

Jenq-Tzong Shiau

List of Publications by Citations

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45
papers

2,096
citations

21
h-index

45
g-index

45
ext. papers

2,340
ext. citations

3.2
avg, IF

5.6
L-index

#	Paper	IF	Citations
45	Fitting Drought Duration and Severity with Two-Dimensional Copulas. <i>Water Resources Management</i> , 2006 , 20, 795-815	3.7	413
44	Recurrence Analysis of Hydrologic Droughts of Differing Severity. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2001 , 127, 30-40	2.8	195
43	Assessment of hydrological droughts for the Yellow River, China, using copulas. <i>Hydrological Processes</i> , 2007 , 21, 2157-2163	3.3	185
42	Copula-based drought severity-duration-frequency analysis in Iran. <i>Meteorological Applications</i> , 2009 , 16, 481-489	2.1	178
41	Return period of bivariate distributed extreme hydrological events. <i>Stochastic Environmental Research and Risk Assessment</i> , 2003 , 17, 42-57	3.5	163
40	BIVARIATE FREQUENCY ANALYSIS OF FLOODS USING COPULAS ¹ . <i>Journal of the American Water Resources Association</i> , 2006 , 42, 1549-1564	2.1	85
39	Pareto-optimal solutions for environmental flow schemes incorporating the intra-annual and interannual variability of the natural flow regime. <i>Water Resources Research</i> , 2007 , 43,	5.4	70
38	Assessment of hydrologic alterations caused by Chi-Chi diversion weir in Chou-Shui Creek, Taiwan: opportunities for restoring natural flow conditions. <i>River Research and Applications</i> , 2004 , 20, 401-412	2.3	70
37	A Histogram Matching Approach for assessment of flow regime alteration: application to environmental flow optimization. <i>River Research and Applications</i> , 2008 , 24, 914-928	2.3	62
36	Derivation of Optimal Hedging Rules for a Water-supply Reservoir through Compromise Programming. <i>Water Resources Management</i> , 2005 , 19, 111-132	3.7	61
35	COMPROMISE PROGRAMMING METHODOLOGY FOR DETERMINING INSTREAM FLOW UNDER MULTIOBJECTIVE WATER ALLOCATION CRITERIA. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 1179-1191	2.1	58
34	Feasible Diversion and Instream Flow Release Using Range of Variability Approach. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2004 , 130, 395-404	2.8	57
33	Analytical optimal hedging with explicit incorporation of reservoir release and carryover storage targets. <i>Water Resources Research</i> , 2011 , 47,	5.4	51
32	Optimization of Reservoir Hedging Rules Using Multiobjective Genetic Algorithm. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2009 , 135, 355-363	2.8	48
31	Optimizing environmental flows for multiple reaches affected by a multipurpose reservoir system in Taiwan: Restoring natural flow regimes at multiple temporal scales. <i>Water Resources Research</i> , 2013 , 49, 565-584	5.4	38
30	Analysis of Extreme Flood Events for the Pachang River, Taiwan. <i>Water Resources Management</i> , 2005 , 19, 363-374	3.7	29
29	Application of L-moments and Bayesian inference for low-flow regionalization in Sefidroud basin, Iran. <i>Hydrological Processes</i> , 2014 , 28, 1663-1676	3.3	26

28	Water Release Policy Effects on the Shortage Characteristics for the Shihmen Reservoir System during Droughts. <i>Water Resources Management</i> , 2003 , 17, 463-480	3.7	24
27	Water-deficit-based drought risk assessments in Taiwan. <i>Natural Hazards</i> , 2012 , 64, 237-257	3	23
26	Detecting distributional changes of annual rainfall indices in Taiwan using quantile regression. <i>Journal of Hydro-Environment Research</i> , 2015 , 9, 368-380	2.3	22
25	A dynamic corridor-searching algorithm to seek time-varying instream flow releases for optimal weir operation: comparing three indices of overall hydrologic alteration. <i>River Research and Applications</i> , 2007 , 23, 35-53	2.3	22
24	Quantile Regression-Based Probabilistic Estimation Scheme for Daily and Annual Suspended Sediment Loads. <i>Water Resources Management</i> , 2015 , 29, 2805-2818	3.7	21
23	A dual active-restrictive approach to incorporating environmental flow targets into existing reservoir operation rules. <i>Water Resources Research</i> , 2010 , 46,	5.4	19
22	Spatial hydrological drought characteristics in Karkheh River basin, southwest Iran using copulas. <i>Journal of Earth System Science</i> , 2017 , 126, 1	1.8	18
21	Suitability of ANN-Based Daily Streamflow Extension Models: a Case Study of Gaoping River Basin, Taiwan. <i>Water Resources Management</i> , 2016 , 30, 1499-1513	3.7	17
20	Clustering Quantile Regression-Based Drought Trends in Taiwan. <i>Water Resources Management</i> , 2016 , 30, 1053-1069	3.7	15
19	Assessment of climate change impacts on flooding vulnerability for lowland management in southwestern Taiwan. <i>Natural Hazards</i> , 2013 , 68, 1001-1019	3	15
18	Assessing Multi-site Drought Connections in Iran Using Empirical Copula. <i>Environmental Modeling and Assessment</i> , 2012 , 17, 469-482	2	15
17	Regionalization of natural flow regime: application to environmental flow optimization at ungauged sites. <i>River Research and Applications</i> , 2009 , 25, 1071-1089	2.3	14
16	Effects of Gamma-Distribution Variations on SPI-Based Stationary and Nonstationary Drought Analyses. <i>Water Resources Management</i> , 2020 , 34, 2081-2095	3.7	11
15	Data-based bivariate uncertainty assessment of extreme rainfall-runoff using copulas: comparison between annual maximum series (AMS) and peaks over threshold (POT). <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 67	3.1	10
14	Assessment of flow regime alterations over a spectrum of temporal scales using wavelet-based approaches. <i>Water Resources Research</i> , 2015 , 51, 3317-3338	5.4	10
13	Detecting Multi-Purpose Reservoir Operation Induced Time-Frequency Alteration Using Wavelet Transform. <i>Water Resources Management</i> , 2014 , 28, 3577-3590	3.7	8
12	Physiographic Drainage-Inundation Model Based Flooding Vulnerability Assessment. <i>Water Resources Management</i> , 2012 , 26, 1307-1323	3.7	8
11	Copula-based depth-duration-frequency analysis of typhoons in Taiwan 2010 , 41, 414-423		8

10	Effects of Hedging Factors and Fuzziness on Shortage Characteristics During Droughts. <i>Water Resources Management</i> , 2018 , 32, 1913-1929	3.7	5
9	COMPROMISE PROGRAMMING METHODOLOGY FOR DETERMINING INSTREAM FLOW UNDER MULTIOBJECTIVE WATER ALLOCATION CRITERIA1. <i>Journal of the American Water Resources Association</i> , 2007 , 42, 1179-1191	2.1	5
8	Basin-scale optimal trade-off between human and environmental water requirements in Hsintien Creek basin, Taiwan. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	5
7	Bivariate Drought Characterization of Two Contrasting Climatic Regions in India Using Copula. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021 , 147, 05020005	1.1	3
6	Wavelet-Based Detection of Time-Frequency Changes for Monthly Rainfall and SPI Series in Taiwan. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019 , 55, 657-667	2.1	2
5	Comparing Optimal Hedging Policies Incorporating Past Operation Information and Future Hydrologic Information. <i>Water Resources Management</i> , 2021 , 35, 2177-2196	3.7	2
4	Copula-Based Infilling Methods for Daily Suspended Sediment Loads. <i>Water (Switzerland)</i> , 2021 , 13, 1701		2
3	Nonstationary Distributional Changes of Annual Rainfall Indices in Taiwan. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021 , 57, 435-450	2.1	2
2	Analytical Water Shortage Probabilities and Distributions of Various Lead Times for a Water Supply Reservoir. <i>Water Resources Management</i> , 2021 , 35, 3809-3825	3.7	1
1	Nonstationary Analyses of the Maximum and Minimum Streamflow in Tamsui River Basin, Taiwan. <i>Water (Switzerland)</i> , 2021 , 13, 762	3	0