Jacob Carley

List of Publications by Year
in descending order

21 papers	646 citations	758635 12 h-index	794141 19 g-index
22 all docs	22 docs citations	22 times ranked	677 citing authors

#	ARTICLE	IF	CITATIONS
1	Overlapping Windows in a Global Hourly Data Assimilation System. Monthly Weather Review, 2022, , .	0.5	0
2	Short-term convection-allowing ensemble precipitation forecast sensitivity to resolution of initial condition perturbations and central initial states. Weather and Forecasting, 2022, , .	0.5	0
3	Variational assimilation of web camera-derived estimates of visibility for Alaska aviation. Experimental Results, 2021, 2, .	0.2	2
4	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
5	Comparing partial and continuously cycling ensemble Kalman filter data assimilation systems for convection-allowing ensemble forecast initialization. Weather and Forecasting, 2021, , .	0.5	3
6	A Quality Assessment of the Real-Time Mesoscale Analysis (RTMA) for Aviation. Weather and Forecasting, 2020, 35, 977-996.	0.5	7
7	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
8	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
9	Systematic Comparison of Convection-Allowing Models during the 2017 NOAA HWT Spring Forecasting Experiment. Weather and Forecasting, 2019, 34, 1395-1416.	0.5	25
10	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
11	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
12	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
13	Modified NAM Microphysics for Forecasts of Deep Convective Storms. Monthly Weather Review, 2018, 146, 4115-4153.	0.5	32
14	An Adaptive Approach for the Calculation of Ensemble Gridpoint Probabilities. Weather and Forecasting, 2018, 33, 1063-1080.	0.5	10
15	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
16	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
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	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

#	Article	IF	Citations
19	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
20	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
21	A Proposed Model-Based Methodology for Feature-Specific Prediction for High-Impact Weather. Weather and Forecasting, 2011, 26, 243-249.	0.5	16