

Recent 5-yr publications

(1–13)

1. L. Jia, T. L. Delworth, S. Kapnick, X. Yang, N. C. Johnson, W. Cooke, F. Lu, M. Harrison, A. Rosati, F. Zeng, C. McHugh, A. T. Wittenberg, L. Zhang, H. Murakami, K.-C. Tseng, Skillful Seasonal Prediction of North American Summertime Heat Extremes. *J. Clim.* **35**, 4331–4345 (2022).
2. M. Bushuk, Y. Zhang, M. Winton, B. Hurlin, T. Delworth, F. Lu, L. Jia, L. Zhang, W. Cooke, M. Harrison, N. C. Johnson, S. Kapnick, C. McHugh, H. Murakami, A. Rosati, K.-C. Tseng, A. T. Wittenberg, X. Yang, F. Zeng, Mechanisms of Regional Arctic Sea Ice Predictability in Two Dynamical Seasonal Forecast Systems. *J. Clim.* **35**, 4207–4231 (2022).
3. L. Zhang, T. L. Delworth, S. Kapnick, J. He, W. Cooke, A. T. Wittenberg, N. C. Johnson, A. Rosati, X. Yang, F. Lu, M. Bushuk, C. McHugh, H. Murakami, F. Zeng, L. Jia, K.-C. Tseng, Y. Morioka, Roles of meridional overturning in subpolar Southern Ocean SST trends: Insights from ensemble simulations. *J. Clim.* **35**, 1577–1596 (2022).
4. K.-C. Tseng, N. C. Johnson, S. B. Kapnick, W. Cooke, T. L. Delworth, L. Jia, F. Lu, C. McHugh, H. Murakami, A. J. Rosati, A. T. Wittenberg, X. Yang, F. Zeng, L. Zhang, When will humanity notice its influence on atmospheric rivers? *J. Geophys. Res.* **127** (2022), doi:10.1029/2021jd036044.
5. G. Zhang, H. Murakami, W. F. Cooke, Z. Wang, L. Jia, F. Lu, X. Yang, T. L. Delworth, A. T. Wittenberg, M. J. Harrison, M. Bushuk, C. McHugh, N. C. Johnson, S. B. Kapnick, K.-C. Tseng, L. Zhang, Seasonal predictability of baroclinic wave activity. *npj Climate and Atmospheric Science*. **4**, 1–11 (2021).
6. K.-C. Tseng, N. C. Johnson, S. B. Kapnick, T. L. Delworth, F. Lu, W. Cooke, A. T. Wittenberg, A. J. Rosati, L. Zhang, C. McHugh, X. Yang, M. Harrison, F. Zeng, G. Zhang, H. Murakami, M. Bushuk, L. Jia, Are multiseasonal forecasts of atmospheric rivers possible? *Geophys. Res. Lett.* **48** (2021), doi:10.1029/2021gl094000.
7. M. Bushuk, M. Winton, F. Alexander Haumann, T. Delworth, F. Lu, Y. Zhang, L. Jia, L. Zhang, W. Cooke, M. Harrison, B. Hurlin, N. C. Johnson, S. B. Kapnick, C. McHugh, H. Murakami, A. Rosati, K.-C. Tseng, A. T. Wittenberg, X. Yang, F. Zeng, Seasonal Prediction and Predictability of Regional Antarctic Sea Ice. *J. Clim.* **34**, 6207–6233 (2021).
8. Y. L. Chen, C. H. Sui, C. P. Chang, K. C. Tseng, Effect of the MJO on East Asian winter rainfall as revealed by an SVD analysis. *J. Clim.* (2021) (available at <https://journals.ametsoc.org/view/journals/clim/34/24/JCLI-D-20-0941.1.xml>).

9. K.-C. Tseng, N. C. Johnson, E. D. Maloney, E. A. Barnes, S. B. Kapnick, Mapping large-scale climate variability to hydrological extremes: An application of the linear inverse model to subseasonal prediction. *J. Clim.*, 1–58 (2020).
10. K. C. Tseng, E. Maloney, E. A. Barnes, The Consistency of MJO teleconnection patterns on interannual time scales. *J. Clim.* (2020) (available at <https://journals.ametsoc.org/view/journals/clim/33/9/jcli-d-19-0510.1.xml>).
11. K. C. Tseng, E. A. Barnes, E. Maloney, The importance of past MJO activity in determining the future state of the midlatitude circulation. *J. Clim.* (2020) (available at <https://journals.ametsoc.org/view/journals/clim/33/6/jcli-d-19-0512.1.xml>).
12. K. C. Tseng, E. Maloney, E. Barnes, The consistency of MJO teleconnection patterns: An explanation using linear Rossby wave theory. *J. Clim.* (2019) (available at <https://journals.ametsoc.org/view/journals/clim/32/2/jcli-d-18-0211.1.xml>).
13. K. C. Tseng, E. A. Barnes, Prediction of the midlatitude response to strong Madden-Julian Oscillation events on S2S time scales. *Geophys. Res. Lett.* (2018) (available at <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1002/2017GL075734>).