# **Recent Publications**

(Alphabetized by lead author; EMC Federal authors in black boldface, EMC Contractor authors in red boldface; full author affiliations listed in the articles)

### 2022

**Abdolali, A.**, Hesser, T. J., Bryant, M. A., Roland, A., Khalid, A., Smith, J., Ferreira, C., **Mehra, A.**, and Sikiric, M.D. (2022): Wave Attenuation by Vegetation: Model Implementation and Validation Study. *Front. Built Environ.* **8:891612**. <a href="https://www.frontiersin.org/articles/10.3389/fbuil.2022.891612/full">https://www.frontiersin.org/articles/10.3389/fbuil.2022.891612/full</a>

Banes, I. H., W. D. Mayfield, G. Ge, L. F. Sapucci, **J. R. Carley**, L. Nance, 2022: Assessment of the data assimilation framework for the Rapid Refresh Forecast System v0.1 and impacts on forecasts of convective storms. *Geosci. Model Dev.*, **15.** <a href="https://gmd.copernicus.org/preprints/gmd-2021-289/">https://gmd.copernicus.org/preprints/gmd-2021-289/</a>

Cobb, A., Ralph, F. M., **Tallapragada, V.**, Wilson, A. M., Davis, C. A., Monache, L. D., Doyle, J. D., Pappenberger, F., Reynolds, C. A., Subramanian, A., Black, P. G., Cannon, F., Castellano, C., Cordeira, J. M., Haase, J. S., Hecht, C., Kawzenuk, B., Lavers, D. A., Murphy, M. J., Jr., Parrish, J., Rickert, R., Rutz, J. J., Torn, R., **Wu, X.**, & Zheng, M., 2022. Atmospheric River Reconnaissance 2021: A Review, *Weather and Forecasting*, <a href="https://journals.ametsoc.org/view/journals/wefo/aop/WAF-D-21-0164.1.xml">https://journals.ametsoc.org/view/journals/wefo/aop/WAF-D-21-0164.1.xml</a>

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Dowell, D. C., Alexander, C. R., James, E. P., Weygandt, S. S., Benjamin, S. G., **Manikin, G. S.**, **Blake, B. T.**, Brown, J. M., Olson, J. B., Hu, M., Smirnova, T. G., Ladwig, T., Kenyon, J. S., Ahmadov, R., Turner, D. D., Duda, J. D., & Alcott, T. I. (2022). The High-Resolution Rapid Refresh (HRRR): An Hourly Updating Convection-Allowing Forecast Model. Part 1: Motivation and System Description, *Weather and Forecasting*, <a href="https://journals.ametsoc.org/view/journals/wefo/aop/WAF-D-21-0151.1.xml">https://journals.ametsoc.org/view/journals/wefo/aop/WAF-D-21-0151.1.xml</a>

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## 2020

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