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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Boukabara, S., **Krasnopolsky, V.**, Penny, S. G., Stewart, J. Q., McGovern, A., Hall, D., Ten Hoeve, J. E., Hickey, J., Allen Huang, H., Williams, J. K., Ide, K., Tissot, P., Haupt, S. E., Casey, K. S., Oza, N., Geer, A. J., Maddy, E. S., & Hoffman, R. N., 2021: Outlook for Exploiting Artificial Intelligence in the Earth and Environmental Sciences, *Bull. Amer. Meteor. Soc.* **102**, E1016-E1032. <https://doi.org/10.1175/BAMS-D-20-0031.1>

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Fan, Y., [**V. Krasnopolsky**](https://journals.ametsoc.org/search?f_0=author&q_0=Vladimir+Krasnopolsky), [H. van den Dool](https://journals.ametsoc.org/search?f_0=author&q_0=Huug+van+den+Dool), [C.-Y. Wu](https://journals.ametsoc.org/search?f_0=author&q_0=Chung-Yu+Wu), and [J. Gottschalck](https://journals.ametsoc.org/search?f_0=author&q_0=Jon+Gottschalck), 2021: Using Artificial Neural Networks to Improve CFS Week 3-4 Precipitation and 2-Meter Air Temperature Forecasts. *Wea. Forecasting*, **36**, <https://doi.org/10.1175/WAF-D-20-0014.1>

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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