Martin Leduc

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3159756/publications.pdf

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23	905	759233 12	677142 22
papers	citations	h-index	g-index

32	32	32	1245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Challenging some tenets of Regional Climate Modelling. Meteorology and Atmospheric Physics, 2008, 100, 3-22.	2.0	184
2	Regional climate model sensitivity to domain size. Climate Dynamics, 2009, 32, 833-854.	3.8	137
3	ESD Reviews: Model dependence in multi-model climate ensembles: weighting, sub-selection and out-of-sample testing. Earth System Dynamics, 2019, 10, 91-105.	7.1	92
4	The ClimEx Project: A 50-Member Ensemble of Climate Change Projections at 12-km Resolution over Europe and Northeastern North America with the Canadian Regional Climate Model (CRCM5). Journal of Applied Meteorology and Climatology, 2019, 58, 663-693.	1.5	80
5	Assessing natural variability in RCM signals: comparison of a multi model EURO-CORDEX ensemble with a 50-member single model large ensemble. Climate Dynamics, 2019, 53, 1963-1979.	3.8	62
6	Regional estimates of the transient climate response to cumulative CO2 emissions. Nature Climate Change, 2016, 6, 474-478.	18.8	61
7	Is Institutional Democracy a Good Proxy for Model Independence?. Journal of Climate, 2016, 29, 8301-8316.	3.2	45
8	Quantifying the Limits of a Linear Temperature Response to Cumulative CO2 Emissions. Journal of Climate, 2015, 28, 9955-9968.	3.2	37
9	Considerations of Domain Size and Large-Scale Driving for Nested Regional Climate Models: Impact on Internal Variability and Ability at Developing Small-Scale Details. , 2012, , 181-199.		31
10	Hot Spots and Climate Trends of Meteorological Droughts in Europeâ€“Assessing the Percent of Normal Index in a Single-Model Initial-Condition Large Ensemble. Frontiers in Water, 2021, 3, .	2.3	23
11	Sensitivity to domain size of mid-latitude summer simulations with a regional climate model. Climate Dynamics, 2011, 37, 343-356.	3.8	21
12	Projected Changes in the Probability Distributions, Seasonality, and Spatiotemporal Scaling of Daily and Subdaily Extreme Precipitation Simulated by a 50â€Member Ensemble Over Northeastern North America. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10427-10449.	3.3	21
13	Quantifying Changes in Extreme Weather Events in Response to Warmer Global Temperature. Atmosphere - Ocean, 2015, 53, 412-425.	1.6	18
14	Seasonal climate change patterns due to cumulative CO ₂ emissions. Environmental Research Letters, 2017, 12, 075002.	5.2	16
15	Future shift in winter streamflow modulated by the internal variability of climate in southern Ontario. Hydrology and Earth System Sciences, 2020, 24, 3077-3096.	4.9	14
16	Urban surface effects on current and future climate. Urban Climate, 2018, 24, 121-138.	5.7	13
17	Observed and Simulated Precipitation over Northeastern North America: How Do Daily and Subdaily Extremes Scale in Space and Time?. Journal of Climate, 2019, 32, 8563-8582.	3.2	11
18	Using a nested single-model large ensemble to assess the internal variability of the North Atlantic Oscillation and its climatic implications for central Europe. Earth System Dynamics, 2020, 11, 617-640.	7.1	8

#	Article	IF	Citations
19	Evaluation of the internal variability and estimation of the downscaling ability of the Canadian Regional Climate Model for different domain sizes over the north Atlantic region using the Big-Brother experimental approach. Climate Dynamics, 2011, 36, 1979-2001.	3.8	7
20	Winter hydrometeorological extreme events modulated by large-scale atmospheric circulation in southern Ontario. Earth System Dynamics, 2020, 11, 301-318.	7.1	7
21	Variability in frost occurrence under climate change and consequent risk of damage to trees of western Quebec, Canada. Scientific Reports, 2022, 12, 7220.	3.3	6
22	A computationally efficient method for probabilistic local warming projections constrained by history matching and pattern scaling, demonstrated by WASPâ€“LGRTC-1.0. Geoscientific Model Development, 2020, 13, 5389-5399.	3.6	3
23	Interdecadal variability of streamflow in the Hudson Bay Lowlands watersheds driven by atmospheric circulation. Journal of Hydrology: Regional Studies, 2021, 36, 100868.	2.4	1