

Abhishek Gaur

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

426
citations

758635

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752256

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25
all docs

25
docs citations

25
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and modelling of surface Urban Heat Island in 20 Canadian cities under climate and land-cover change. <i>Journal of Environmental Management</i> , 2018, 206, 145-157.	3.8	65
2	Climate Data to Undertake Hygrothermal and Whole Building Simulations Under Projected Climate Change Influences for 11 Canadian Cities. <i>Data</i> , 2019, 4, 72.	1.2	47
3	Durability and Climate Changeâ€™ Implications for Service Life Prediction and the Maintainability of Buildings. <i>Buildings</i> , 2020, 10, 53.	1.4	41
4	Nature-Based Solutions (NBSs) to Mitigate Urban Heat Island (UHI) Effects in Canadian Cities. <i>Buildings</i> , 2022, 12, 925.	1.4	34
5	Future Changes in Flood Hazards across Canada under a Changing Climate. <i>Water (Switzerland)</i> , 2018, 10, 1441.	1.2	30
6	Web-Based Tool for the Development of Intensity Duration Frequency Curves under Changing Climate at Gauged and Ungauged Locations. <i>Water (Switzerland)</i> , 2020, 12, 1243.	1.2	25
7	Towards Reducing Climate Change Impact Assessment Process Uncertainty. <i>Environmental Processes</i> , 2015, 2, 275-290.	1.7	24
8	Exploring the effects that a non-stationary climate and dynamic electricity grid mix has on whole building life cycle assessment: A multi-city comparison. <i>Sustainable Cities and Society</i> , 2020, 61, 102294.	5.1	20
9	Added value of convection permitting climate modelling in urban overheating assessments. <i>Building and Environment</i> , 2022, 207, 108415.	3.0	20
10	Effects of using different urban parametrization schemes and land-cover datasets on the accuracy of WRF model over the City of Ottawa. <i>Urban Climate</i> , 2021, 35, 100737.	2.4	15
11	Evaluating approaches of selecting extreme hot years for assessing building overheating conditions during heatwaves. <i>Energy and Buildings</i> , 2022, 254, 111610.	3.1	15
12	Flooding Related Consequences of Climate Change on Canadian Cities and Flow Regulation Infrastructure. <i>Water (Switzerland)</i> , 2019, 11, 63.	1.2	14
13	Potential future changes in wildfire weather and behavior around 11 Canadian cities. <i>Urban Climate</i> , 2021, 35, 100735.	2.4	13
14	Assessment of future overheating conditions in Canadian cities using a reference year selection method. <i>Building and Environment</i> , 2022, 218, 109102.	3.0	12
15	Application of physical scaling towards downscaling climate model precipitation data. <i>Theoretical and Applied Climatology</i> , 2018, 132, 287-300.	1.3	11
16	Gridded Extreme Precipitation Intensityâ€™Durationâ€™Frequency Estimates for the Canadian Landmass. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 05020006.	0.8	7
17	Future projected changes in moisture index over Canada. <i>Building and Environment</i> , 2021, 199, 107923.	3.0	6
18	Effects of Global Warming on Precipitation Extremes: Dependence on Storm Characteristics. <i>Water Resources Management</i> , 2018, 32, 2639-2648.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Introduction to Physical Scaling. , 2019, , 199-273.		5
20	Climate Data to Support the Adaptation of Buildings to Climate Change in Canada. Data, 2022, 7, 42.	1.2	5
21	Extension of physical scaling method and its application towards downscaling climate model based near surface air temperature. International Journal of Climatology, 2017, 37, 3353-3366.	1.5	4
22	Comparison of the Theoretical Clausius-Clapeyron Scaling and <i>IDF_CC</i> Tool for Updating Intensity-Duration-Frequency Curves under Changing Climatic Conditions in Canada. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	3
23	Development of moisture reference years for assessing long-term mould growth risk of wood-frame building envelopes. Journal of Physics: Conference Series, 2021, 2069, 012015.	0.3	3
24	Projected Changes in the Dynamics of Flood Hazard in the Grand River Basin, Canada. British Journal of Environment and Climate Change, 2015, 5, 37-51.	0.3	2
25	Towards Formulating a National Guideline on the Design of Building Enclosures Subjected to Climate Change in Canada. , 2020, , 97-113.		0