

## Peer-reviewed journal articles

1. **Liping Zhang\***, C. Wang, Z. Song, and S.-K. Lee, 2015: Remote effect of the model cold bias in the tropical North Atlantic on the warm bias in the tropical southeastern Pacific, *J. Adv. Model. Earth Syst.*, 6(4), 1016-1026.
2. X Wang, C Wang, **Liping Zhang** and X Wang, 2015: Multidecadal variability of Tropical Cyclone Rapid Intensification in the Western North Pacific. *J. Climate*, 28, 3806-3820.
3. LD Yi, **Liping Zhang\***, L Wu, 2015: On the mechanisms of decadal variability of the North Pacific Gyre Oscillation over the 20th century, *Journal of geophysical Research Oceans*, 120(9), 6114-6129.
4. ZY Song, HL Liu, CZ Wang, **Liping Zhang**, FL Qiao, 2014: Evaluation of the eastern equatorial Pacific SST seasonal cycle in CMIP5 models, *Ocean Science*, 10(5), 837-843.
5. C. Wang, **Liping Zhang\***, S.-K. Lee, L. Wu and C. R. Mechoso, 2014: A global perspective on climate model biases. *Nature climate Change*, 4, 201-205.
6. Hong, L., **Liping Zhang\***, Z. Chen, and L. Wu, 2014: Linkage between the Pacific Decadal Oscillation and the low frequency variability of the Pacific Subtropical Cell. *J. Geophys. Res. Oceans*, 119, 3464–3477.
7. **Liping Zhang\***, C. Wang and S.-K. Lee, 2014: Potential role of Atlantic warm pool-induced freshwater forcing in the Atlantic meridional overturning circulation: Ocean-sea ice coupled model simulations. *Climate dynamics*, 43, 553-574.
8. **Liping Zhang\***, C. Wang, 2013, Multidecadal North Atlantic Sea surface temperature and Atlantic Meridional overturning circulation variability in CMIP5 historical simulations. *Journal of Geophysical Research: oceans*, 118, 5772-5791.
9. C. Wang, **Liping Zhang\***, Sang-Ki Lee, 2013: Response of Freshwater Flux and Sea Surface Salinity to Variability of the Atlantic Warm Pool. *J. Climate*, 26, 1249–1267.
10. C. Wang, **Liping Zhang\***, 2013: Multidecadal Ocean Temperature and Salinity Variability in the Tropical North Atlantic: Linking with the AMO, AMOC, and Subtropical Cell. *J. Climate*, 26, 6137–6162.
11. **Liping Zhang\***, Lixin Wu, Bolan Gan, 2013: Modes and Mechanisms of Global Water Vapor Variability over the Twentieth Century. *J. Climate*, 26, 5578–5593.
12. **Liping Zhang\***, and C. Wang, 2012: Remote influences on freshwater flux variability in the Atlantic warm pool region. *Geophysical Research Letters*, 39, L19714, doi:10.1029/2012GL053530
13. Lixin Wu, Wenju Cai, **Liping Zhang**, Hisashi Nakamura, Axel Timmermann, Terry Joyce, Michael McPhaden, Michael Alexander, Bo Qiu, Martin Visbeck, Ping Chang, and Benjamin Giese, 2012: Enhanced warming over the global subtropical western boundary currents. *Nature Climate Change*, DOI: 10.1038/NCLIMATE1353.
14. **Liping Zhang**, Lixin Wu, 2012: Can Oceanic Freshwater Flux Amplify Global Warming? *Journal of Climate*, 25, 3417–3430.
15. **Liping Zhang**, Lixin Wu, and Jiaxu Zhang, 2011: Coupled Ocean-Atmosphere Responses to Recent Freshwater Flux Changes over the Kuroshio-Oyashio Extension Region. *Journal of Climate*, 24, 1507-1524.
16. **Liping Zhang**, Lixin Wu, and Jiaxu Zhang, 2011: Simulated Response to Recent Freshwater Flux Change over the Gulf Stream and Its Extension: Coupled Ocean-Atmosphere Adjustment and Atlantic-Pacific Teleconnection. *Journal of Climate*, 24, 3971-3988.
17. **Liping Zhang**, C. Wang and Lixin Wu, 2011: Low-Frequency Modulation of the Atlantic Warm Pool by the Atlantic Multidecadal Oscillation. *Climate Dynamics*, 39, 1661-1671.

18. **Liping Zhang\***, Lixin Wu, and Lisan Yu, 2011: Oceanic Origin of Recent La-Nina Like Warming Trend in the Tropical Pacific, *Advance in Atmospheric Science*, 28, 1-9, AAS20100129.
19. **Liping Zhang\***, Lixin Wu, Xiaopei Lin, and Dexing Wu, 2010: Modes and Mechanisms of Sea Surface Temperature Low-Frequency Variations over the Coastal China Seas. *Journal of Geophysical Research*, 115, doi:10.1029/2009JC006025
20. Lixin Wu, Yan Sun, Jiayu Zhang, **Liping Zhang** and Shoshiro Minobe, 2010: Coupled Ocean–Atmosphere Response to Idealized Freshwater Forcing over the Western Tropical Pacific, *Journal of Climate*, 23, 1945-1954.
21. Chun Li, Lixin Wu, Qi Wang, Liwei Qu and **Liping Zhang**, 2009: An intimate coupling of ocean-atmospheric interaction over the extratropical North Atlantic and Pacific. *Climate dynamics*, 32, 753-765.