

Xander Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

913

citations

18

h-index

26

g-index

69

ext. papers

1,164

ext. citations

4.9

avg, IF

4.75

L-index

#	Paper	IF	Citations
68	A stepwise cluster analysis approach for downscaled climate projection [A Canadian case study]. <i>Environmental Modelling and Software</i> , 2013 , 49, 141-151	5.2	57
67	High-resolution temperature and precipitation projections over Ontario, Canada: a coupled dynamical-statistical approach. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015 , 141, 1137-1146	6.4	44
66	Impacts of future climate change on river discharge based on hydrological inference: A case study of the Grand River Watershed in Ontario, Canada. <i>Science of the Total Environment</i> , 2016 , 548-549, 198-210	10.2	43
65	Ensemble Projections of Regional Climatic Changes over Ontario, Canada. <i>Journal of Climate</i> , 2015 , 28, 7327-7346	4.4	41
64	Projected increases in intensity and frequency of rainfall extremes through a regional climate modeling approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 13,271-13,286	4.4	39
63	Risk-based electric power system planning for climate change mitigation through multi-stage joint-probabilistic left-hand-side chance-constrained fractional programming: A Canadian case study. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 1056-1067	16.2	36
62	High-Resolution Probabilistic Projections of Temperature Changes over Ontario, Canada. <i>Journal of Climate</i> , 2014 , 27, 5259-5284	4.4	33
61	Future changes in precipitation extremes over China projected by a regional climate model ensemble. <i>Atmospheric Environment</i> , 2018 , 188, 142-156	5.3	33
60	A stepwise-cluster forecasting approach for monthly streamflows based on climate teleconnections. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1557-1569	3.5	32
59	Drought Occurring With Hot Extremes: Changes Under Future Climate Change on Loess Plateau, China. <i>Earth's Future</i> , 2019 , 7, 587-604	7.9	30
58	Probabilistic Prediction for Monthly Streamflow through Coupling Stepwise Cluster Analysis and Quantile Regression Methods. <i>Water Resources Management</i> , 2016 , 30, 5313-5331	3.7	30
57	Urban flood prediction under heavy precipitation. <i>Journal of Hydrology</i> , 2019 , 577, 123984	6	29
56	Development of a Stepwise-Clustered Hydrological Inference Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04015008	1.8	27
55	Violation analysis on two-step method for interval linear programming. <i>Information Sciences</i> , 2014 , 281, 85-96	7.7	26
54	Investigating future precipitation changes over China through a high-resolution regional climate model ensemble. <i>Earth's Future</i> , 2017 , 5, 285-303	7.9	25
53	Projected increases in near-surface air temperature over Ontario, Canada: a regional climate modeling approach. <i>Climate Dynamics</i> , 2015 , 45, 1381-1393	4.2	21
52	A coupled dynamical-copula downscaling approach for temperature projections over the Canadian Prairies. <i>Climate Dynamics</i> , 2018 , 51, 2413-2431	4.2	18

51	High-resolution projections of mean and extreme precipitations over China through PRECIS under RCPs. <i>Climate Dynamics</i> , 2018 , 50, 4037-4060	4.2	18
50	Projected changes in temperature, precipitation, and their extremes over China through the RegCM. <i>Climate Dynamics</i> , 2019 , 53, 5859-5880	4.2	16
49	Dynamically-downscaled probabilistic projections of precipitation changes: A Canadian case study. <i>Environmental Research</i> , 2016 , 148, 86-101	7.9	16
48	Dynamically-downscaled projections of changes in temperature extremes over China. <i>Climate Dynamics</i> , 2018 , 50, 1045-1066	4.2	16
47	Development of PCA-based cluster quantile regression (PCA-CQR) framework for streamflow prediction: Application to the Xiangxi river watershed, China. <i>Applied Soft Computing Journal</i> , 2017 , 51, 280-293	7.5	14
46	Future projections of temperature changes in Ottawa, Canada through stepwise clustered downscaling of multiple GCMs under RCPs. <i>Climate Dynamics</i> , 2019 , 52, 3455-3470	4.2	14
45	A production-emission nexus based stochastic-fuzzy model for identification of urban industry-environment policy under uncertainty. <i>Journal of Cleaner Production</i> , 2017 , 154, 61-82	10.3	13
44	CO emissions patterns of 26 cities in the Yangtze River Delta in 2015: Evidence and implications. <i>Environmental Pollution</i> , 2019 , 252, 1678-1686	9.3	13
43	An open-source software package for multivariate modeling and clustering: applications to air quality management. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 14220-33	5.1	12
42	Future Changes in Precipitation Extremes Over Canada: Driving Factors and Inherent Mechanism. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5783-5803	4.4	12
41	Investigation of Changes in Extreme Temperature and Humidity Over China Through a Dynamical Downscaling Approach. <i>Earth's Future</i> , 2017 , 5, 1136-1155	7.9	11
40	PRECIS-projected increases in temperature and precipitation over Canada. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018 , 144, 588-603	6.4	11
39	A hybrid factorial stepwise-cluster analysis method for streamflow simulation in a case study in northwestern China. <i>Hydrological Sciences Journal</i> , 2016 , 61, 2775-2788	3.5	10
38	Projected changes in wind speed and its energy potential in China using a high-resolution regional climate model. <i>Wind Energy</i> , 2020 , 23, 471-485	3.4	10
37	Hydrologic Impacts of Ensemble-RCM-Projected Climate Changes in the Athabasca River Basin, Canada. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1953-1971	3.7	10
36	An inexact two-stage fractional energy systems planning model. <i>Energy</i> , 2018 , 160, 275-289	7.9	10
35	Improved performance of a PRECIS ensemble in simulating near-surface air temperature over China. <i>Climate Dynamics</i> , 2019 , 52, 6691-6704	4.2	9
34	Evaluating the added values of regional climate modeling over China at different resolutions. <i>Science of the Total Environment</i> , 2020 , 718, 137350	10.2	9

33	Dynamically-downscaled temperature and precipitation changes over Saskatchewan using the PRECIS model. <i>Climate Dynamics</i> , 2018 , 50, 1321-1334	4.2	9
32	Twenty-first century probabilistic projections of precipitation over Ontario, Canada through a regional climate model ensemble. <i>Climate Dynamics</i> , 2016 , 46, 3979-4001	4.2	8
31	Observed regional climatic changes over Ontario, Canada, in response to global warming. <i>Meteorological Applications</i> , 2016 , 23, 140-149	2.1	8
30	Climate warming will not decrease perceived low-temperature extremes in China. <i>Climate Dynamics</i> , 2019 , 52, 5641-5656	4.2	8
29	Spatiotemporal patterns of future temperature and precipitation over China projected by PRECIS under RCPs. <i>Atmospheric Research</i> , 2021 , 249, 105303	5.4	8
28	Contribution of Climate Extremes to Variation in Potato Tuber Yield in Prince Edward Island. <i>Sustainability</i> , 2020 , 12, 4937	3.6	7
27	Probabilistic projections of regional climatic changes over the Great Lakes Basin. <i>Climate Dynamics</i> , 2017 , 49, 2237-2247	4.2	7
26	Robust Fully Fuzzy Programming with Fuzzy Set Ranking Method for Environmental Systems Planning Under Uncertainty. <i>Environmental Engineering Science</i> , 2013 , 30, 280-293	2	7
25	Sorption of Phenanthrene onto Diatomite under the Influences of Solution Chemistry: A Study of Linear Sorption based on Maximal Information Coefficient. <i>Journal of Environmental Informatics</i> ,	3	6
24	Factorial Sensitivity Analysis of Physical Schemes and Their Interactions in RegCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032501	4.4	6
23	Insight into sorption mechanism of phenanthrene onto gemini modified palygorskite through a multi-level fuzzy-factorial inference approach. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016 , 51, 759-68	2.3	6
22	Observed changes in temperature extremes for the Beijing-Tianjin-Hebei region of China. <i>Meteorological Applications</i> , 2017 , 24, 74-83	2.1	5
21	Spatiotemporal Changes of China's Carbon Emissions. <i>Geophysical Research Letters</i> , 2018 , 45, 8536-8546	4.9	5
20	Assessment of climate change impacts on energy capacity planning in Ontario, Canada using high-resolution regional climate model. <i>Journal of Cleaner Production</i> , 2020 , 274, 123026	10.3	5
19	Impacts assessment of air emissions from point sources in Saskatchewan, Canada: A spatial analysis approach. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 304-313	2.5	4
18	An interval mixed-integer non-linear programming model to support regional electric power systems planning with CO2 capture and storage under uncertainty. <i>Environmental Systems Research</i> , 2012 , 1, 1	4.3	4
17	Vine Copula Ensemble Downscaling for Precipitation Projection Over the Loess Plateau Based on High-Resolution Multi-RCM Outputs. <i>Water Resources Research</i> , 2021 , 57,	5.4	4
16	Research and Application of a Data-driven Platform for Sustainable Development of Energy, Economy and Environment 2009 ,		2

15	Application of Artificial Neural Networks to Project Reference Evapotranspiration Under Climate Change Scenarios. <i>Water Resources Management</i> , 2022 , 36, 835	3.7	2
14	Highwater Mark Collection after Post Tropical Storm Dorian and Implications for Prince Edward Island, Canada. <i>Water (Switzerland)</i> , 2021 , 13, 3201	3	2
13	Forecasting daily evapotranspiration using artificial neural networks for sustainable irrigation scheduling. <i>Irrigation Science</i> ,1	3.1	2
12	Ensemble projection of city-level temperature extremes with stepwise cluster analysis. <i>Climate Dynamics</i> , 2021 , 56, 3313-3335	4.2	2
11	Long-Term Projection of Water Cycle Changes over China Using RegCM. <i>Remote Sensing</i> , 2021 , 13, 3832	5	2
10	Mitigation of Greenhouse Gas Emissions from Agricultural Fields through Bioresource Management. <i>Sustainability</i> , 2022 , 14, 5666	3.6	2
9	Projections of daily mean surface temperature over the Beijing-Tianjin-Hebei region through a stepwise cluster downscaling method. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 71-86	3	1
8	2009 ,		1
7	Bayesian model averaging of the RegCM temperature projections: a Canadian case study. <i>Journal of Water and Climate Change</i> ,	2.3	1
6	Environmental Systems Modelling and Analysis under Changing Conditions. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-2	1.1	1
5	Evaluation of the temperature downscaling performance of PRECIS to the BCC-CSM2-MR model over China. <i>Climate Dynamics</i> ,1	4.2	0
4	Flood Management, Characterization and Vulnerability Analysis Using an Integrated RS-GIS and 2D Hydrodynamic Modelling Approach: The Case of Deg Nullah, Pakistan. <i>Remote Sensing</i> , 2022 , 14, 2138	5	0
3	Diagnostic Evaluation and Uncertainty Quantification of Earth and Environmental Systems Models. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-2	1.1	
2	Possibility of Stabilizing the Greenland Ice Sheet. <i>Earth's Future</i> , 2021 , 9, e2021EF002152	7.9	
1	Future climate projections for Eastern Canada. <i>Climate Dynamics</i> ,1	4.2	