

Laure Raynaud

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

608
citations

933447

10
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity analysis of the convective-scale AROME model to physical and dynamical parameters. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 920-942.	2.7	2
2	Texture-based classification of high-resolution precipitation forecasts with machine learning methods. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 3014-3028.	2.7	1
3	An evaluation of tropical cyclone forecast in the Southwest Indian Ocean basin with AROME-Indian Ocean convection-permitting numerical weather predicting system. Atmospheric Science Letters, 2020, 21, e950.	1.9	13
4	An evaluation of tropical cyclone forecast in the Southwest Indian Ocean basin with AROME-Indian Ocean convection-permitting numerical weather predicting system. Atmospheric Science Letters, 2020, 21, e950.	1.9	5
5	Dependence of predictability of precipitation in the northwestern Mediterranean coastal region on the strength of synoptic control. Atmospheric Chemistry and Physics, 2020, 20, 15851-15865.	4.9	6
6	Object-based verification metrics applied to the evaluation and weighting of convective-scale precipitation forecasts. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 1992-2008.	2.7	6
7	Clustering and selection of boundary conditions for limited-area ensemble prediction. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2381-2391.	2.7	12
8	Detection of Severe Weather Events in a High-Resolution Ensemble Prediction System Using the Extreme Forecast Index (EFI) and Shift of Tails (SOT). Weather and Forecasting, 2018, 33, 901-908.	1.4	0
9	The impact of horizontal resolution and ensemble size for convective-scale probabilistic forecasts. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 3037-3047.	2.7	48
10	Sensitivity of the AROME ensemble to initial and surface perturbations during HyMeX. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 390-403.	2.7	62
11	Comparison of initial perturbation methods for ensemble prediction at convective scale. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 854-866.	2.7	53
12	Object-oriented processing of CRM precipitation forecasts by stochastic filtering. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2827-2838.	2.7	8
13	Application of a Bayesian weighting for short-range lagged ensemble forecasting at the convective scale. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 459-468.	2.7	10
14	A wavelet-based filtering of ensemble background-error variances. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 316-327.	2.7	5
15	Sampling properties and spatial filtering of ensemble background-error length-scales. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 784-794.	2.7	9
16	Impact of Stochastic Physics in a Convection-Permitting Ensemble. Monthly Weather Review, 2012, 140, 3706-3721.	1.4	155
17	Accounting for model error in the Météo-France ensemble data assimilation system. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 249-262.	2.7	35
18	Heterogeneous filtering of ensemble-based background-error variances. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1589-1598.	2.7	6

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19	Estimating background error variances with the ECMWF Ensemble of Data Assimilations system: some effects of ensemble size and day-to-day variability. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 423-434.	2.7	47
20	An extended specification of flow-dependent background error variances in the Météo-France global 4DVar system. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 607-619.	2.7	38
21	Objective filtering of ensemble-based background error variances. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1177-1199.	2.7	52
22	Spatial averaging of ensemble-based background error variances. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 1003-1014.	2.7	33
23	The similarity-based method: a new object detection method for deterministic and ensemble weather forecasts. Advances in Science and Research, 0, 16, 209-213.	1.0	2