

Neill E Bowler

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,632
citations

394421

19
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	The MOGREPS short-range ensemble prediction system. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 703-722.	2.7	389
2	STEPS: A probabilistic precipitation forecasting scheme which merges an extrapolation nowcast with downscaled NWP. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 2127-2155.	2.7	245
3	Comparison of Hybrid-4D-EnVar and Hybrid-4D-Var Data Assimilation Methods for Global NWP. Monthly Weather Review, 2015, 143, 212-229.	1.4	157
4	The local ETKF and SKEB: Upgrades to the MOGREPS short-range ensemble prediction system. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 767-776.	2.7	131
5	On the Reliability and Calibration of Ensemble Forecasts. Monthly Weather Review, 2009, 137, 1717-1720.	1.4	82
6	Local search for the probabilistic traveling salesman problem: Correction to the 2-p-opt and 1-shift algorithms. European Journal of Operational Research, 2005, 162, 206-219.	5.7	75
7	Comparison of error breeding, singular vectors, random perturbations and ensemble Kalman filter perturbation strategies on a simple model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2006, 58, 538-548.	1.7	65
8	Weight interpolation for efficient data assimilation with the Local Ensemble Transform Kalman Filter. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 251-262.	2.7	56
9	Ensemble transform Kalman filter perturbations for a regional ensemble prediction system. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 757-766.	2.7	46
10	Characterization of the probabilistic traveling salesman problem. Physical Review E, 2003, 68, 036703.	2.1	41
11	Inflation and localization tests in the development of an ensemble of 4D-ensemble variational assimilations. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1280-1302.	2.7	36
12	Accounting for the effect of observation errors on verification of MOGREPS. Meteorological Applications, 2008, 15, 199-205.	2.1	34
13	The effect of improved ensemble covariances on hybrid variational data assimilation. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 785-797.	2.7	32
14	Explicitly Accounting for Observation Error in Categorical Verification of Forecasts. Monthly Weather Review, 2006, 134, 1600-1606.	1.4	31
15	The Benefits of Multianalysis and Poor Man's Ensembles. Monthly Weather Review, 2008, 136, 4113-4129.	1.4	25
16	Tests of different flavours of EnKF on a simple model. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 1505-1519.	2.7	25
17	Improving the use of observations to calibrate ensemble spread. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 467-482.	2.7	21
18	An assessment of GNSS radio occultation data produced by Spire. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 3772-3788.	2.7	21

#	ARTICLE	IF	CITATIONS
19	Off-lattice noise reduction and the ultimate scaling of diffusion-limited aggregation in two dimensions. <i>Physical Review E</i> , 2002, 66, 026109.	2.1	19
20	Use of a stochastic precipitation nowcast scheme for fluvial flood forecasting and warning. <i>Atmospheric Science Letters</i> , 2005, 6, 78-83.	1.9	19
21	Online calibration of the vertical distribution of ensemble spread. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013, 139, 1863-1874.	2.7	17
22	Correction to scaling analysis of diffusion-limited aggregation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 19-25.	2.6	14
23	Computing an ensemble of variational data assimilations using its mean and perturbations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 798-805.	2.7	12
24	On the diagnosis of model error statistics using weak-constraint data assimilation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 1916-1928.	2.7	11
25	Revised GNSS-RO observation uncertainties in the Met Office NWP system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 2274-2296.	2.7	11
26	Stochastic Annealing. <i>Physical Review Letters</i> , 2003, 91, 030201.	7.8	10
27	Off-lattice noise reduced diffusion-limited aggregation in three dimensions. <i>Physical Review E</i> , 2005, 71, 011403.	2.1	7
28	GNSS-RO Sounding in the Troposphere and Stratosphere. , 2022, , 373-395.		0