

Hongrui Wang

List of Publications by Citations

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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.

41
papers

276
citations

10
h-index

14
g-index

45
ext. papers

376
ext. citations

3.5
avg, IF

3.83
L-index

#	Paper	IF	Citations
41	An input-output analysis of virtual water uses of the three economic sectors in Beijing. <i>Water International</i> , 2009 , 34, 451-467	2.4	34
40	Modelling bivariate extreme precipitation distribution for data-scarce regions using Gumbel-Hougaard copula with maximum entropy estimation. <i>Hydrological Processes</i> , 2018 , 32, 212-227	3.3	23
39	Sustainable use of water resources in agriculture in Beijing: problems and countermeasures. <i>Water Policy</i> , 2005 , 7, 345-357	1.6	22
38	Seawater desalination in China: an overview. <i>Journal of Water Reuse and Desalination</i> , 2019 , 9, 115-132	2.6	19
37	Evaluation Criteria and Model for Risk Between Water Supply and Water Demand and its Application in Beijing. <i>Water Resources Management</i> , 2014 , 28, 4433-4447	3.7	18
36	Changes in reference evapotranspiration over Northwest China from 1957 to 2018: Variation characteristics, cause analysis and relationships with atmospheric circulation. <i>Agricultural Water Management</i> , 2020 , 231, 105958	5.9	16
35	A new multiple integral model for water shortage risk assessment and its application in Beijing, China. <i>Natural Hazards</i> , 2016 , 80, 43-67	3	12
34	Changes in spatiotemporal drought characteristics over northeast China from 1960 to 2018 based on the modified nested Copula model. <i>Science of the Total Environment</i> , 2020 , 739, 140328	10.2	12
33	Uncertainty analysis of hydrological processes based on ARMA-GARCH model. <i>Science China Technological Sciences</i> , 2012 , 55, 2321-2331	3.5	12
32	Quantifying the Relationship between Drought and Water Scarcity Using Copulas: Case Study of Beijing-Tianjin-Hebei Metropolitan Areas in China. <i>Water (Switzerland)</i> , 2018 , 10, 1622	3	11
31	Exploration of Use of Copulas in Analysing the Relationship between Precipitation and Meteorological Drought in Beijing, China. <i>Advances in Meteorology</i> , 2017 , 2017, 1-11	1.7	10
30	Effects of urbanization on food-energy-water systems in mega-urban regions: a case study of the Bohai MUR, China. <i>Environmental Research Letters</i> , 2020 , 15, 044014	6.2	8
29	Modelling the Hindered Settling Velocity of a Falling Particle in a Particle-Fluid Mixture by the Tsallis Entropy Theory. <i>Entropy</i> , 2019 , 21,	2.8	7
28	Critic period analysis model of hydrological process and its application. <i>Hydrological Processes</i> , 2009 , 23, 1834-1843	3.3	7
27	A new nonlinear risk assessment model based on an improved projection pursuit. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 1465-1478	3.5	6
26	Comprehensive Utilization of Seawater in China: A Description of the Present Situation, Restrictive Factors and Potential Countermeasures. <i>Water (Switzerland)</i> , 2019 , 11, 397	3	5
25	Problems and Countermeasures of River Management in the Process of Rapid Urbanization in China. <i>Water (Switzerland)</i> , 2020 , 12, 2260	3	5

24	An integrated approach for water scarcity evaluation— case study of Yunnan, China. <i>Environment, Development and Sustainability</i> , 2018 , 20, 109-127	4.5	4
23	Development and application of ergodicity model with FRCM and FLAR for hydrological process. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 379-386		4
22	Bayesian networks precipitation model based on hidden Markov analysis and its application. <i>Science China Technological Sciences</i> , 2010 , 53, 539-547	3.5	4
21	Comparison of Conventional Deterministic and Entropy-Based Methods for Predicting Sediment Concentration in Debris Flow. <i>Water (Switzerland)</i> , 2019 , 11, 439	3	4
20	Optimizing Policy for Balanced Industrial Profit and Water Pollution Control under a Complex Socioecological System Using a Multiagent-Based Model. <i>Water (Switzerland)</i> , 2018 , 10, 1139	3	4
19	Ecological compensation mechanism for urban green land and its application in Shanghai, China. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007 , 1, 320-324		3
18	An improved method for predicting water shortage risk in the case of insufficient data and its application in Tianjin, China. <i>Journal of Earth System Science</i> , 2020 , 129, 1	1.8	3
17	Risk Assessment of Water Resources and Energy Security Based on the Cloud Model: A Case Study of China in 2020. <i>Water (Switzerland)</i> , 2021 , 13, 1823	3	3
16	A New Parameter Estimation Method for a Logistic Regression Model of Water Shortage Risk in the Case of Small Sample Numbers. <i>Mathematical Geosciences</i> , 2020 , 52, 929-944	2.5	3
15	Quantitative Analysis of the Effects of Natural and Human Factors on a Hydrological System in Zhangweinan Canal Basin. <i>Water (Switzerland)</i> , 2020 , 12, 1864	3	2
14	An entropic model for the rock water absorption process. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 1871-1886	3.5	2
13	Water and energy circulation characteristics and their impacts on water stress at the provincial level in China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021 , 35, 147-164	3.5	2
12	Prediction of water shortage loss in situations with small samples based on an improved Gumbel copula. <i>Journal of Earth System Science</i> , 2021 , 130, 1	1.8	2
11	Comprehensive assessment of drought from 1960 to 2013 in China based on different perspectives. <i>Theoretical and Applied Climatology</i> , 2018 , 134, 585-594	3	2
10	An improved logistic probability prediction model for water shortage risk in situations with insufficient data 2018 ,		2
9	Decomposition analysis of water utilization in the Beijing-Tianjin-Hebei region between 2003 and 2016. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 626-634	1.4	1
8	Impacts of Climatic Change on Reference Crop Evapotranspiration across Different Climatic Zones of Ningxia at Multi-Time Scales from 1957 to 2018. <i>Advances in Meteorology</i> , 2020 , 2020, 1-23	1.7	1
7	Variation in the dependence structure between runoff and sediment discharge using an improved copula. <i>Theoretical and Applied Climatology</i> , 2021 , 145, 285-293	3	1

6	Large-scale monitoring of soil moisture using Temperature Vegetation Quantitative Index (TVQI) and exponential filtering: A case study in Beijing. <i>Agricultural Water Management</i> , 2021 , 252, 106896	5.9	1
5	Meeting the challenges of food-energy-water systems in typical mega-urban regions from final demands and supply chains: A case study of the Bohai mega-urban region, China. <i>Journal of Cleaner Production</i> , 2021 , 320, 128663	10.3	1
4	Identifying the drivers of changes in embodied food-energy-water in the Bohai mega-urban region, China: A perspective of final demands.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
3	A water shortage risk predicting model through estimating mutual information values between risk and risk factors. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	0
2	A New Estimation Method for Copula Parameters for Multivariate Hydrological Frequency Analysis With Small Sample Sizes. <i>Water Resources Management</i> , 2022 , 36, 1141-1157	3.7	0
1	Coupling Variable Fuzzy Sets and Gini Coefficient to Evaluate the Spatial Equilibrium of Water Resources. <i>Water Resources</i> , 2022 , 49, 292-300	0.9	0