Hongrui Wang

List of Publications by Year in Descending Order

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	Identifying the drivers of changes in embodied food-energy-water in the Bohai mega-urban region, China: A perspective of final demands.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
40	A New Estimation Method for Copula Parameters for Multivariate Hydrological Frequency Analysis With Small Sample Sizes. *Water Resources Management*, **2022**, 36, 1141-1157	3.7	0
39	Coupling Variable Fuzzy Sets and Gini Coefficient to Evaluate the Spatial Equilibrium of Water Resources. *Water Resources*, **2022**, 49, 292-300	0.9	0
38	A water shortage risk predicting model through estimating mutual information values between risk and risk factors. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	0
37	Variation in the dependence structure between runoff and sediment discharge using an improved copula. *Theoretical and Applied Climatology*, **2021**, 145, 285-293	3	1
36	Large-scale monitoring of soil moisture using Temperature Vegetation Quantitative Index (TVQI) and exponential filtering: A case study in Beijing. *Agricultural Water Management*, **2021**, 252, 106896	5.9	1
35	Risk Assessment of Water Resources and Energy Security Based on the Cloud Model: A Case Study of China in 2020. *Water (Switzerland)*, **2021**, 13, 1823	3	3
34	Water and energy circulation characteristics and their impacts on water stress at the provincial level in China. *Stochastic Environmental Research and Risk Assessment*, **2021**, 35, 147-164	3.5	2
33	Prediction of water shortage loss in situations with small samples based on an improved Gumbel copula. *Journal of Earth System Science*, **2021**, 130, 1	1.8	2
32	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. *Journal of Cleaner Production*, **2021**, 320, 128663	10.3	1
31	Changes in spatiotemporal drought characteristics over northeast China from 1960 to 2018 based on the modified nested Copula model. *Science of the Total Environment*, **2020**, 739, 140328	10.2	12
30	Effects of urbanization on food-energy-water systems in mega-urban regions: a case study of the Bohai MUR, China. *Environmental Research Letters*, **2020**, 15, 044014	6.2	8
29	Changes in reference evapotranspiration over Northwest China from 1957 to 2018: Variation characteristics, cause analysis and relationships with atmospheric circulation. *Agricultural Water Management*, **2020**, 231, 105958	5.9	16
28	An improved method for predicting water shortage risk in the case of insufficient data and its application in Tianjin, China. *Journal of Earth System Science*, **2020**, 129, 1	1.8	3
27	Quantitative Analysis of the Effects of Natural and Human Factors on a Hydrological System in Zhangweinan Canal Basin. *Water (Switzerland)*, **2020**, 12, 1864	3	2
26	Impacts of Climatic Change on Reference Crop Evapotranspiration across Different Climatic Zones of Ningxia at Multi-Time Scales from 1957 to 2018. *Advances in Meteorology*, **2020**, 2020, 1-23	1.7	1
25	An entropic model for the rock water absorption process. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 1871-1886	3.5	2

24	Problems and Countermeasures of River Management in the Process of Rapid Urbanization in China. *Water (Switzerland)*, **2020**, 12, 2260	3	5
23	A New Parameter Estimation Method for a Logistic Regression Model of Water Shortage Risk in the Case of Small Sample Numbers. *Mathematical Geosciences*, **2020**, 52, 929-944	2.5	3
22	Comprehensive Utilization of Seawater in China: A Description of the Present Situation, Restrictive Factors and Potential Countermeasures. *Water (Switzerland)*, **2019**, 11, 397	3	5
21	Modelling the Hindered Settling Velocity of a Falling Particle in a Particle-Fluid Mixture by the Tsallis Entropy Theory. *Entropy*, **2019**, 21,	2.8	7
20	Decomposition analysis of water utilization in the Beijing-Tianjin-Hebei region between 2003 and 2016. *Water Science and Technology: Water Supply*, **2019**, 19, 626-634	1.4	1
19	Comparison of Conventional Deterministic and Entropy-Based Methods for Predicting Sediment Concentration in Debris Flow. *Water (Switzerland)*, **2019**, 11, 439	3	4
18	Seawater desalination in China: an overview. *Journal of Water Reuse and Desalination*, **2019**, 9, 115-132	2.6	19
17	A new nonlinear risk assessment model based on an improved projection pursuit. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 1465-1478	3.5	6
16	An integrated approach for water scarcity evaluation□ case study of Yunnan, China. *Environment, Development and Sustainability*, **2018**, 20, 109-127	4.5	4
15	Modelling bivariate extreme precipitation distribution for data-scarce regions using Gumbel□Hougaard copula with maximum entropy estimation. *Hydrological Processes*, **2018**, 32, 212-227	3.3	23
14	Comprehensive assessment of drought from 1960 to 2013 in China based on different perspectives. *Theoretical and Applied Climatology*, **2018**, 134, 585-594	3	2
13	Quantifying the Relationship between Drought and Water Scarcity Using Copulas: Case Study of Beijing□Tianjin□Hebei Metropolitan Areas in China. *Water (Switzerland)*, **2018**, 10, 1622	3	11
12	An improved logistic probability prediction model for water shortage risk in situations with insufficient data **2018**,		2
11	Optimizing Policy for Balanced Industrial Profit and Water Pollution Control under a Complex Socioecological System Using a Multiagent-Based Model. *Water (Switzerland)*, **2018**, 10, 1139	3	4
10	Exploration of Use of Copulas in Analysing the Relationship between Precipitation and Meteorological Drought in Beijing, China. *Advances in Meteorology*, **2017**, 2017, 1-11	1.7	10
9	A new multiple integral model for water shortage risk assessment and its application in Beijing, China. *Natural Hazards*, **2016**, 80, 43-67	3	12
8	Evaluation Criteria and Model for Risk Between Water Supply and Water Demand and its Application in Beijing. *Water Resources Management*, **2014**, 28, 4433-4447	3.7	18
7	Uncertainty analysis of hydrological processes based on ARMA-GARCH model. *Science China Technological Sciences*, **2012**, 55, 2321-2331	3.5	12

6	Bayesian networks precipitation model based on hidden Markov analysis and its application. *Science China Technological Sciences*, **2010**, 53, 539-547	3.5	4
5	Crytic period analysis model of hydrological process and its application. *Hydrological Processes*, **2009**, 23, 1834-1843	3.3	7
4	Development and application of ergodicity model with FRCM and FLAR for hydrological process. *Science in China Series D: Earth Sciences*, **2009**, 52, 379-386		4
3	An input□output analysis of virtual water uses of the three economic sectors in Beijing. *Water International*, **2009**, 34, 451-467	2.4	34
2	Ecological compensation mechanism for urban green land and its application in Shanghai, China. *Frontiers of Environmental Science and Engineering in China*, **2007**, 1, 320-324		3
1	Sustainable use of water resources in agriculture in Beijing: problems and countermeasures. *Water Policy*, **2005**, 7, 345-357	1.6	22