Rita M Cardoso

List of Publications by Year
in descending order

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70 papers	3,089 citations	186254 28 h-index	175241 52 g-index
100 all docs	100 docs citations	100 times ranked	3042 citing authors

#	Article	IF	Citations
1	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. Regional Environmental Change, 2020, 20, 1.	2.9	227
2	WRF high resolution dynamical downscaling of ERA-Interim for Portugal. Climate Dynamics, 2012, 39, 2497-2522.	3.8	207
3	A first-of-its-kind multi-model convection permitting ensemble for investigating convective phenomena over Europe and the Mediterranean. Climate Dynamics, 2020, 55, 3-34.	3.8	176
4	Regional climate hindcast simulations within EURO-CORDEX: evaluation of a WRF multi-physics ensemble. Geoscientific Model Development, 2015, 8, 603-618.	3.6	175
5	An intercomparison of a large ensemble of statistical downscaling methods over Europe: Results from the VALUE perfect predictor crossâ€validation experiment. International Journal of Climatology, 2019, 39, 3750-3785.	3.5	164
6	<scp>WRF</scp> high resolution simulation of Iberian mean and extreme precipitation climate. International Journal of Climatology, 2013, 33, 2591-2608.	3.5	126
7	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution, part I: evaluation of precipitation. Climate Dynamics, 2021, 57, 275-302.	3.8	114
8	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution part 2: historical and future simulations of precipitation. Climate Dynamics, 2021, 56, 3581-3602.	3.8	101
9	Observational uncertainty and regional climate model evaluation: A panâ€European perspective. International Journal of Climatology, 2019, 39, 3730-3749.	3.5	98
10	Landâ€atmosphere coupling in EUROâ€CORDEX evaluation experiments. Journal of Geophysical Research D: Atmospheres, 2017, 122, 79-103.	3.3	84
11	Mean and extreme temperatures in a warming climate: EURO CORDEX and WRF regional climate high-resolution projections for Portugal. Climate Dynamics, 2019, 52, 129-157.	3.8	84
12	Future precipitation in Portugal: high-resolution projections using WRF model and EURO-CORDEX multi-model ensembles. Climate Dynamics, 2017, 49, 2503-2530.	3.8	78
13	Uncertainty in gridded precipitation products: Influence of station density, interpolation method and grid resolution. International Journal of Climatology, 2019, 39, 3717-3729.	3.5	71
14	Integrated Analysis of Climate, Soil, Topography and Vegetative Growth in Iberian Viticultural Regions. PLoS ONE, 2014, 9, e108078.	2.5	65
15	Biogeophysical impacts of forestation in Europe: first results from the LUCAS (Land Use and Climate) Tj ETQq1 1 0.784314 rgBT /Ove	7.1	62
16	Western Iberian offshore wind resources: More or less in a global warming climate?. Applied Energy, 2017, 203, 72-90.	10.1	59
17	Observations of downslope winds and rotors in the Falkland Islands. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 329-351.	2.7	57
18	Assessment of the ENSEMBLES regional climate models in the representation of precipitation variability and extremes over Portugal. Journal of Geophysical Research, 2012, 117, .	3.3	54

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19	Climatology of the Iberia coastal low-level wind jet: weather research forecasting model high-resolution results. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 22377.	1.7	54
20	Iberia01: a new gridded dataset of daily precipitation and temperatures over Iberia. Earth System Science Data, 2019, 11, 1947-1956.	9.9	51
21	A simple method to assess the added value using highâ€resolution climate distributions: application to the EUROâ€CORDEX daily precipitation. International Journal of Climatology, 2018, 38, 1484-1498.	3.5	47
22	Moisture recycling in the Iberian Peninsula from a regional climate simulation: Spatiotemporal analysis and impact on the precipitation regime. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5895-5912.	3.3	42
23	Climate change and the Portuguese precipitation: ENSEMBLES regional climate models results. Climate Dynamics, 2015, 45, 1771-1787.	3.8	42
24	Structure and variability of the Oman coastal low-level jet. Tellus, Series A: Dynamic Meteorology and Oceanography, 2015, 67, 25285.	1.7	39
25	Dynamical and statistical downscaling of a global seasonal hindcast in eastern Africa. Climate Services, 2018, 9, 72-85.	2.5	36
26	The Gulf of Cadizâ€“Alboran Sea sub-basin: Model setup, exchange and seasonal variability. Ocean Modelling, 2013, 61, 49-67.	2.4	35
27	Effects of Recent Minimum Temperature and Water Deficit Increases on Pinus pinaster Radial Growth and Wood Density in Southern Portugal. Frontiers in Plant Science, 2016, 7, 1170.	3.6	35
28	Processâ€based evaluation of the VALUE perfect predictor experiment of statistical downscaling methods. International Journal of Climatology, 2019, 39, 3868-3893.	3.5	32
29	The impact of climate change on the Iberian low-level wind jet: EURO-CORDEX regional climate simulation. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 68, 29005.	1.7	31
30	Climatic cooling potential and building cooling demand savings: High resolution spatiotemporal analysis of direct ventilation and evaporative cooling for the Iberian Peninsula. Renewable Energy, 2016, 85, 766-776.	8.9	30
31	High-resolution multi-model projections of onshore wind resources over Portugal under a changing climate. Theoretical and Applied Climatology, 2019, 136, 347-362.	2.8	28
32	The impact of climate change in wheat and barley yields in the Iberian Peninsula. Scientific Reports, 2021, 11, 15484.	3.3	28
33	High resolution projections for the western Iberian coastal low level jet in a changing climate. Climate Dynamics, 2017, 49, 1547-1566.	3.8	27
34	Validation of spatial variability in downscaling results from the VALUE perfect predictor experiment. International Journal of Climatology, 2019, 39, 3819-3845.	3.5	27
35	Probabilistic fire spread forecast as a management tool in an operational setting. SpringerPlus, 2016, 5, 1205.	1.2	26
36	A Global View of Coastal Low-Level Wind Jets Using an Ensemble of Reanalyses. Journal of Climate, 2018, 31, 1525-1546.	3.2	25

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37	The Opposing Effects of Reforestation and Afforestation on the Diurnal Temperature Cycle at the Surface and in the Lowest Atmospheric Model Level in the European Summer. Journal of Climate, 2020, 33, 9159-9179.	3.2	25
38	The impact of climate change on the global coastal low-level wind jets: EC-EARTH simulations. Global and Planetary Change, 2016, 137, 88-106.	3.5	23
39	Challenges to link climate change data provision and user needs: Perspective from the COSTâ€action VALUE. International Journal of Climatology, 2019, 39, 3704-3716.	3.5	23
40	On the year-to-year changes of the Iberian Poleward Current. Journal of Geophysical Research: Oceans, 2015, 120, 4980-4999.	2.6	22
41	The unprecedented 2014 Legionnairesâ€™ disease outbreak in Portugal: atmospheric driving mechanisms. International Journal of Biometeorology, 2018, 62, 1167-1179.	3.0	20
42	Spatial and temporal variability of the Iberian Peninsula coastal lowâ€level jet. International Journal of Climatology, 2018, 38, 1605-1622.	3.5	19
43	Inter-annual variability and long term predictability of exchanges through the Strait of Gibraltar. Global and Planetary Change, 2014, 114, 23-37.	3.5	18
44	Landâ€Atmosphere Coupling Regimes in a Future Climate in Africa: From Model Evaluation to Projections Based on CORDEXâ€Africa. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11118-11142.	3.3	18
45	Impact of climate change on building cooling potential of direct ventilation and evaporative cooling: A high resolution view for the Iberian Peninsula. Energy and Buildings, 2019, 192, 31-44.	6.7	16
46	Is there added value in the <scp>EUROâ€CORDEX</scp> hindcast temperature simulations? Assessing the added value using climate distributions in Europe. International Journal of Climatology, 2022, 42, 4024-4039.	3.5	16
47	Landâ€Atmosphere Coupling in CORDEXâ€Africa: Hindcast Regional Climate Simulations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,048.	3.3	15
48	Evaluation of the EUROâ€CORDEX Regional Climate Models Over the Iberian Peninsula: Observational Uncertainty Analysis. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032880.	3.3	15
49	Future precipitation in a Mediterranean island and streamflow changes for a small basin using EURO-CORDEX regional climate simulations and the SWAT model. Journal of Hydrology, 2021, 603, 127025.	5.4	15
50	Assessing the climate change impact on the North African offshore surface wind and coastal low-level jet using coupled and uncoupled regional climate simulations. Climate Dynamics, 2019, 52, 7111-7132.	3.8	14
51	A Climatological Analysis of the Benguela Coastal Lowâ€Level Jet. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3960-3978.	3.3	14
52	Added value of EURO-CORDEX high-resolution downscaling over the Iberian Peninsula revisited â€“ Part 1: Precipitation. Geoscientific Model Development, 2022, 15, 2635-2652.	3.6	14
53	The summer diurnal cycle of coastal cloudiness over west Iberia using Meteosat/SEVIRI and a WRF regional climate model simulation. International Journal of Climatology, 2016, 36, 1755-1772.	3.5	13
54	Using high-resolution simulated climate projections in forest process-based modelling. Agricultural and Forest Meteorology, 2018, 263, 100-106.	4.8	13

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55	Internal variability versus multiâ€physics uncertainty in a regional climate model. International Journal of Climatology, 2021, 41, E656.	3.5	13
56	The present and future offshore wind resource in the Southwestern African region. Climate Dynamics, 2021, 56, 1371-1388.	3.8	13
57	Added value of EURO-CORDEX high-resolution downscaling over the Iberian Peninsula revisited â€“ Part 2: Max and min temperature. Geoscientific Model Development, 2022, 15, 2653-2671.	3.6	13
58	Mapping the suitability of groundwater-dependent vegetation in a semi-arid Mediterranean area. Hydrology and Earth System Sciences, 2019, 23, 3525-3552.	4.9	12
59	How Will a Warming Climate Affect the Benguela Coastal Lowâ€Level Wind Jet?. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5010-5028.	3.3	9
60	The North African coastal low level wind jet: a high resolution view. Climate Dynamics, 2019, 53, 1211-1230.	3.8	9
61	A high-resolution view of the recent drought trends over the Iberian Peninsula. Weather and Climate Extremes, 2021, 32, 100320.	4.1	9
62	An Analysis of Fog in the Mainland Portuguese International Airports. Atmosphere, 2020, 11, 1239.	2.3	8
63	Afforestation impact on soil temperature in regional climate model simulations over Europe. Geoscientific Model Development, 2022, 15, 595-616.	3.6	5
64	Landâ€“atmosphere interactions in sub-polar and alpine climates in the CORDEX Flagship Pilot Study Land Use and Climate Across Scales (LUCAS) models â€“ Part 2: The role of changing vegetation. Cryosphere, 2022, 16, 1383-1397.	3.9	5
65	Thermal stratification of Portuguese reservoirs: potential impact of extreme climate scenarios. Journal of Water and Climate Change, 2015, 6, 544-560.	2.9	4
66	Modeling reservoir surface temperatures for regional and global climate models: a multi-model study on the inflow and level variation effects. Geoscientific Model Development, 2022, 15, 173-197.	3.6	4
67	Asymptotic gravity wave drag expressions for non-hydrostatic rotating flow over a ridge. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 271-276.	2.7	3
68	Landâ€“atmosphere interactions in sub-polar and alpine climates in the CORDEX flagship pilot study Land Use and Climate Across Scales (LUCAS) modelsÂâ€“ PartÂ1: Evaluation of the snow-albedo effect. Cryosphere, 2022, 16, 2403-2419.	3.9	3
69	Comparison and Validation of WRF Model Physics Parameterizations Over the Domain of Greece. Springer Atmospheric Sciences, 2017, , 55-61.	0.3	2
70	Evaluation of the performance of a dynamic wave climate ensemble simulated using with <scp>EUROâ€CORDEX</scp> winds in the Black Sea and Sea of Azov. International Journal of Climatology, 2022, 42, 8345-8367.	3.5	2