

PEER REVIEWED PUBLICATIONS

Submitted

- Cook KH, and E.K. Vizy, 2021: Hydrodynamics of regional and seasonal variations in Congo Basin precipitation. Under review *Clim. Dyn.*
- Vizy, E.K., and K.H. Cook, 2021: Distribution of extreme rainfall events and their environmental controls in the West African Sahel. Under review *Clim. Dyn.*

Published

2021

- Cook, K.H., E.K. Vizy, Y. Liu, and W. Liu, 2021: Greenhouse-gas induced warming amplification over the Arabian Peninsula with implications for Ethiopian rainfall. *Clim. Dyn.* <https://doi.org/10.1007/s00382-021-05858-x>

2020

- Cook, K.H., R.G.J. Fitzpatrick, W. Liu, and E.K. Vizy, 2020: Seasonal asymmetry of equatorial East African rainfall projections: Understanding differences between the response of the Long Rains and Short Rains to increased greenhouse gases. *Clim. Dyn.*, 55, 1759-1777. <https://doi.org/10.1007/s00382-020-05350-y>
- Cook, K.H., Y. Liu, and E.K. Vizy, 2020: Congo Basin drying associated with poleward shifts of African thermal lows. *Clim. Dyn.*, 54, 863-883. <https://doi.org/10.1007/s00382-019-05033-3>
- Fitzpatrick R.G.J., D.J. Parker, J.H. Marsham, D.P. Rowell, F.M. Guichard, C.M. Taylor, K.H. Cook, E.K. Vizy, L.S. Jackson, D. Finney, J. Crook, R. Stratton, and S. Tucker, 2020: What drives the intensification of mesoscale convective systems over the West African Sahel under climate change? *J. Climate*, 33, 3151-3172. <https://doi.org/10.1175/JCLI-D-19-0380.1>
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- Liu, W., K.H. Cook, and E.K. Vizy, 2020: Role of the West African westerly jet in the seasonal and diurnal cycles of precipitation over West Africa. *Clim. Dyn.*, 54, 843-861. <https://doi.org/10.1007/s00382-019-05035-1>
- Liu, Y., K.H. Cook, and E.K. Vizy, 2020: Delayed retreat of the summer monsoon over the Indochina peninsula linked to surface warming trends. *Int. J. Climatol.* <https://doi.org/10.1002/joc.6938>
- Vizy, E.K., and K.H. Cook, 2020: Interannual variability of East African rainfall: Role of seasonal transitions of the low-level cross-equatorial flow. *Clim. Dyn.* 54, 4563-4587. <https://doi.org/10.1007/s00382-020-05244-z>

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- Cook, K.H., and E.K. Vizy, 2019: Examining the adjustment of the surface heat balance to SST trends of the tropical and subtropical oceans in atmospheric reanalyses. *Int. J. Climatol.* 1-17. <https://doi.org/10.1002/joc.6330>
- Cook, K.H., and E.K. Vizy, 2019: Contemporary climate change of the African monsoon systems. *Curr. Clim. Change Rep.*, 5, 145 -159. <https://doi.org/10.1007/s40641-019-00130-1>
- Han, F., K.H. Cook, and E.K. Vizy, 2019: Changes in intense rainfall events and drought across Africa in the 21st century. *Clim. Dyn.*, 53, 2757-2777.

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- Cook, K.H., E. K. Vizy, and X. Sun, 2018: Multidecadal-scale adjustment of the ocean mixed layer heat budget in the tropics: Examining ocean reanalyses. *Clim. Dyn.*, 50, 1513-1532. <https://doi.org/10.1007/s00382-017-3703-0>
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