Laure Raynaud

List of Publications by Year
in descending order

23 papers	608 citations	10 h-index (933447)	21 g-index (713466)
23 all docs	23 docs citations	23 times ranked	439 citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Stochastic Physics in a Convection-Permitting Ensemble. Monthly Weather Review, 2012, 140, 3706-3721.	1.4	155
2	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
3	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
4	Objective filtering of ensemble‐based background‐error variances. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1177-1199.	2.7	52
5	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
6	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
7	An extended specification of flow‐dependent background error variances in the Météo‐France global 4D‐Var system. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 607-619.	2.7	38
8	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
9	Spatial averaging of ensemble‐based background‐error variances. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 1003-1014.	2.7	33
10	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
11	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
12	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
13	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
14	Object‐oriented processing of CRM precipitation forecasts by stochastic filtering. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2827-2838.	2.7	8
15	Heterogeneous filtering of ensemble‐based background‐error variances. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1589-1598.	2.7	6
16	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
17	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
18	A wavelet‐based filtering of ensemble background‐error variances. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 316-327.	2.7	5

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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