

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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Hazelton, A., **Z. Zhang, B. Liu, J. Dong,** G. Alaka, **W. Wang,** T. Marchok, **A. Mehra,** S. Gopalakrishnan, X. Zhang, M. Bender, **V. Tallapragada,** and F. Marks, 2021: 2019 Atlantic Hurricane Forecasts from The Global-Nested Hurricane Analysis and Forecast System: Composite Statistics and Key Events. *Wea. Forecasting*, **36**, <https://doi.org/10.1175/WAF-D-20-0044.1>

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>

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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. <https://www.mdpi.com/2073-4433/11/8/869/pdf>

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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>

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