia. *Journal of Climate*, 29(10), 3697-3717.  
Zhang, Y., Erkiyihum, S. T., & Block, P. (2016). Filling the GERD : evaluating hydroclimatic variability and impoundment strategies for Blue Nile riparian countries. *Water International*, 1-18.  
Zhang, Y., Block, P., Hammond, M., & King, A. (2015). Ethiopia's Grand Renaissance Dam: Implications for downstream riparian countries. *Journal of Water Resources Planning and Management*, 141(9), 05015002.  
Zhang, Y., Erkiyihum, S. T., & Block, P. (2017). From projecting hydroclimate variability to filling the GERD: upstream hydropower generation and downstream releases. In Z. Yihdego, A. Rieu-Clarke, & A. E. Cascão (Eds.), *The Grand Ethiopian Renaissance Dam and the Nile Basin: Implications for Transboundary Water Cooperation*. New York, NY: Routledge, Taylor & Francis.

**FEWSTERN Symposium 2017 Presentation Title and Abstract:**

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