

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**, 519-538. <https://doi.org/10.1175/WAF-D-20-0044.1>

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Zheng, M., L. D. Monache, **X. Wu,** F. M. Ralph, B. Cornuelle, **V. Tallapragada,** J. S. Haase, A. M. Wilson, M. Mazloff, A. Subramanian, and F. Cannon, 2021: Data Gaps within Atmospheric Rivers over the Northeastern Pacific. *Bull. Amer. Meteor. Soc.*, **102**(3), E492–E524. <https://doi.org/10.1175/BAMS-D-19-0287.1>

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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>

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>

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 Modeling Approach for a Riverine-Estuarine System under Storm Events: Application to Delaware River Basin, *Journal of Geophysical Research: Oceans*, <https://doi.org/10.1029/2019JC015822>

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