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Copula-Based Analysis of Hydrological Extremes and Implications of Hydrological Behaviors in the Pearl River Basin, China

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#	Paper	IF	Citations
40	Regionalization and spatial changing properties of droughts across the Pearl River basin, China. <i>Journal of Hydrology</i> , 2012 , 472-473, 355-366	6	75
39	Multivariate drought characteristics using trivariate Gaussian and Student t copulas. <i>Hydrological Processes</i> , 2013 , 27, 1175-1190	3.3	87
38	Evaluation of risk of hydrological droughts by the trivariate Plackett copula in the East River basin (China). <i>Natural Hazards</i> , 2013 , 68, 529-547	3	34
37	Precipitation in the Pearl River basin, South China: scaling, regional patterns, and influence of large-scale climate anomalies. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1253-1268	3.5	54
36	Severity-duration-frequency curves in the mitigation of drought impact: an agricultural case study. <i>Natural Hazards</i> , 2013 , 65, 1863-1881	3	20
35	Review of Advances in Hydrologic Science in China in the Last Decades: Impact Study of Climate Change and Human Activities. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 1380-1384	1.8	17
34	Effects of the Check Dam System on Water Redistribution in the Chinese Loess Plateau. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 929-940	1.8	25
33	Flood frequency analysis with consideration of hydrological alterations: Changing properties, causes and implications. <i>Journal of Hydrology</i> , 2014 , 519, 803-813	6	32
32	Spatiotemporal variation of long-term drought propensity through reliability-resilience-vulnerability based Drought Management Index. <i>Water Resources Research</i> , 2014 , 50, 7662-7676	5.4	30
31	Flood frequency under the influence of trends in the Pearl River basin, China: changing patterns, causes and implications. <i>Hydrological Processes</i> , 2015 , 29, 1406-1417	3.3	18
30	Bivariate frequency analysis of nonstationary low-flow series based on the time-varying copula. <i>Hydrological Processes</i> , 2015 , 29, 1521-1534	3.3	93
29	Drought severity-duration-frequency curves: a foundation for risk assessment and planning tool for ecosystem establishment in post-mining landscapes. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 1069-1091	5.5	44
28	Spatial variations of river-groundwater interactions from upstream mountain to midstream oasis and downstream desert in Heihe River basin, China. 2016 , 47, 501-520		16
27	Uncertainty and variability in bivariate modeling of hydrological droughts. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 1317-1334	3.5	19
26	Assessment of hydrological extremes in the Kamo River Basin, Japan. <i>Hydrological Sciences Journal</i> , 2017 , 62, 1255-1265	3.5	14
25	Comparison of the performance of power law and probability distributions in the frequency analysis of flood in Dez Basin, Iran. <i>Natural Hazards</i> , 2017 , 87, 1313-1331	3	5
24	Combined risk assessment of nonstationary monthly water quality based on Markov chain and time-varying copula. <i>Water Science and Technology</i> , 2017 , 75, 693-704	2.2	4

23	Integrated meteorological and hydrological drought model: A management tool for proactive water resources planning of semi-arid regions. <i>Advances in Water Resources</i> , 2017 , 107, 336-353	4.7	36
22	Hydrological uncertainty processor based on a copula function. <i>Hydrological Sciences Journal</i> , 2018 , 63, 74-86	3.5	23
21	Is the Pearl River basin, China, drying or wetting? Seasonal variations, causes and implications. <i>Global and Planetary Change</i> , 2018 , 166, 48-61	4.2	10
20	Flood risk analysis for flood control and sediment transportation in sandy regions: A case study in the Loess Plateau, China. <i>Journal of Hydrology</i> , 2018 , 560, 39-55	6	14
19	Hydrological modeling of storm runoff and snowmelt in Taunton River Basin by applications of HEC-HMS and PRMS models. <i>Natural Hazards</i> , 2018 , 91, 179-199	3	15
18	Determination of Trends and Dominant Modes in 7-Day Annual Minimum Flows: Additive Wavelet TransformBased Approach. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 05018022	1.8	6
17	Bivariate frequency analysis of low flow using copula functions (case study: Dez River Basin, Iran). <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	8
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15	Uncertainty Analysis of Hydrologic Forecasts Based on Copulas. <i>Springer Water</i> , 2019 , 165-210	0.3	1
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13	Non-stationary frequency analysis of annual extreme rainfall volume and intensity using Archimedean copulas: A case study in eastern China. <i>Journal of Hydrology</i> , 2019 , 571, 114-131	6	25
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6	Design droughts as planning tool for ecosystem establishment in post-mining landscapes.		3

5	Probabilistic modelling of the dependence between rainfed crops and drought hazard. <i>Natural Hazards and Earth System Sciences</i> , 2019 , 19, 2795-2809	3.9	11
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2	Rainstorm Combination Design during the Meiyu Season: An Example from Southern Jiangsu, China. 2022 , 27,		0
1	A copula-based multisite rainfall frequency analysis: a case study on the Lanyang watershed in Taiwan.		0