

Martin Leduc

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

905
citations

759233

12
h-index

677142

22
g-index

32
all docs

32
docs citations

32
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in frost occurrence under climate change and consequent risk of damage to trees of western Quebec, Canada. <i>Scientific Reports</i> , 2022, 12, 7220.	3.3	6
2	Interdecadal variability of streamflow in the Hudson Bay Lowlands watersheds driven by atmospheric circulation. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100868.	2.4	1
3	Hot Spots and Climate Trends of Meteorological Droughts in Europe—Assessing the Percent of Normal Index in a Single-Model Initial-Condition Large Ensemble. <i>Frontiers in Water</i> , 2021, 3, .	2.3	23
4	Future shift in winter streamflow modulated by the internal variability of climate in southern Ontario. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3077-3096.	4.9	14
5	Winter hydrometeorological extreme events modulated by large-scale atmospheric circulation in southern Ontario. <i>Earth System Dynamics</i> , 2020, 11, 301-318.	7.1	7
6	Using a nested single-model large ensemble to assess the internal variability of the North Atlantic Oscillation and its climatic implications for central Europe. <i>Earth System Dynamics</i> , 2020, 11, 617-640.	7.1	8
7	A computationally efficient method for probabilistic local warming projections constrained by history matching and pattern scaling, demonstrated by WASP—LGRTC-1.0. <i>Geoscientific Model Development</i> , 2020, 13, 5389-5399.	3.6	3
8	Projected Changes in the Probability Distributions, Seasonality, and Spatiotemporal Scaling of Daily and Subdaily Extreme Precipitation Simulated by a 50—Member Ensemble Over Northeastern North America. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10427-10449.	3.3	21
9	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). <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 663-693.	1.5	80
10	Observed and Simulated Precipitation over Northeastern North America: How Do Daily and Subdaily Extremes Scale in Space and Time?. <i>Journal of Climate</i> , 2019, 32, 8563-8582.	3.2	11
11	Assessing natural variability in RCM signals: comparison of a multi model EURO-CORDEX ensemble with a 50-member single model large ensemble. <i>Climate Dynamics</i> , 2019, 53, 1963-1979.	3.8	62
12	ESD Reviews: Model dependence in multi-model climate ensembles: weighting, sub-selection and out-of-sample testing. <i>Earth System Dynamics</i> , 2019, 10, 91-105.	7.1	92
13	Urban surface effects on current and future climate. <i>Urban Climate</i> , 2018, 24, 121-138.	5.7	13
14	Seasonal climate change patterns due to cumulative CO ₂ emissions. <i>Environmental Research Letters</i> , 2017, 12, 075002.	5.2	16
15	Is Institutional Democracy a Good Proxy for Model Independence?. <i>Journal of Climate</i> , 2016, 29, 8301-8316.	3.2	45
16	Regional estimates of the transient climate response to cumulative CO ₂ emissions. <i>Nature Climate Change</i> , 2016, 6, 474-478.	18.8	61
17	Quantifying Changes in Extreme Weather Events in Response to Warmer Global Temperature. <i>Atmosphere - Ocean</i> , 2015, 53, 412-425.	1.6	18
18	Quantifying the Limits of a Linear Temperature Response to Cumulative CO ₂ Emissions. <i>Journal of Climate</i> , 2015, 28, 9955-9968.	3.2	37

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Sensitivity to domain size of mid-latitude summer simulations with a regional climate model. Climate Dynamics, 2011, 37, 343-356.	3.8	21
22	Regional climate model sensitivity to domain size. Climate Dynamics, 2009, 32, 833-854.	3.8	137
23	Challenging some tenets of Regional Climate Modelling. Meteorology and Atmospheric Physics, 2008, 100, 3-22.	2.0	184