Zhong Li

List of Publications by Year
in descending order

57	1,462	236612	344852
papers	citations	25 h-index	36 g-index

58	58	58	1188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A stepwise cluster analysis approach for downscaled climate projection â€“ A Canadian case study. Environmental Modelling and Software, 2013, 49, 141-151.	1.9	80
2	Inexact two-stage stochastic credibility constrained programming for water quality management. Resources, Conservation and Recycling, 2013, 73, 122-132.	5.3	74
3	Comparison of interpolation methods for estimating spatial distribution of precipitation in Ontario, Canada. International Journal of Climatology, 2014, 34, 3745-3751.	1.5	74
4	A random forest model for inflow prediction at wastewater treatment plants. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1781-1792.	1.9	70
5	Hydrologic risk analysis in the Yangtze River basin through coupling Gaussian mixtures into copulas. Advances in Water Resources, 2016, 88, 170-185.	1.7	56
6	Impacts of future climate change on river discharge based on hydrological inference: A case study of the Grand River Watershed in Ontario, Canada. Science of the Total Environment, 2016, 548-549, 198-210.	3.9	52
7	A sustainable water-food-energy plan to confront climatic and socioeconomic changes using simulation-optimization approach. Applied Energy, 2019, 236, 743-759.	5.1	49
8	Hybrid Hydrological Data-Driven Approach for Daily Streamflow Forecasting. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	47
9	Ensemble Projections of Regional Climatic Changes over Ontario, Canada. Journal of Climate, 2015, 28, 7327-7346.	1.2	46
10	Predictive models for wastewater flow forecasting based on time series analysis and artificial neural network. Water Science and Technology, 2019, 80, 243-253.	1.2	45
11	Performance of statistical and machine learning ensembles for daily temperature downscaling. Theoretical and Applied Climatology, 2020, 140, 571-588.	1.3	44
12	Influent Forecasting for Wastewater Treatment Plants in North America. Sustainability, 2019, 11, 1764.	1.6	41
13	Parameter uncertainty and temporal dynamics of sensitivity for hydrologic models: A hybrid sequential data assimilation and probabilistic collocation method. Environmental Modelling and Software, 2016, 86, 30-49.	1.9	39
14	A stepwise-cluster forecasting approach for monthly streamflows based on climate teleconnections. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1557-1569.	1.9	38
15	Development of a Stepwise-Clustered Hydrological Inference Model. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	38
16	Probabilistic Prediction for Monthly Streamflow through Coupling Stepwise Cluster Analysis and Quantile Regression Methods. Water Resources Management, 2016, 30, 5313-5331.	1.9	38
17	Groundwater level prediction using a SOM-aided stepwise cluster inference model. Journal of Environmental Management, 2016, 182, 308-321.	3.8	37
18	Propagation of parameter uncertainty in SWAT: A probabilistic forecasting method based on polynomial chaos expansion and machine learning. Journal of Hydrology, 2020, 586, 124854.	2.3	35

#	Article	IF	Citations
19	A risk-based fuzzy boundary interval two-stage stochastic water resources management programming approach under uncertainty. Journal of Hydrology, 2020, 582, 124553.	2.3	34
20	Bayesian uncertainty analysis in hydrological modeling associated with watershed subdivision level: a case study of SLURP model applied to the Xiangxi River watershed, China. Stochastic Environmental Research and Risk Assessment, 2014, 28, 973-989.	1.9	31
21	Membrane fouling prediction and uncertainty analysis using machine learning: A wastewater treatment plant case study. Journal of Membrane Science, 2022, 660, 120817.	4.1	31
22	A fractional factorial probabilistic collocation method for uncertainty propagation of hydrologic model parameters in a reduced dimensional space. Journal of Hydrology, 2015, 529, 1129-1146.	2.3	30
23	A factorial dual-objective rural environmental management model. Journal of Cleaner Production, 2016, 124, 204-216.	4.6	30
24	A two-stage fuzzy chance-constrained water management model. Environmental Science and Pollution Research, 2017, 24, 12437-12454.	2.7	28
25	Optimal Land Use Management for Soil Erosion Control by Using an Interval-Parameter Fuzzy Two-Stage Stochastic Programming Approach. Environmental Management, 2013, 52, 621-638.	1.2	25
26	Future projections of temperature changes in Ottawa, Canada through stepwise clustered downscaling of multiple GCMs under RCPs. Climate Dynamics, 2019, 52, 3455-3470.	1.7	25
27	Development of PCA-based cluster quantile regression (PCA-CQR) framework for streamflow prediction: Application to the Xiangxi river watershed, China. Applied Soft Computing Journal, 2017, 51, 280-293.	4.1	24
28	Effects of watershed subdivision level on semi-distributed hydrological simulations: case study of the SLURP model applied to the Xiangxi River watershed, China. Hydrological Sciences Journal, 2014, 59, 108-125.	1.2	22
29	Heterogeneous Precipitation and Streamflow Trends in the Xiangxi River Watershed, 1961â€“2010. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1247-1258.	0.8	19
30	Performance of multi-model ensembles for the simulation of temperature variability over Ontario, Canada. Environmental Earth Sciences, 2018, 77, 1.	1.3	19
31	Critical factors and their effects on product maturity in food waste composting. Environmental Monitoring and Assessment, 2015, 187, 217.	1.3	18
32	Hydrologic Impacts of Ensemble-RCM-Projected Climate Changes in the Athabasca River Basin, Canada. Journal of Hydrometeorology, 2018, 19, 1953-1971.	0.7	18
33	Simulation-based interval chance-constrained quadratic programming model for water quality management: A case study of the central Grand River in Ontario, Canada. Environmental Research, 2021, 192, 110206.	3.7	17
34	Efficient and Economical Allocation of Irrigation Water under a Changing Environment: a Stochastic Multiâ€Objective Nonlinear Programming Model*. Irrigation and Drainage, 2021, 70, 103-116.	0.8	17
35	Inexact Optimization Model for Supporting Waste-Load Allocation in the Xiangxi River Basin of the Three Gorges Reservoir Region, China. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	16
36	Development of an interval quadratic programming water quality management model and its solution algorithms. Journal of Cleaner Production, 2020, 249, 119319.	4.6	15

#	Article	IF	Citations
37	Future changes of temperature and heat waves in Ontario, Canada. Theoretical and Applied Climatology, 2018, 132, 1029-1038.	1.3	13
38	Data-driven interval credibility constrained quadratic programming model for water quality management under uncertainty. Journal of Environmental Management, 2021, 293, 112791.	3.8	11
39	A Price-Forecast-Based Irrigation Scheduling Optimization Model under the Response of Fruit Quality and Price to Water. Sustainability, 2019, 11, 2124.	1.6	10
40	A hybrid ensemble modelling framework for the prediction of breakup ice jams on Northern Canadian Rivers. Cold Regions Science and Technology, 2021, 189, 103302.	1.6	10
41	Real-time prediction of river chloride concentration using ensemble learning. Environmental Pollution, 2021, 291, 118116.	3.7	9
42	Global water availability and its distribution under the Coupled Model Intercomparison Project Phase Six scenarios. International Journal of Climatology, 2022, 42, 5748-5767.	1.5	9
43	Factorial fuzzy programming for planning water resources management systems. Journal of Environmental Planning and Management, 2016, 59, 1855-1872.	2.4	8
44	A cloud-based dual-objective nonlinear programming model for irrigation water allocation in Northwest China. Journal of Cleaner Production, 2021, 308, 127330.	4.6	8
45	Uncertainty Analysis for Hydrological Models With Interdependent Parameters: An Improved Polynomial Chaos Expansion Approach. Water Resources Research, 2021, 57, e2020WR029149.	1.7	8
46	Assessing uncertainty propagation in hybrid models for daily streamflow simulation based on arbitrary polynomial chaos expansion. Advances in Water Resources, 2022, 160, 104110.	1.7	8
47	Multi-step ahead prediction of hourly influent characteristics for wastewater treatment plants: a case study from North America. Environmental Monitoring and Assessment, 2022, 194, 389.	1.3	8
48	Nonstationary desertification dynamics of desert oasis under climate change and human interference. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,878.	1.2	7
49	Hydrological Response to Climate and Land Use Changes in the Dryâ€“Warm Valley of the Upper Yangtze River. Engineering, 2022, 19, 24-39.	3.2	5
50	Assessing and predicting the severity of mid-winter breakups based on Canada-wide river ice data. Journal of Hydrology, 2022, 607, 127550.	2.3	5
51	Machine-learning approach for predicting the occurrence and timing of mid-winter ice breakups on canadian rivers. Environmental Modelling and Software, 2022, 152, 105402.	1.9	5
52	Chance-constrained overland flow modeling for improving conceptual distributed hydrologic simulations based on scaling representation of sub-daily rainfall variability. Science of the Total Environment, 2015, 524-525, 8-22.	3.9	4
53	Seismic risk assessment of reinforced masonry structural wall systems using multivariate data analysis. Engineering Structures, 2017, 144, 58-72.	2.6	4
54	Seeking More Cost-Efficient Design Criteria for Infiltration Trenches. Journal of Sustainable Water in the Built Environment, 2021, 7, .	0.9	4

#	Article	IF	Citations
55	Inexact Credibility-Constrained Programming Approach for Electricity Planning in Ontario, Canada. Journal of Energy Engineering - ASCE, 2021, 147, .	1.0	2
56	A Sustainable Land Utilization Pattern for Confirming Integrity of Economic and Ecological Objectives under Uncertainties. Sustainability, 2018, 10, 1307.	1.6	1
57	A Fuzzy Gradient Chance-Constrained Evacuation Model for Managing Risks of Nuclear Power Plants under Multiple Uncertainties. Journal of Environmental Informatics, 0, , .	6.0	1