

Jacob Carley

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

646
citations

759055

12
h-index

794469

19
g-index

22
all docs

22
docs citations

22
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey of data assimilation methods for convective-scale numerical weather prediction at operational centres. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1218-1256.	1.0	189
2	A Comparison of Multiscale GSI-Based EnKF and 3DVar Data Assimilation Using Radar and Conventional Observations for Midlatitude Convective-Scale Precipitation Forecasts. Monthly Weather Review, 2015, 143, 3087-3108.	0.5	100
3	The Wind Forecast Improvement Project (WFIP): A Public-Private Partnership Addressing Wind Energy Forecast Needs. Bulletin of the American Meteorological Society, 2015, 96, 1699-1718.	1.7	85
4	The Community Leveraged Unified Ensemble (CLUE) in the 2016 NOAA/Hazardous Weather Testbed Spring Forecasting Experiment. Bulletin of the American Meteorological Society, 2018, 99, 1433-1448.	1.7	60
5	Modified NAM Microphysics for Forecasts of Deep Convective Storms. Monthly Weather Review, 2018, 146, 4115-4153.	0.5	32
6	Comparing the Assimilation of Radar Reflectivity Using the Direct GSI-Based Ensemble-Variational (EnVar) and Indirect Cloud Analysis Methods in Convection-Allowing Forecasts over the Continental United States. Monthly Weather Review, 2019, 147, 1655-1678.	0.5	27
7	Systematic Comparison of Convection-Allowing Models during the 2017 NOAA HWT Spring Forecasting Experiment. Weather and Forecasting, 2019, 34, 1395-1416.	0.5	25
8	Assessment of NWP Forecast Models in Simulating Offshore Winds through the Lower Boundary Layer by Measurements from a Ship-Based Scanning Doppler Lidar. Monthly Weather Review, 2017, 145, 4277-4301.	0.5	20
9	Evaluating and Improving NWP Forecast Models for the Future: How the Needs of Offshore Wind Energy Can Point the Way. Bulletin of the American Meteorological Society, 2018, 99, 1155-1176.	1.7	19
10	A Proposed Model-Based Methodology for Feature-Specific Prediction for High-Impact Weather. Weather and Forecasting, 2011, 26, 243-249.	0.5	16
11	A Limited Area Modeling Capability for the Finite-Volume Cubed-Sphere (FV3) Dynamical Core and Comparison With a Global Two-Way Nest. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002483.	1.3	15
12	The POWER Experiment: Impact of Assimilation of a Network of Coastal Wind Profiling Radars on Simulating Offshore Winds in and above the Wind Turbine Layer. Weather and Forecasting, 2016, 31, 1071-1091.	0.5	14
13	An Adaptive Approach for the Calculation of Ensemble Gridpoint Probabilities. Weather and Forecasting, 2018, 33, 1063-1080.	0.5	10
14	Assessing Systematic Impacts of PBL Schemes on Storm Evolution in the NOAA Warn-on-Forecast System. Monthly Weather Review, 2020, 148, 2567-2590.	0.5	10
15	Improvements to the Assimilation of Doppler Radial Winds for Convection-Permitting Forecasts of a Heavy Rain Event. Monthly Weather Review, 2019, 147, 3609-3632.	0.5	8
16	A Quality Assessment of the Real-Time Mesoscale Analysis (RTMA) for Aviation. Weather and Forecasting, 2020, 35, 977-996.	0.5	7
17	Mesoscale Model Evaluation Testbed (MMET): A Resource for Transitioning NWP Innovations from Research to Operations (R2O). Bulletin of the American Meteorological Society, 2016, 97, 2135-2147.	1.7	4
18	Comparing partial and continuously cycling ensemble Kalman filter data assimilation systems for convection-allowing ensemble forecast initialization. Weather and Forecasting, 2021, , .	0.5	3

#	ARTICLE	IF	CITATIONS
19	Variational assimilation of web camera-derived estimates of visibility for Alaska aviation. <i>Experimental Results</i> , 2021, 2, .	0.2	2
20	Overlapping Windows in a Global Hourly Data Assimilation System. <i>Monthly Weather Review</i> , 2022, , .	0.5	0
21	Short-term convection-allowing ensemble precipitation forecast sensitivity to resolution of initial condition perturbations and central initial states. <i>Weather and Forecasting</i> , 2022, , .	0.5	0