Cristina Lupu

List of Publications by Year
in descending order

11 papers	10,876 citations	1163117 8 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	10042 citing authors

#	Article	IF	Citations
1	A new gas absorption optical depth parameterisation for RTTOV version 13. Geoscientific Model Development, 2021, 14, 2899-2915.	3.6	5
2	Multi-sensor analyses of the skin temperature for the assimilation of satellite radiances in the European Centre for Medium-Range Weather Forecasts (ECMWF) Integrated Forecasting System (IFS,) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	3
3	The ERA5 global reanalysis. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 1999-2049.	2.7	10,272
4	Satellite and In Situ Observations for Advancing Global Earth Surface Modelling: A Review. Remote Sensing, 2018, 10, 2038.	4.0	95
5	An update on the RTTOV fast radiative transfer model (currently at versionÂ12). Geoscientific Model Development, 2018, 11, 2717-2737.	3.6	294
6	The assimilation of Crossâ€track Infrared Sounder radiances at ECMWF. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 3177-3188.	2.7	45
7	The growing impact of satellite observations sensitive to humidity, cloud and precipitation. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 3189-3206.	2.7	120
8	Adjointâ€based forecast sensitivity applied to observationâ€error variance tuning. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 3157-3165.	2.7	11
9	Assessment of the Impact of Observations on Analyses Derived from Observing System Experiments. Monthly Weather Review, 2012, 140, 245-257.	1.4	11
10	Evaluation of the Impact of Observations on Analyses in 3D- and 4D-Var Based on Information Content. Monthly Weather Review, 2011, 139, 726-737.	1.4	17
11	Observability of Flow-Dependent Structure Functions for Use in Data Assimilation. Monthly Weather Review, 2011, 139, 713-725.	1.4	2