

Zhong Li

List of Publications by Year in Descending Order

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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.

53
papers

954
citations

21
h-index

28
g-index

58
ext. papers

1,196
ext. citations

5.1
avg, IF

4.91
L-index

#	Paper	IF	Citations
53	Assessing and predicting the severity of mid-winter breakups based on Canada-wide river ice data. <i>Journal of Hydrology</i> , 2022 , 607, 127550	6	0
52	Assessing uncertainty propagation in hybrid models for daily streamflow simulation based on arbitrary polynomial chaos expansion. <i>Advances in Water Resources</i> , 2022 , 160, 104110	4.7	2
51	Multi-step ahead prediction of hourly influent characteristics for wastewater treatment plants: a case study from North America.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 389	3.1	0
50	Machine-learning approach for predicting the occurrence and timing of mid-winter ice breakups on canadian rivers. <i>Environmental Modelling and Software</i> , 2022 , 152, 105402	5.2	0
49	Hydrological response to climate and land use changes in the dry/warm valley of the upper yangtze river. <i>Engineering</i> , 2021 ,	9.7	1
48	A cloud-based dual-objective nonlinear programming model for irrigation water allocation in Northwest China. <i>Journal of Cleaner Production</i> , 2021 , 308, 127330	10.3	5
47	Simulation-based interval chance-constrained quadratic programming model for water quality management: A case study of the central Grand River in Ontario, Canada. <i>Environmental Research</i> , 2021 , 192, 110206	7.9	8
46	Efficient and Economical Allocation of Irrigation Water under a Changing Environment: a Stochastic Multi-Objective Nonlinear Programming Model*. <i>Irrigation and Drainage</i> , 2021 , 70, 103-116	1.1	10
45	Seeking More Cost-Efficient Design Criteria for Infiltration Trenches. <i>Journal of Sustainable Water in the Built Environment</i> , 2021 , 7,	2.4	2
44	Uncertainty Analysis for Hydrological Models With Interdependent Parameters: An Improved Polynomial Chaos Expansion Approach. <i>Water Resources Research</i> , 2021 , 57, e2020WR029149	5.4	2
43	A hybrid ensemble modelling framework for the prediction of breakup ice jams on Northern Canadian Rivers. <i>Cold Regions Science and Technology</i> , 2021 , 189, 103302	3.8	5
42	Data-driven interval credibility constrained quadratic programming model for water quality management under uncertainty. <i>Journal of Environmental Management</i> , 2021 , 293, 112791	7.9	5
41	Real-time prediction of river chloride concentration using ensemble learning. <i>Environmental Pollution</i> , 2021 , 291, 118116	9.3	1
40	Performance of statistical and machine learning ensembles for daily temperature downscaling. <i>Theoretical and Applied Climatology</i> , 2020 , 140, 571-588	3	15
39	Propagation of parameter uncertainty in SWAT: A probabilistic forecasting method based on polynomial chaos expansion and machine learning. <i>Journal of Hydrology</i> , 2020 , 586, 124854	6	12
38	A risk-based fuzzy boundary interval two-stage stochastic water resources management programming approach under uncertainty. <i>Journal of Hydrology</i> , 2020 , 582, 124553	6	21
37	Development of an interval quadratic programming water quality management model and its solution algorithms. <i>Journal of Cleaner Production</i> , 2020 , 249, 119319	10.3	12

36	Hybrid Hydrological Data-Driven Approach for Daily Streamflow Forecasting. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020 , 25, 04019063	1.8	19
35	Predictive models for wastewater flow forecasting based on time series analysis and artificial neural network. <i>Water Science and Technology</i> , 2019 , 80, 243-253	2.2	27
34	A random forest model for inflow prediction at wastewater treatment plants. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 1781-1792	3.5	28
33	Influent Forecasting for Wastewater Treatment Plants in North America. <i>Sustainability</i> , 2019 , 11, 1764	3.6	23
32	A Price-Forecast-Based Irrigation Scheduling Optimization Model under the Response of Fruit Quality and Price to Water. <i>Sustainability</i> , 2019 , 11, 2124	3.6	9
31	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
30	A sustainable water-food-energy plan to confront climatic and socioeconomic changes using simulation-optimization approach. <i>Applied Energy</i> , 2019 , 236, 743-759	10.7	32
29	Future changes of temperature and heat waves in Ontario, Canada. <i>Theoretical and Applied Climatology</i> , 2018 , 132, 1029-1038	3	6
28	Performance of multi-model ensembles for the simulation of temperature variability over Ontario, Canada. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	15
27	A Sustainable Land Utilization Pattern for Confirming Integrity of Economic and Ecological Objectives under Uncertainties. <i>Sustainability</i> , 2018 , 10, 1307	3.6	1
26	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
25	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
24	A two-stage fuzzy chance-constrained water management model. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 12437-12454	5.1	21
23	Seismic risk assessment of reinforced masonry structural wall systems using multivariate data analysis. <i>Engineering Structures</i> , 2017 , 144, 58-72	4.7	4
22	Hydrologic risk analysis in the Yangtze River basin through coupling Gaussian mixtures into copulas. <i>Advances in Water Resources</i> , 2016 , 88, 170-185	4.7	49
21	Factorial fuzzy programming for planning water resources management systems. <i>Journal of Environmental Planning and Management</i> , 2016 , 59, 1855-1872	2.8	6
20	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
19	A factorial dual-objective rural environmental management model. <i>Journal of Cleaner Production</i> , 2016 , 124, 204-216	10.3	27

18	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
17	Parameter uncertainty and temporal dynamics of sensitivity for hydrologic models: A hybrid sequential data assimilation and probabilistic collocation method. <i>Environmental Modelling and Software</i> , 2016 , 86, 30-49	5.2	29
16	Groundwater level prediction using a SOM-aided stepwise cluster inference model. <i>Journal of Environmental Management</i> , 2016 , 182, 308-321	7.9	30
15	Chance-constrained overland flow modeling for improving conceptual distributed hydrologic simulations based on scaling representation of sub-daily rainfall variability. <i>Science of the Total Environment</i> , 2015 , 524-525, 8-22	10.2	4
14	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
13	Critical factors and their effects on product maturity in food waste composting. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 217	3.1	10
12	Development of a Stepwise-Clustered Hydrological Inference Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04015008	1.8	27
11	A fractional factorial probabilistic collocation method for uncertainty propagation of hydrologic model parameters in a reduced dimensional space. <i>Journal of Hydrology</i> , 2015 , 529, 1129-1146	6	24
10	Inexact Optimization Model for Supporting Waste-Load Allocation in the Xiangxi River Basin of the Three Gorges Reservoir Region, China. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014093	5	13
9	Nonstationary desertification dynamics of desert oasis under climate change and human interference. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 11,878	4.4	6
8	Ensemble Projections of Regional Climatic Changes over Ontario, Canada. <i>Journal of Climate</i> , 2015 , 28, 7327-7346	4.4	41
7	Effects of watershed subdivision level on semi-distributed hydrological simulations: case study of the SLURP model applied to the Xiangxi River watershed, China. <i>Hydrological Sciences Journal</i> , 2014 , 59, 108-125	3.5	20
6	Bayesian uncertainty analysis in hydrological modeling associated with watershed subdivision level: a case study of SLURP model applied to the Xiangxi River watershed, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 973-989	3.5	26
5	Comparison of interpolation methods for estimating spatial distribution of precipitation in Ontario, Canada. <i>International Journal of Climatology</i> , 2014 , 34, 3745-3751	3.5	52
4	Heterogeneous Precipitation and Streamflow Trends in the Xiangxi River Watershed, 1961-2010. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 1247-1258	1.8	17
3	Optimal land use management for soil erosion control by using an interval-parameter fuzzy two-stage stochastic programming approach. <i>Environmental Management</i> , 2013 , 52, 621-38	3.1	21
2	Inexact two-stage stochastic credibility constrained programming for water quality management. <i>Resources, Conservation and Recycling</i> , 2013 , 73, 122-132	11.9	63
1	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

