

## COLA REFEREED PUBLICATIONS 2017

---

2017:

1. Alvez LM, Marengo JA, Fu Rong, **Bombardi RJ** (2017) Sensitivity of Amazon Regional Climate to Deforestation. *American Journal of Climate Change*, DOI: 10.4236/ajcc.2017.61005
2. **Bombardi RJ, Pegion KV, Kinter JL, Cash B, Adams JM** (2017) Sub-seasonal Predictability of the Onset and Demise of the Rainy Season over Monsoonal Regions. *Front. Earth Sci.*, DOI: 10.3389/feart.2017.00014
3. **Burls, N. J., & Fedorov, A. V.** 2017: Wetter subtropics in a warmer world: contrasting past and future hydrological cycles, *PNAS*, Under 2nd Review.
4. **Cash, B., R. Barimalala, J. Kinter, et al.**, 2017: Sampling variability and the changing ENSO-monsoon relationship. *Clim. Dyn.*, 48, 4071-4079
5. **Cash, B.A., J. V. Manganello, J. L. Kinter III** "Evaluation of NMME temperature and precipitation bias and forecast skill for South Asia", *Clim. Dyn.*, doi: 10.1007/s00382-017-3841-4, 2017.
6. **Cash BA, Singh B, Manganello JV**, 2017: Evaluation of NMME temperature and precipitation forecast skill for South Asia. *Cli. Dyn.*, DOI: <https://doi.org/10.1007/s00382-017-3841-4>
7. **Chen, L., P. A. Dirmeyer**, A. Tawfik, and D. M. Lawrence, 2017: Sensitivities of Land Cover-Precipitation Feedback to Convective Triggering. *Journal of Hydrometeorology*, 18, 2265-2283, doi: 10.1175/JHM-D-17-0011.1.
8. **Chen, L. and P. A. Dirmeyer**, 2017: Impacts of Land Use/Land Cover Change on Afternoon Precipitation over North America. *Journal of Climate*, 30, 2121-2140, doi: 10.1175/JCLI-D-16-0589.1.
9. **Colfescu, I. and E. K. Schneider**, 2017: Internal atmospheric noise characteristics in 20th century coupled atmosphere-ocean model simulations. *Climate Dyn.*, 49, 2205-2217, DOI 10.1007/s00382-016-3440-9.
10. Feng, X., **B. Huang**, B.P. Kirtman, **J.L. Kinter**, and L.S. Chiu, 2017: A multi-model analysis of the resolution influence on precipitation climatology in the Gulf Stream region. *Clim. Dyn.*, 48, 1685-1704; doi 10.1007/s00382-016-3167-7
11. Garuba, O. A., and **B. A. Klinger**, 2017: The role of CO<sub>2</sub> induced air-sea fluxes changes in the passive and active Ocean Heat Uptake, sub J Clim
12. Hannachi, A., **D. M. Straus**, S. Corti and T. Woollings, 2017. Nonlinearity and Regime Behavior in the Northern Hemisphere Extra-Tropical Atmosphere: A Review. *Rev. Geophys.*, 55, doi:10.1002/2015RG000509
13. Hazra, A., and **V. Krishnamurthy**, 2017: Seasonality and mechanisms of tropical intraseasonal oscillations. *Clim. Dyn.*, doi: 10.1007/s00382-017-3596-y.
14. Hu, Z.-Z., A. Kumar, **B. Huang**, J. Zhu and H.-L. Ren, 2017: Interdecadal variations of ENSO around 1999/2000. *J. Meteor. Res.*, 31(1), 73–81, doi: 10.1007/s13351-017-6074-x.
15. Hu, Z.-Z., A. Kumar, **B. Huang**, J. Zhu, R.-H. Zhang, and F.-F. Jin, 2017: Asymmetric evolution of El Niño and La Niña: The recharge/discharge

## COLA REFEREED PUBLICATIONS 2017

---

- processes and role of the off-equatorial sea surface high anomaly. *Clim. Dyn.*, 49 (7-8), 2737-2748. DOI: 10.1007/s00382-016-3498-4.
16. Hu, Z.-Z., **B. Huang**, Y.-H. Tseng, W. Wang, A. Kumar, J. Zhu, and B. Jha, 2017: Does vertical temperature gradient of the atmosphere matter for El Niño development? *Clim. Dyn.*, 48, 1413-1429, doi 10.1007/s00382-016-3149-9.
17. Hu, Z.-Z., A. Kumar, B. Jha, J. Zhu, and **B. Huang**, 2017: Persistence and predictions of the remarkable warm anomaly in the northeastern Pacific Ocean during 2014-2016. *J. Climate*, 30, 689-702. doi: <http://dx.doi.org/10.1175/JCLI-D-16-0348.1>
18. Hu, Z.-Z., A. Kumar, J. Zhu, **B. Huang**, Y.-h. Tseng, and X. Wang, 2017: On the shortening of the lead time of ocean warm water volume to ENSO SST since 2000. *Sci. Rep.*, 7: 4294, doi: 10.1038/s41598-017-04566-z.
19. **Huang, B., C.-S. Shin, J. Shukla, L. Marx, M. Balmaseda, S. Halder, P. A. Dirmeyer, and J. L. Kinter III**, 2017: Reforecasting the ENSO events in the past fifty-seven years (1958-2014). *J. Climate*, 30, 7669-7693, doi: 10.1175/JCLI-D-16-0642.1.
20. **Krishnamurthy, V.**, 2017: Predictability of CFSv2 in the tropical Indo-Pacific region at daily and subseasonal time scales. *Clim. Dyn.*, doi:10.1007/s00382-017-3855-y
21. **Krishnamurthy, V.**, and A. Sharma, 2017: Predictability at intraseasonal time scale. *Geophys. Res. Lett.*, 44, doi:10.1002/2017GL074984.
22. Lu, J., K. Sakaguchi, Q. Yang, R. Leung, G. Chen, C. Zhao, **E. Swenson**, and Z. Hou, 2017: Examining the hydrological variations in an aquaplanet world using wave activity transformation. *J. Climate*, 30, 2559-2576, doi: <http://dx.doi.org/10.1175/JCLI-D-16-0561.1>
23. **Manganello, J. V., B. A. Cash**, K. I. Hodges, and **J. L. Kinter III** "Seasonal forecasts of North Atlantic tropical cyclone activity in the North American Multi-Model Ensemble", *Clim. Dyn.*, doi: 10.1007/s00382-017-3670-5, 2017
24. Martinez PP, Reiner RC, Roy M, **Cash BA**, Yunus Md, Faruque ASG, Huq S, King AA, Pascual M, 2017: Cholera forecast for Dhaka, Bangladesh, with the 2016 El Niño. *PLoS One*, <https://doi.org/10.1371/journal.pone.0172355>.
25. Piecuch, C. G., R. M. Ponte, C. M. Little, **M. W. Buckley**, and I. Fukumori (2017), Mechanisms underlying recent decadal changes in subpolar North Atlantic Ocean heat content, *J. Geophys. Res. Oceans*, 122, doi:10.1002/2017JC012845
26. Rowan, E. E., J. Kotcher, J. Walsh-Thomas, P. K. Baldwin, J. Trowbridge, J. T. Thaker, H. J. Witte, **B. A. Klinger**, L. Cohen, C. Tresch, and E. W. Maibach, 2017: Explaining local impacts of climate change: TV meteorologists as climate science educators, in H. D. O'Hair, ed., *Risk and Health Communication in an Evolving Media Environment*, CRC Press, 366 pp.
27. **Shin, C.-S. and B. Huang**, 2017: A spurious warming trend in the NMME equatorial Pacific SST hindcasts. *Clim. Dyn.*, published online, DOI 10.1007/s00382-017-3777-8.
28. **Shukla, R. P., B. Huang, L Marx, J. L. Kinter, C.-S. Shin**, 2017: Predictability

## COLA REFEREED PUBLICATIONS 2017

---

- and Prediction of Indian summer Monsoon by CFSv2: Implication of the Initial Shock Effect. *Clim. Dyn.*, published online, DOI:10.1007/s00382-017-3594-0.
29. Singh B, **Cash BA**, 2017: Evaluation of Indian Monsoon in NMME: Mean and intraseasonal variability. *Cli. Dyn., accepted*
30. **Srivastava, A.** and **T. DelSole**, 2017: Decadal Predictability Without Ocean Dynamics, *Proc. Nat. Aca. Sci.*, 115, 2177-2182.
31. **Stan, C., D. M. Straus**, J. S. Frederiksen, H. Lin, E. D. Maloney, and C. Schumacher, 2017: Review of tropical-extratropical teleconnections on intraseasonal time scales, *Rev. Geophys.*, doi:10.1002/2016RG000538
32. **Straus, D., M.**, F. Molteni, and S. Corti: The Link between Weather and the Large Scale Circulation, in *Nonlinear and Stochastic Climate Dynamics*, Cambridge University Press, 2017, ISBN 9781107118140.
33. Sun, L., B. Shen, B. Sui and **B. Huang**, 2017: The influences of East Asia monsoon on summer precipitation in Northeast China. *Clim. Dyn.*, 48, 1647-1659, doi:10.1007/s00382-016-3165-9.
34. **Swenson, E.**, and **D. M. Straus**, 2017: Rossby Wave Breaking and Transient Eddy Forcing During Euro-Atlantic Circulation Regimes. *J. Atmos. Sci.*, 74, 1735-1755
35. Xu, K. -M., Z. Li, A. Cheng, P. N. Blossey, and **C. Stan**, 2017: Differences in the hydrological cycle and sensitivity between multiscale modeling frameworks with and without a higher order turbulence closure. *J. Adv. Model. Earth Sys.*, doi:10.1002/2017MS000970
36. Yadav, P. and **D. M. Straus**, 2017: Circulation Response to Fast and Slow MJO Episodes. *Mon. Wea. Rev.*, 145, 1577-1596
37. Zhang, T., **B. Huang**, S. Yang, and **J. L. Kinter**, 2017: Predictable patterns of the atmospheric low-level circulation over the Indo-Pacific region in Project Minerva: seasonal dependence and intra-ensemble variability. Submitted to *J. Climate*.
38. Zhang, T., **B. Huang**, S. Yang, and C. Laohalertchai, 2017: Seasonal dependence of the predictable low-level circulation patterns over the tropical Indo-Pacific domain. *Clim. Dyn.*, published online, doi: 10.1007/s00382-017-3874-8.
39. Zhu, J., A. Kumar, W. Wang, Z.-Z. Hu, **B. Huang**, and M. A. Balmaseda, 2017: Importance of convective parameterization in ENSO predictions. *Geophys. Res. Lett.*, 6334-6342, DOI: 10.1002/2017GL073669.