

# 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>

Peters-Lidard, C. D., D. M. Mocko, L. Su, D. P. Lettenmaier, P. Gentile, and **M. Barlage,** 2021: Advances in Land Surface Models and Indicators for Drought Monitoring and Prediction. *Bull. Amer. Meteor. Soc.*, **102**, <https://doi.org/10.1175/BAMS-D-20-0087.1>

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>

Tang, Y., H. Bian, Z. Tao, L. D. Oman, D. Tong, P. Lee, P. C. Campbell, B. Baker, C.-H. Lu, **L. Pan**, **J. Wang**, **J. McQueen**, and **I. Stajner**, 2021: Comparison of chemical lateral boundary conditions for air quality predictions over the contiguous United States during pollutant intrusion events. *Atmospheric Chemistry and Physics*, **21**, 2527-2550. <https://acp.copernicus.org/articles/21/2527/2021/acp-21-2527-2021.html>

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## 2020

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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-Alone Regional (SAR) Model Performance for the 2019 Atlantic Hurricane Season. *Atmosphere* 2020, **11**, 617. <https://doi.org/10.3390/atmos11060617>

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## 2019

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