Julien Cattiaux

List of Publications by Year
in descending order

40	2,722	279798 23	289244 40
papers	citations	h-index	g-index

41	41	41	4141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ReNovRisk: a multidisciplinary programme to study the cyclonic risks in the South-West Indian Ocean. Natural Hazards, 2021, 107, 1191-1223.	3.4	9
2	Impact of Tropical Cyclones on Inhabited Areas of the SWIO Basin at Present and Future Horizons. Part 1: Overview and Observing Component of the Research Project RENOVRISK-CYCLONE. Atmosphere, 2021, 12, 544.	2.3	16
3	Impact of Tropical Cyclones on Inhabited Areas of the SWIO Basin at Present and Future Horizons. Part 2: Modeling Component of the Research Program RENOVRISK-CYCLONE. Atmosphere, 2021, 12, 689.	2.3	5
4	Tracking Changes in Climate Sensitivity in CNRM Climate Models. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002190.	3.8	7
5	AMOC and summer sea ice as key drivers of the spread in mid-holocene winter temperature patterns over Europe in PMIP3 models. Global and Planetary Change, 2020, 184, 103055.	3.5	8
6	The CNRM Global Atmosphere Model ARPEGEâ€Climat 6.3: Description and Evaluation. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002075.	3.8	46
7	Drivers of the Northern Extratropical Eddyâ€Driven Jet Change in CMIP5 and CMIP6 Models. Geophysical Research Letters, 2020, 47, e2019GL086695.	4.0	38
8	Projected Changes in the Southern Indian Ocean Cyclone Activity Assessed from High-Resolution Experiments and CMIP5 Models. Journal of Climate, 2020, 33, 4975-4991.	3.2	12
9	Robustness and drivers of the Northern Hemisphere extratropical atmospheric circulation response to a CO$$_2$$-induced warming in CNRM-CM6-1. Climate Dynamics, 2020, 54, 2267-2285.	3.8	5
10	Analyses of the Northern European Summer Heatwave of 2018. Bulletin of the American Meteorological Society, 2020, 101, S35-S40.	3.3	44
11	Describing the Relationship between a Weather Event and Climate Change: A New Statistical Approach. Journal of Climate, 2020, 33, 6297-6314.	3.2	13
12	The Polar Stratosphere as an Arbiter of the Projected Tropical Versus Polar Tug of War. Geophysical Research Letters, 2019, 46, 9261-9270.	4.0	6
13	Fastâ€Forward to Perturbed Equilibrium Climate. Geophysical Research Letters, 2019, 46, 8969-8975.	4.0	8
14	Evaluation of CMIP6 DECK Experiments With CNRMâ€CM6â€1. Journal of Advances in Modeling Earth Systems, 2019, 11, 2177-2213.	3.8	494
15	Trends of atmospheric circulation during singular hot days in Europe. Environmental Research Letters, 2018, 13, 054007.	5.2	21
16	Defining Single Extreme Weather Events in a Climate Perspective. Bulletin of the American Meteorological Society, 2018, 99, 1557-1568.	3.3	42
17	Projected squeezing of the wintertime North-Atlantic jet. Environmental Research Letters, 2018, 13, 074016.	5.2	29
18	Recent Trends in the Recurrence of North Atlantic Atmospheric Circulation Patterns. Complexity, 2018, 2018, 1-8.	1.6	8

#	Article	IF	Citations
19	Changes in North American Atmospheric Circulation and Extreme Weather: Influence of Arctic Amplification and Northern Hemisphere Snow Cover. Journal of Climate, 2017, 30, 4317-4333.	3.2	71
20	Respective roles of direct GHG radiative forcing and induced Arctic sea ice loss on the Northern Hemisphere atmospheric circulation. Climate Dynamics, 2017, 49, 3693-3713.	3.8	77
21	Late Twenty-First-Century Changes in the Midlatitude Atmospheric Circulation in the CESM Large Ensemble. Journal of Climate, 2017, 30, 5943-5960.	3.2	39
22	Sinuosity of midlatitude atmospheric flow in a warming world. Geophysical Research Letters, 2016, 43, 8259-8268.	4.0	74
23	Disruption of the European climate seasonal clock in a warming world. Nature Climate Change, 2016, 6, 589-594.	18.8	47
24	Midlatitude daily summer temperatures reshaped by soil moisture under climate change. Geophysical Research Letters, 2016, 43, 812-818.	4.0	35
25	How does large-scale nudging in a regional climate model contribute to improving the simulation of weather regimes and seasonal extremes over North America?. Climate Dynamics, 2016, 46, 929-948.	3.8	6
26	Comparison of hidden and observed regime-switching autoregressive models for (<i>u</i>,â€‰<i>v</i>)-components of wind fields in the northeastern Atlantic. Advances in Statistical Climatology, Meteorology and Oceanography, 2016, 2, 1-16.	0.9	16
27	Projected increase in diurnal and interdiurnal variations of European summer temperatures. Geophysical Research Letters, 2015, 42, 899-907.	4.0	39
28	Changes of western European heat wave characteristics projected by the CMIP5 ensemble. Climate Dynamics, 2015, 45, 1601-1616.	3.8	100
29	European temperatures in CMIP5: origins of present-day biases and future uncertainties. Climate Dynamics, 2013, 41, 2889-2907.	3.8	157
30	Climate variability and trends in downscaled high-resolution simulations and projections over Metropolitan France. Climate Dynamics, 2013, 41, 1419-1437.	3.8	22
31	Evaluation and response of winter cold spells over Western Europe in CMIP5 models. Climate Dynamics, 2013, 41, 3025-3037.	3.8	28
32	North-Atlantic dynamics and European temperature extremes in the IPSL model: sensitivity to atmospheric resolution. Climate Dynamics, 2013, 40, 2293-2310.	3.8	21
33	Towards a better understanding of changes in wintertime cold extremes over Europe: a pilot study with CNRM and IPSL atmospheric models. Climate Dynamics, 2013, 40, 2433-2445.	3.8	32
34	Opposite CMIP3/CMIP5 trends in the wintertime Northern Annular Mode explained by combined local sea ice and remote tropical influences. Geophysical Research Letters, 2013, 40, 3682-3687.	4.0	63
35	Dynamics of future seasonal temperature trends and extremes in Europe: a multi-model analysis from CMIP3. Climate Dynamics, 2012, 38, 1949-1964.	3.8	43
36	European cold winter 2009-2010: How unusual in the instrumental record and how reproducible in the ARPEGE-Climat model?. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	35

#	Article	IF	Citations
37	North-Atlantic SST amplified recent wintertime European land temperature extremes and trends. Climate Dynamics, 2011, 36, 2113-2128.	3.8	23
38	Northern Hemisphere atmospheric stilling partly attributed to an increase in surface roughness. Nature Geoscience, 2010, 3, 756-761.	12.9	581
39	Winter 2010 in Europe: A cold extreme in a warming climate. Geophysical Research Letters, 2010, 37, .	4.0	379
40	Origins of the extremely warm European fall of 2006. Geophysical Research Letters, 2009, 36, .	4.0	23