

## List of Publications by Citations

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**Version:** 2024-04-19

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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.

99  
papers

1,857  
citations

27  
h-index

36  
g-index

107  
ext. papers

2,229  
ext. citations

4.9  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
99	A Robust Two-Step Method for Solving Interval Linear Programming Problems within an Environmental Management Context. <i>Journal of Environmental Informatics</i> , <b>2012</b> , 19, 1-9	3	105
98	A stepwise cluster analysis approach for downscaled climate projection – A Canadian case study. <i>Environmental Modelling and Software</i> , <b>2013</b> , 49, 141-151	5.2	57
97	Comparison of interpolation methods for estimating spatial distribution of precipitation in Ontario, Canada. <i>International Journal of Climatology</i> , <b>2014</b> , 34, 3745-3751	3.5	52
96	Maximum entropy-Gumbel-Hougaard copula method for simulation of monthly streamflow in Xiangxi river, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2015</b> , 29, 833-846	3.5	49
95	Hydrologic risk analysis in the Yangtze River basin through coupling Gaussian mixtures into copulas. <i>Advances in Water Resources</i> , <b>2016</b> , 88, 170-185	4.7	49
94	Generalized fuzzy linear programming for decision making under uncertainty: Feasibility of fuzzy solutions and solving approach. <i>Information Sciences</i> , <b>2013</b> , 241, 12-27	7.7	46
93	Crop planning and water resource allocation for sustainable development of an irrigation region in China under multiple uncertainties. <i>Agricultural Water Management</i> , <b>2016</b> , 166, 53-69	5.9	45
92	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> , <b>2016</b> , 548-549, 198-210 <sup>2</sup>	10.2	43
91	A copula-based fuzzy chance-constrained programming model and its application to electric power generation systems planning. <i>Applied Energy</i> , <b>2017</b> , 187, 291-309	10.7	42
90	A copula-based flexible-stochastic programming method for planning regional energy system under multiple uncertainties: A case study of the urban agglomeration of Beijing and Tianjin. <i>Applied Energy</i> , <b>2018</b> , 210, 60-74	10.7	42
89	Bivariate hydrologic risk analysis based on a coupled entropy-copula method for the Xiangxi River in the Three Gorges Reservoir area, China. <i>Theoretical and Applied Climatology</i> , <b>2016</b> , 125, 381-397	3	41
88	Evaluation of remedial options for a benzene-contaminated site through a simulation-based fuzzy-MCDA approach. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 213-214, 421-33	12.8	41
87	A PCM-based stochastic hydrological model for uncertainty quantification in watershed systems. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2015</b> , 29, 915-927	3.5	37
86	Planning water-energy-food nexus system management under multi-level and uncertainty. <i>Journal of Cleaner Production</i> , <b>2020</b> , 251, 119658	10.3	36
85	Planning Water Resources Allocation Under Multiple Uncertainties Through a Generalized Fuzzy Two-Stage Stochastic Programming Method. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 1488-1504	8.3	35
84	Development of a copula-based particle filter (CopPF) approach for hydrologic data assimilation under consideration of parameter interdependence. <i>Water Resources Research</i> , <b>2017</b> , 53, 4850-4875	5.4	33
83	Planning renewable energy in electric power system for sustainable development under uncertainty – A case study of Beijing. <i>Applied Energy</i> , <b>2016</b> , 162, 772-786	10.7	33

82	Water resources management under uncertainty: factorial multi-stage stochastic program with chance constraints. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2016</b> , 30, 945-957	3.5	32
81	A stepwise-cluster forecasting approach for monthly streamflows based on climate teleconnections. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2015</b> , 29, 1557-1569	3.5	32
80	A nonlinear fractional programming approach for environmental-economic power dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 78, 463-469	5.1	32
79	Inexact two-stage stochastic partial programming: application to water resources management under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2012</b> , 26, 281-293	3.5	31
78	Enhanced aqueous solubility of naphthalene and pyrene by binary and ternary Gemini cationic and conventional nonionic surfactants. <i>Chemosphere</i> , <b>2012</b> , 89, 1347-53	8.4	31
77	Planning of municipal solid waste management systems under dual uncertainties: a hybrid interval stochastic programming approach. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2009</b> , 23, 707-720	3.5	31
76	Drought Occurring With Hot Extremes: Changes Under Future Climate Change on Loess Plateau, China. <i>Earth's Future</i> , <b>2019</b> , 7, 587-604	7.9	30
75	Probabilistic Prediction for Monthly Streamflow through Coupling Stepwise Cluster Analysis and Quantile Regression Methods. <i>Water Resources Management</i> , <b>2016</b> , 30, 5313-5331	3.7	30
74	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> , <b>2016</b> , 86, 30-49	5.2	29
73	Analyzing climate change impacts on water resources under uncertainty using an integrated simulation-optimization approach. <i>Journal of Hydrology</i> , <b>2018</b> , 556, 523-538	6	29
72	Development of a Stepwise-Clustered Hydrological Inference Model. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 04015008	1.8	27
71	A Bayesian-based multilevel factorial analysis method for analyzing parameter uncertainty of hydrological model. <i>Journal of Hydrology</i> , <b>2017</b> , 553, 750-762	6	27
70	A simulation-based water-environment management model for regional sustainability in compound wetland ecosystem under multiple uncertainties. <i>Ecological Modelling</i> , <b>2016</b> , 334, 60-77	3	26
69	A coupled ensemble filtering and probabilistic collocation approach for uncertainty quantification of hydrological models. <i>Journal of Hydrology</i> , <b>2015</b> , 530, 255-272	6	26
68	A Hybrid Dynamic Dual Interval Programming for Irrigation Water Allocation under Uncertainty. <i>Water Resources Management</i> , <b>2012</b> , 26, 1183-1200	3.7	26
67	Robust interval linear programming for environmental decision making under uncertainty. <i>Engineering Optimization</i> , <b>2012</b> , 44, 1321-1336	2	26
66	Multivariate flood risk analysis for Wei River. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2017</b> , 31, 225-242	3.5	25
65	A fractional factorial probabilistic collocation method for uncertainty propagation of hydrologic model parameters in a reduced dimensional space. <i>Journal of Hydrology</i> , <b>2015</b> , 529, 1129-1146	6	24

64	Planning regional-scale electric power systems under uncertainty: A case study of Jing-Jin-Ji region, China. <i>Applied Energy</i> , <b>2018</b> , 212, 834-849	10.7	23
63	A generalized fuzzy linear programming approach for environmental management problem under uncertainty. <i>Journal of the Air and Waste Management Association</i> , <b>2012</b> , 62, 72-86	2.4	22
62	A copula-based fuzzy interval-random programming approach for planning water-energy nexus system under uncertainty. <i>Energy</i> , <b>2020</b> , 196, 117063	7.9	21
61	A fuzzy linear programming approach for municipal solid-waste management under uncertainty. <i>Engineering Optimization</i> , <b>2009</b> , 41, 1081-1101	2	21
60	A dynamic model to optimize municipal electric power systems by considering carbon emission trading under uncertainty. <i>Energy</i> , <b>2015</b> , 88, 636-649	7.9	20
59	A linearization and parameterization approach to tri-objective linear programming problems for power generation expansion planning. <i>Energy</i> , <b>2015</b> , 87, 240-250	7.9	19
58	Risk analysis for water resources management under dual uncertainties through factorial analysis and fuzzy random value-at-risk. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2017</b> , 31, 2265-2280	3.5	18
57	Inexact Multistage Fuzzy-Stochastic Programming Model for Water Resources Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2015</b> , 141, 04015027	2.8	18
56	A coupled dynamical-copula downscaling approach for temperature projections over the Canadian Prairies. <i>Climate Dynamics</i> , <b>2018</b> , 51, 2413-2431	4.2	18
55	A copula-based chance-constrained waste management planning method: An application to the city of Regina, Saskatchewan, Canada. <i>Journal of the Air and Waste Management Association</i> , <b>2016</b> , 66, 307-28	2.4	18
54	Inexact fuzzy two-stage programming for water resources management in an environment of fuzziness and randomness. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2012</b> , 26, 261-280	3.5	18
53	Development of integrated approaches for hydrological data assimilation through combination of ensemble Kalman filter and particle filter methods. <i>Journal of Hydrology</i> , <b>2017</b> , 550, 412-426	6	17
52	Inexact Copula-Based Stochastic Programming Method for Water Resources Management under Multiple Uncertainties. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04018069	2.8	17
51	Robust Subsampling ANOVA Methods for Sensitivity Analysis of Water Resource and Environmental Models. <i>Water Resources Management</i> , <b>2020</b> , 34, 3199-3217	3.7	17
50	Factorial Two-Stage Irrigation System Optimization Model. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2016</b> , 142, 04015056	1.1	16
49	A Robust Inexact Joint-optimal Interval Type-2 Fuzzy Boundary Linear Programming (RIJ-IT2FBLP) for energy systems planning under uncertainty. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 56, 19-32	5.1	16
48	Coupling the two-level programming and copula for optimizing energy-water nexus system management – A case study of Henan Province. <i>Journal of Hydrology</i> , <b>2020</b> , 586, 124832	6	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> , <b>2017</b> , 51, 280-293	7.5	14

46	A pseudo-optimal inexact stochastic interval T2 fuzzy sets approach for energy and environmental systems planning under uncertainty: A case study for Xiamen City of China. <i>Applied Energy</i> , <b>2015</b> , 138, 71-90	10.7	13
45	A duality theorem-based algorithm for inexact quadratic programming problems: Application to waste management under uncertainty. <i>Engineering Optimization</i> , <b>2016</b> , 48, 562-581	2	13
44	Solid waste management under uncertainty: a generalized fuzzy linear programming approach. <i>Civil Engineering and Environmental Systems</i> , <b>2014</b> , 31, 331-346	2.1	13
43	A generalized fuzzy chance-constrained energy systems planning model for Guangzhou, China. <i>Energy</i> , <b>2018</b> , 165, 191-204	7.9	13
42	An uncertainty partition approach for inferring interactive hydrologic risks. <i>Hydrology and Earth System Sciences</i> , <b>2020</b> , 24, 4601-4624	5.5	11
41	Examining dynamic interactions among experimental factors influencing hydrologic data assimilation with the ensemble Kalman filter. <i>Journal of Hydrology</i> , <b>2017</b> , 554, 743-757	6	11
40	Hydrologic Impacts of Ensemble-RCM-Projected Climate Changes in the Athabasca River Basin, Canada. <i>Journal of Hydrometeorology</i> , <b>2018</b> , 19, 1953-1971	3.7	10
39	A factorial Bayesian copula framework for partitioning uncertainties in multivariate risk inference. <i>Environmental Research</i> , <b>2020</b> , 183, 109215	7.9	9
38	Optimization of uncertain agricultural management considering the framework of water, energy and food. <i>Agricultural Water Management</i> , <b>2021</b> , 253, 106907	5.9	9
37	An interval joint-probabilistic stochastic flexible programming method for planning municipal-scale energy-water nexus system under uncertainty. <i>Energy Conversion and Management</i> , <b>2020</b> , 208, 112576	10.6	8
36	Modelling Dependence between Traffic Noise and Traffic Flow through An Entropy-Copula Method. <i>Journal of Environmental Informatics</i> ,	3	8
35	Uncertainty Quantification for Multivariate Eco-Hydrological Risk in the Xiangxi River within the Three Gorges Reservoir Area in China. <i>Engineering</i> , <b>2018</b> , 4, 617-626	9.7	8
34	A Fuzzy Simulation-Based Optimization Approach for Groundwater Remediation Design at Contaminated Aquifers. <i>Mathematical Problems in Engineering</i> , <b>2012</b> , 2012, 1-13	1.1	7
33	An Integrated Risk Analysis Method for Planning Water Resource Systems to Support Sustainable Development of An Arid Region. <i>Journal of Environmental Informatics</i> , <b>2017</b> ,	3	7
32	Inexact Fuzzy Stochastic Chance Constraint Programming for Emergency Evacuation in Qinshan Nuclear Power Plant under Uncertainty. <i>Journal of Environmental Informatics</i> , <b>2017</b> ,	3	7
31	Development of a Maximum Entropy-Archimedean Copula-Based Bayesian Network Method for Streamflow Frequency Analysis—A Case Study of the Kaidu River Basin, China. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 42	3	6
30	Future changes of temperature and heat waves in Ontario, Canada. <i>Theoretical and Applied Climatology</i> , <b>2018</b> , 132, 1029-1038	3	6
29	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

28	Multi-preference based interval fuzzy-credibility optimization for planning the management of multiple water resources with multiple water-receiving cities under uncertainty. <i>Journal of Hydrology</i> , <b>2020</b> , 591, 125259	6	6
27	Development of clustered polynomial chaos expansion model for stochastic hydrological prediction. <i>Journal of Hydrology</i> , <b>2021</b> , 595, 126022	6	6
26	An Inventory-Theory-Based Inexact Multistage Stochastic Programming Model for Water Resources Management. <i>Mathematical Problems in Engineering</i> , <b>2013</b> , 2013, 1-15	1.1	5
25	Characterization of noise reduction capabilities of porous materials under various vacuum conditions. <i>Applied Acoustics</i> , <b>2020</b> , 161, 107155	3.1	4
24	Vine Copula Ensemble Downscaling for Precipitation Projection Over the Loess Plateau Based on High-Resolution Multi-RCM Outputs. <i>Water Resources Research</i> , <b>2021</b> , 57,	5.4	4
23	Development of an integrated PCA-SCA-ANOVA framework for assessing multi-factor effects on water flow: A case study of the Aral Sea. <i>Catena</i> , <b>2021</b> , 197, 104954	5.8	4
22	Multi-Indicator Evaluation for Extreme Precipitation Events in the Past 60 Years over the Loess Plateau. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 193	3	3
21	A Fuzzy-Interval Dynamic Optimization Model for Regional Water Resources Allocation under Uncertainty. <i>Sustainability</i> , <b>2022</b> , 14, 1096	3.6	3
20	A multicriteria small modular reactor site selection model under long-term variations of climatic conditions -- A case study for the province of Saskatchewan, Canada. <i>Journal of Cleaner Production</i> , <b>2021</b> , 290, 125651	10.3	3
19	Uncertainty quantification and partition for multivariate risk inferences through a factorial multimodel Bayesian copula (FMBC) system. <i>Journal of Hydrology</i> , <b>2021</b> , 598, 126406	6	3
18	Parameter Uncertainty and Sensitivity Evaluation of Copula-Based Multivariate Hydroclimatic Risk Assessment. <i>Journal of Environmental Informatics</i> ,	3	3
17	Correlation Study of Rainfall and Runoff in Xiangxi River Based on Archimedean Copula Function. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 223, 012055	0.3	2
16	A Semi-Infinite Interval-Stochastic Risk Management Model for River Water Pollution Control under Uncertainty. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 351	3	2
15	Synergetic management of water-energy-food nexus system and GHG emissions under multiple uncertainties: An inexact fractional fuzzy chance constraint programming method. <i>Agricultural Water Management</i> , <b>2021</b> , 262, 107323	5.9	2
14	Inexact fuzzy integer chance constraint programming approach for noise control within an urban environment. <i>Engineering Optimization</i> , <b>2016</b> , 48, 1350-1364	2	2
13	A Nested Ensemble Filtering Approach for Parameter Estimation and Uncertainty Quantification of Traffic Noise Models. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 204	2.6	1
12	A Generalized Fuzzy Integer Programming Approach for Environmental Management under Uncertainty. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-16	1.1	1
11	A multistage scenario-based inexact fuzzy-stochastic chance-constrained programming for water resources management under uncertainty <b>2010</b> ,		1

10	Tracing Uncertainty Contributors in the Multi-Hazard Risk Analysis for Compound Extremes. <i>Earths Future</i> , <b>2021</b> , 9,	7.9	1
9	Collided with COVID-19 pandemic, the 2020 Yangtze flood is exceptionally severe.		1
8	Planning regional-scale water-energy-food nexus system management under uncertainty: An inexact fractional programming method.. <i>Journal of Contaminant Hydrology</i> , <b>2022</b> , 247, 103985	3.9	1
7	An Integrated Simulation, Inference and Optimization Approach for Groundwater Remediation with Two-Stage Health-Risk Assessment. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 694	3	0
6	Multivariate Hydrologic Risk Analysis for River Thames. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 384	3	0
5	Evaluating water-energy-food system of Yellow River basin based on type-2 fuzzy sets and Pressure-State-Response model. <i>Agricultural Water Management</i> , <b>2022</b> , 267, 107607	5.9	0
4	Development of a disaggregated multi-level factorial hydrologic data assimilation model. <i>Journal of Hydrology</i> , <b>2022</b> , 127802	6	0
3	FCVLP: A Fuzzy Random Conditional Value-at-Risk-Based Linear Programming Model for Municipal Solid Waste Management. <i>Climate</i> , <b>2019</b> , 7, 80	3.1	
2	Temporal and Spatial Characteristics of Multidimensional Extreme Precipitation Indicators: A Case Study in the Loess Plateau, China. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1217	3	
1	A Multistage Distribution-Generation Planning Model for Clean Power Generation under Multiple Uncertainties—A Case Study of Urumqi, China. <i>Sustainability</i> , <b>2018</b> , 10, 3263	3.6	