

Philippe Gachon

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,109
citations

430843

18
h-index

414395

32
g-index

37
all docs

37
docs citations

37
times ranked

1513
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated regression-based statistical downscaling tool. <i>Environmental Modelling and Software</i> , 2008, 23, 813-834.	4.5	231
2	An assessment of Canadian prairie drought: past, present, and future. <i>Climate Dynamics</i> , 2013, 41, 501-516.	3.8	80
3	An alternative method to characterize the surface urban heat island. <i>International Journal of Biometeorology</i> , 2015, 59, 849-861.	3.0	73
4	Evaluation of daily precipitation statistics and monsoon onset/retreat over western Sahel in multiple data sets. <i>Climate Dynamics</i> , 2015, 45, 1325-1354.	3.8	60
5	Recent and projected future climatic suitability of North America for the Asian tiger mosquito <i>Aedes albopictus</i> . <i>Parasites and Vectors</i> , 2014, 7, 532.	2.5	57
6	Temperature change signals in northern Canada: convergence of statistical downscaling results using two driving GCMs. <i>International Journal of Climatology</i> , 2007, 27, 1623-1641.	3.5	46
7	Predicted Northward Expansion of the Geographic Range of the Tick Vector <i>Amblyomma americanum</i> in North America under Future Climate Conditions. <i>Environmental Health Perspectives</i> , 2019, 127, 107014.	6.0	45
8	On the Remapping Procedure of Daily Precipitation Statistics and Indices Used in Regional Climate Model Evaluation. <i>Journal of Hydrometeorology</i> , 2015, 16, 2301-2310.	1.9	39
9	Evaluation of regional climate model simulations versus gridded observed and regional reanalysis products using a combined weighting scheme. <i>Climate Dynamics</i> , 2012, 38, 1433-1457.	3.8	38
10	Recent trends in selected extreme precipitation indices in Senegal – A changepoint approach. <i>Journal of Hydrology</i> , 2013, 505, 326-334.	5.4	36
11	Which downscaled rainfall data for climate change impact studies in urban areas? Review of current approaches and trends. <i>Theoretical and Applied Climatology</i> , 2017, 127, 685-699.	2.8	34
12	Evaluation of Precipitation Indices over North America from Various Configurations of Regional Climate Models. <i>Atmosphere - Ocean</i> , 2016, 54, 418-439.	1.6	33
13	A statistical approach to multi-site multivariate downscaling of daily extreme temperature series. <i>International Journal of Climatology</i> , 2013, 33, 15-32.	3.5	32
14	A nested multivariate copula approach to hydrometeorological simulations of spring floods: the case of the Richelieu River (Québec, Canada) record flood. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 275-294.	4.0	32
15	Potential impact of climate change on the risk of windthrow in eastern Canada's forests. <i>Climatic Change</i> , 2017, 143, 487-501.	3.6	30
16	Quantitative and qualitative assessment of the impact of climate change on a combined sewer overflow and its receiving water body. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11905-11921.	5.3	27
17	Assessment of the Probability of Autochthonous Transmission of Chikungunya Virus in Canada under Recent and Projected Climate Change. <i>Environmental Health Perspectives</i> , 2017, 125, 067001.	6.0	27
18	CGCM3 predictors used for daily temperature and precipitation downscaling in Southern Québec, Canada. <i>Theoretical and Applied Climatology</i> , 2012, 107, 389-406.	2.8	26

#	ARTICLE	IF	CITATIONS
19	ON THE LINKAGE OF LARGE-SCALE CLIMATE VARIABILITY WITH LOCAL CHARACTERISTICS OF DAILY PRECIPITATION AND TEMPERATURE EXTREMES: AN EVALUATION OF STATISTICAL DOWNSCALING METHODS. , 0, , 1-9.		22
20	Developing a likely climate scenario from multiple regional climate model simulations with an optimal weighting factor. <i>Climate Dynamics</i> , 2014, 43, 11-35.	3.8	17
21	Frequency analysis of seasonal extreme precipitation in southern Quebec (Canada): an evaluation of regional climate model simulation with respect to two gridded datasets. <i>Hydrology Research</i> , 2014, 45, 115-133.	2.7	13
22	Evaluating the Dependence between Temperature and Precipitation to Better Estimate the Risks of Concurrent Extreme Weather Events. <i>Advances in Meteorology</i> , 2020, 2020, 1-16.	1.6	13
23	Assessment of summer extremes and climate variability over the north-east of North America as simulated by the Canadian Regional Climate Model. <i>International Journal of Climatology</i> , 2012, 32, 1615-1627.	3.5	12
24	Atmospheric blocking events in the North Atlantic: trends and links to climate anomalies and teleconnections. <i>Climate Dynamics</i> , 2021, 56, 2199-2221.	3.8	12
25	Inconsistent linear trends in Senegalese rainfall indices from 1950 to 2007. <i>Hydrological Sciences Journal</i> , 2015, 60, 1538-1549.	2.6	11
26	Recent advances in polar low research: current knowledge, challenges and future perspectives. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 73, 1890412.	1.7	11
27	The effects of interactions between surface forcings in the development of a model-simulated polar low in Hudson Bay. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2003, 55, 61-87.	1.7	8
28	The 2011 flood event in the Richelieu River basin: Causes, assessment and damages. <i>Canadian Water Resources Journal</i> , 2016, 41, 129-138.	1.2	7
29	Replication of atmospheric oscillations, and their patterns, in predictors derived from Atmosphere-Ocean Global Climate Model output. <i>International Journal of Climatology</i> , 2011, 31, 1841-1847.	3.5	6
30	Impacts of Model Bias on the Climate Change Signal and Effects of Weighted Ensembles of Regional Climate Model Simulations: A Case Study over Southern Québec, Canada. <i>Advances in Meteorology</i> , 2016, 2016, 1-17.	1.6	6
31	Projected Wind Impact on <i>Abies balsamea</i> (Balsam fir)-Dominated Stands in New Brunswick (Canada) Based on Remote Sensing and Regional Modelling of Climate and Tree Species Distribution. <i>Remote Sensing</i> , 2020, 12, 1177.	4.0	6
32	Zika virus outbreak in Brazil under current and future climate. <i>Epidemics</i> , 2021, 37, 100491.	3.0	6
33	Sensitivity of seasonal precipitation extremes to model configuration of the Canadian Regional Climate Model over eastern Canada using historical simulations. <i>Climate Dynamics</i> , 2014, 43, 2431-2453.	3.8	4
34	Occurrence, durée et intensité des précipitations simulées par deux modèles régionaux canadiens du climat sur la région du Maghreb. <i>Atmosphere - Ocean</i> , 2016, 54, 469-497.	1.6	4
35	Yellow fever virus outbreak in Brazil under current and future climate. <i>Infectious Disease Modelling</i> , 2021, 6, 664-677.	1.9	4
36	A SPATIAL-TEMPORAL DOWNSCALING APPROACH FOR CONSTRUCTION OF INTENSITY-DURATION-FREQUENCY CURVES IN CONSIDERATION OF GCM-BASED CLIMATE CHANGE SCENARIOS. , 0, , 11-21.		1