

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)

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. <https://doi.org/10.1007/s10236-020-01426-9> or <https://rdcu.be/cdfjB>

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Wang, W., B. Liu, L. Zhu, Z. Zhang, A. Mehra, and **V. Tallapragada,** 2021: A New Horizontal Mixing-Length Formulation for Numerical Simulations of Tropical Cyclones. *Wea. Forecasting*, **36**, <https://doi.org/10.1175/WAF-D-20-0134.1>

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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, <https://doi.org/10.1016/j.coastaleng.2020.103656>

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Bakhtyar, R., K. Maitaria, P. Velissariou, B. Trimble , H. Mashriqui, S. Moghimi, **A. Abdolali, A.J. Van der Westhuysen, Z. Ma,** T. Flowers (2020), A new 1D/2D Coupled

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

Campos, R. M., **V. Krasnopolsky, J.-H. Alves**, S. G. Penny, 2020: Improving NCEP's global-scale wave ensemble averages using neural networks. *Ocean Modelling*, **149**, May 2020, <https://doi.org/10.1016/j.ocemod.2020.101617>

Cangialosi, J. P., E. Blake, M. DeMaria, A. Penny, A. Latta, E. Rappaport, and **V. Tallapragada**, 2020: Recent Progress in Tropical Cyclone Intensity Forecasting at the National Hurricane Center. *Wea. Forecasting*, **35**, 1913-1922. <https://doi.org/10.1175/WAF-D-20-0059.1>

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