# Recent Publications (EMC authors in boldface)

### 2021

**Abdolali, A., Van Der Westhuysen, A., Ma, Z., Mehra, A.,** Roland, A., and Moghimi, S., 2021: Evaluating the accuracy and uncertainty of atmospheric and wave model hindcasts during severe events using model ensembles. *Ocean Dynamics*, **71**, 19 pp. <a href="https://doi.org/10.1007/s10236-020-01426-9">https://doi.org/10.1007/s10236-020-01426-9</a> or <a href="https://rdcu.be/cdfjB">https://rdcu.be/cdfjB</a>

Qian, W.H., **J. Du**, and Y. Ai, 2021: A Review: anomaly-based versus full-field based weather analysis and forecasting. *Bull. Amer. Meteor. Soc*, **102**, DOI: https://doi.org/10.1175/BAMS-D-19-0297.1

### 2020

**Abdolali, A.**, Roland, A., **Van Der Westhuysen, A., Meixner, J., Chawla, A.**, Hesser, T., Smith, J.M. and M. Dutour Sikiric, 2020, Large-scale Hurricane Modeling Using Domain Decomposition Parallelization and Implicit Scheme Implemented in WAVEWATCH III Wave Model, *Coastal Engineering*, **157**, 103656, <a href="https://doi.org/10.1016/j.coastaleng.2020.103656">https://doi.org/10.1016/j.coastaleng.2020.103656</a>

Alaka Jr., G.J., **D. Sheinin, B. Thomas**, L. Gramer, **Z. Zhang, B. Liu, H.-S. Kim and A. Mehra**, 2020: A Hydrodynamical Atmosphere/Ocean Coupled Modeling System for Multiple Tropical Cyclones. *Atmosphere*, **11**, 22 pp. <a href="https://www.mdpi.com/2073-4433/11/8/869/pdf">https://www.mdpi.com/2073-4433/11/8/869/pdf</a>

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**Black, T.**, 2020: A documentation of the NMMB's nesting capabilities and mechanisms. NOAA/NCEP Office Note 503. <a href="https://repository.library.noaa.gov/view/noaa/23887">https://repository.library.noaa.gov/view/noaa/23887</a>

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Dong, J., B. Liu, Z. Zhang, W. Wang, A. Mehra, A.T. Hazelton, H.R. Winterbottom, L. Zhu, K. Wu, C. Zhang, V. Tallapragada, X. Zhang, S. Gopalakrishnan, F. Marks, 2020: The Evaluation of Real-Time Hurricane Analysis and Forecast System (HAFS) Stand-

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