

# Didier Ricard

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,444  
citations

516710

16  
h-index

501196

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the Meso-NH model version 5.4 and its applications. <i>Geoscientific Model Development</i> , 2018, 11, 1929-1969.	3.6	194
2	A numerical study of three catastrophic precipitating events over southern France. I: Numerical framework and synoptic ingredients. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 111-130.	2.7	178
3	A numerical study of three catastrophic precipitating events over southern France. II: Mesoscale triggering and stationarity factors. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 131-145.	2.7	168
4	Storm-Scale Numerical Rainfall Prediction for Five Precipitating Events over France: On the Importance of the Initial Humidity Field. <i>Weather and Forecasting</i> , 2002, 17, 1236-1256.	1.4	146
5	Improvement of the forecast of convective activity from the AROME-France system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 2231-2243.	2.7	131
6	A Climatology of the Mesoscale Environment Associated with Heavily Precipitating Events over a Northwestern Mediterranean Area. <i>Journal of Applied Meteorology and Climatology</i> , 2012, 51, 468-488.	1.5	122
7	Kinetic energy spectra characteristics of two convection-permitting limited-area models AROME and Meso-NH. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013, 139, 1327-1341.	2.7	69
8	Sensitivity of high-resolution idealized simulations of thunderstorms to horizontal resolution and turbulence parametrization. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 433-448.	2.7	66
9	Mediterranean cyclones: current knowledge and open questions on dynamics, prediction, climatology and impacts. <i>Weather and Climate Dynamics</i> , 2022, 3, 173-208.	3.5	61
10	Idealized numerical simulations of quasi-stationary convective systems over the Northwestern Mediterranean complex terrain. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1751-1763.	2.7	49
11	Role of Moist Processes in the Tracks of Idealized Midlatitude Surface Cyclones. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 2979-2996.	1.7	30
12	Point and areal validation of forecast precipitation fields. <i>Meteorological Applications</i> , 2006, 13, 1.	2.1	29
13	Evaluation and Improvement of Turbulence Parameterization inside Deep Convective Clouds at Kilometer-Scale Resolution. <i>Monthly Weather Review</i> , 2017, 145, 3947-3967.	1.4	27
14	Statistical-dynamical downscaling for Mediterranean heavy precipitation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 736-748.	2.7	26
15	Idealized mesoscale numerical study of Mediterranean heavy precipitating convective systems. <i>Meteorology and Atmospheric Physics</i> , 2009, 103, 45-55.	2.0	24
16	Projet Cyprim, partie I : Cyclogenèses et précipitations intenses en région méditerranéenne : origines et caractéristiques. <i>La Météorologie</i> , 2009, 8, 18.	0.5	19
17	Cold conveyor belt jet, sting jet and slantwise circulations in idealized simulations of extratropical cyclones. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 1781-1796.	2.7	16
18	An alternative cell-averaged departure point reconstruction for pointwise semi-Lagrangian transport schemes. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2114-2126.	2.7	15

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19	Fine-scale numerical analysis of the sensitivity of the HyMeX IOP16a heavy precipitating event to the turbulent mixing-length parametrization. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 3122-3135.	2.7	15
20	Evaluation of turbulence parametrizations in convective clouds and their environment based on a large-eddy simulation. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 3195-3217.	2.7	12
21	Overview towards improved understanding of the mechanisms leading to heavy precipitation in the western Mediterranean: lessons learned from HyMeX. Atmospheric Chemistry and Physics, 2021, 21, 17051-17078.	4.9	12
22	Microphysics Impacts on the Warm Conveyor Belt and Ridge Building of the NAWDEX IOP6 Cyclone. Monthly Weather Review, 2021, 149, 3961-3980.	1.4	8
23	Dynamics of the Cloud-Environment Interface and Turbulence Effects in an LES of a Growing Cumulus Congestus. Journals of the Atmospheric Sciences, 2022, 79, 593-619.	1.7	6
24	Six years of electrified convection over the island of Corsica monitored by SAETTA: General trends and anomalously electrified thunderstorms during African dust south flow events. Atmospheric Research, 2022, 275, 106227.	4.1	6
25	The downward transport of momentum to the surface in idealized sting-jet cyclones. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 1801-1821.	2.7	4
26	Projet Cyprim, partie II : Impact du changement climatique sur les événements de pluie intense du bassin méditerranéen. La Météorologie, 2009, 8, 19.	0.5	4
27	La Méditerranée, région témoin de Cyprim à Hymex. Houille Blanche, 2007, 93, 90-96.	0.3	1
28	Modélisation à haute résolution : des pluies intenses dans les Cévennes Le système convectif Des 13 et 14 octobre 1995. La Météorologie, 2005, 8, 28-38.	0.5	1
29	Prix Prud'homme 2003 - Le trophée remis à Didier Ricard. La Météorologie, 2004, 8, 18.	0.5	0
30	Relationship between convection over Central America and the intensity of the jet stream bearing on the 1999 December European storms. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 377-390.	2.7	0
31	Simulation à haute résolution des épisodes convectifs et impacts hydrologiques sur la région Cévennes - Vivarais. Houille Blanche, 2002, 88, 40-45.	0.3	0