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<b>Research</b>	Hydrologic cycle, Climate variability, Land-atmosphere interactions	
<b>Interests</b>	Satellite data analysis and land surface model simulations	
<b>Education</b>	<b>The University of Texas at Austin, Ph.D. Student, Jackson School of Geosciences</b> <i>Supervisor: Dr. Zong-Liang Yang</i>	09/2016- present
	<b>National Taiwan University, M.S. in Atmospheric Sciences</b> <i>Analyzed land water storage and land-atmosphere interactions</i> <i>Supervisor: Dr. Min-Hui Lo</i>	09/2013- 06/2015 09/2009- 08/2013
	<b>National Taiwan University, B.S. in Atmospheric Sciences</b> <i>Defined height of mixing layer over Taiwan with sounding data</i>	
<b>Experience</b>	<b>Graduate Teaching Assistant, UT Austin</b> <i>GEO 302C Climate: Past, Present, Future</i>	01/2018- 05/2018
	<b>Research Summer Intern, IBM T.J. Watson Research Center</b> <i>Environmental Monitoring and Management: The Jefferson Project at Lake George</i>	06/2017-08/2017
	<b>Graduate Research Assistant, UT Austin</b> <i>Developing a framework for predicting river flows on global scales</i>	09/2016- 12/2017
	<b>Research Assistant, National Taiwan University</b> <i>Analyzed land water storage and its impact to sea level changes</i> <i>Quantified climate-driven groundwater changes</i> <i>Supervisor: Dr. Min-Hui Lo</i>	07/2015- 07/2016
	<b>Visiting Student, GFZ German Research Centre for Geosciences</b> <i>Integration of MODIS LAI into the hydrological model</i> <i>Supervisor: Dr. Andreas Güntner and Dr. Martin Wattenbach</i>	07/2014 - 08/2014
	<b>Exchange Student, Humboldt University of Berlin</b> <i>Department of Geography</i>	03/2013- 07/2013
	<b>Visiting Student, UC Irvine</b> <i>Variability in Atmospheric water transport from ocean to land</i> <i>Supervisor: Dr. J. S. Famiglietti</i>	07/2012 - 09/2012
<b>Awards</b>	<b>Dean's Award, College of Science, National Taiwan University</b> <i>Selected as one of the best master thesis</i>	2015
	<b>DAAD/MOST Summer Institute Fellowship</b>	2014

**Journal  
article**

**Wu, W.-Y.**, C.-W. Lan, M.-H. Lo, J. T. Reager, and J. S. Famiglietti (2015), Increases in the annual range of soil water storage at northern middle and high latitudes under global warming. *Geophys. Res. Lett.*, 42, 3903–3910

Yoon, J.-H., S.-Y. Wang, M.-H. Lo, **W.-Y. Wu** (2018), Concurrent increases in wet and dry extremes projected in Texas and combined effects on groundwater. *Environ. Res. Lett.*

**Wu, W.-Y.**, M.-H. Lo, Y. Wada, J. T. Reager, J. S. Famiglietti, P. Yeh, A. Ducharne, and Z.L. Yang (2018), Contrary effects of climate change on future groundwater availability in key mid-latitude aquifers (*under review*)

Zheng, Hui, Z.-L. Yang, P. Lin, J. Wei, **W.-Y. Wu**, L. Li, L. Zhao, S. Wang (2018), On the sensitivity of the precipitation partition into evapotranspiration and runoff in land surface parameterizations (*under review*)

**Books  
Chapters**

Lo, M.-H., J. Famiglietti, J. T. Reager, M. Rodell, S. Swenson, and **W.-Y. Wu** (2016), GRACE-based Estimates of Global Groundwater Depletion, Terrestrial Water Cycle and Climate Change: Natural and Human-Induced Impacts, *AGU Geophysical Monograph Series*

**Selected  
Conference  
Presentations**

**Wu, W.-Y.**, Z.-L. Yang, P. Lin (2018), Towards a Better Understanding of Hydrological Extremes Using an Integrated Hydrological Modeling Framework, *2018 AOGS Annual Meeting (oral talk)*

**Wu, W.-Y.**, Z.-L. Yang, P. Lin, D. Maidment (2018), Assessment of the Simulations of Global-scale River Flows from an Integrated Hydrological Modeling Framework, *2018 AMS Annual Meeting (oral talk)*

**Wu, W.-Y.**, Z.-L. Yang, P. Lin, D. Maidment (2017), Towards Developing a Framework for Predicting River Flows on Global Scales, *Texas Weather Conference*

**Wu, W.-Y.**, M.-H. Lo, Y. Wada, J. Reager, J. S. Famiglietti, P. Yeh, and A. Ducharne (2015), Impacts of Climate Changes on the Future Groundwater Storage, *AGU Fall Meeting*

**Wu, W.-Y.**, C.-W. Lan, M.-H. Lo, J. Reager, and J. Famiglietti (2014), Changes in Soil Water Storage under Global Warming in CMIP5 models, *AGU Fall Meeting*

**Wu, W.-Y.**, M.-H. Lo, J. Famiglietti, J. Reager, and C. De Linage (2013), Trends and Interannual Variability in Terrestrial Water Storage and Atmospheric Water Vapor Transport from GRACE and Multiple Atmospheric Reanalysis Datasets, *EGU General Assembly*