Shiang-Jen Wu

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.

22 papers	253 citations	10 h-index	15 g-index
23 ext. papers	306 ext. citations	2.8 avg, IF	3.17 L-index

#	Paper	IF	Citations
22	Risk analysis for flood-control structure under consideration of uncertainties in design flood. *Natural Hazards*, **2011**, 58, 117-140	3	37
21	Modeling risk analysis for forecasting peak discharge during flooding prevention and warning operation. *Stochastic Environmental Research and Risk Assessment*, **2010**, 24, 1175-1191	3.5	33
20	Stochastic generation of hourly rainstorm events. *Stochastic Environmental Research and Risk Assessment*, **2006**, 21, 195-212	3.5	29
19	Calibration of a conceptual rainfall–runoff model using a genetic algorithm integrated with runoff estimation sensitivity to parameters. *Journal of Hydroinformatics*, **2012**, 14, 497-511	2.6	25
18	Real-time correction of water stage forecast during rainstorm events using combination of forecast errors. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 519-531	3.5	22
17	Modeling the effect of uncertainties in rainfall characteristics on flash flood warning based on rainfall thresholds. *Natural Hazards*, **2015**, 75, 1677-1711	3	21
16	Identification and stochastic generation of representative rainfall temporal patterns in Hong Kong territory. *Stochastic Environmental Research and Risk Assessment*, **2006**, 20, 171-183	3.5	18
15	Real-time correction of water stage forecast using combination of forecasted errors by time series models and Kalman filter method. *Stochastic Environmental Research and Risk Assessment*, **2015**, 29, 1903-1920	3.5	15
14	Modeling probabilistic radar rainfall estimation at ungauged locations based on spatiotemporal errors which correspond to gauged data **2015**, 46, 39-59		12
13	A Case Study for the Application of an Operational Two-Dimensional Real-Time Flooding Forecasting System and Smart Water Level Gauges on Roads in Tainan City, Taiwan. *Water (Switzerland)*, **2018**, 10, 574	3	11
12	A probabilistic model for evaluating the reliability of rainfall thresholds for shallow landslides based on uncertainties in rainfall characteristics and soil properties. *Natural Hazards*, **2017**, 87, 469-513	3	6
11	Modeling probabilistic lag time equation in a watershed based on uncertainties in rainfall, hydraulic and geographical factors **2016**, 47, 1116-1141		6
10	Modeling risk analysis for rice production due to agro-climate change in Taiwan. *Paddy and Water Environment*, **2015**, 13, 391-404	1.6	5
9	Modeling of uncertainty for flood wave propagation induced by variations in initial and boundary conditions using expectation operator on explicit numerical solutions. *International Journal for Numerical Methods in Engineering*, **2018**, 113, 1447-1465	2.4	4
8	Real-time error correction of two-dimensional flood-inundation simulations during rainstorm events. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 641-667	3.5	2
7	Modeling risk analysis for rice production due to agro-climate change and uncertainty in irrigation water. *Paddy and Water Environment*, **2018**, 16, 35-53	1.6	2
6	Incorporating Daily Rainfall to Derive At-Site Hourly Depth-Duration-Frequency Relationships. *Journal of Hydrologic Engineering - ASCE*, **2009**, 14, 992-1001	1.8	2

List of Publications

5	Stochastic modeling of gridded short-term rainstorms **2021**, 52, 876-904		1
4	Reliability analysis for reservoir water supply due to uncertainties in hydrological factors, rainfall-runoff routing and operating rule curves. *Journal of Hydro-Environment Research*, **2021**, 34, 24-45	2,3	1
3	Stochastic modeling of artificial neural networks for real-time hydrological forecasts based on uncertainties in transfer functions and ANN weights		1
2	Variation of uncertainty of drainage density in flood hazard mapping assessment with coupled 1D□2D hydrodynamics model. *Natural Hazards*,1	3	0
1	Stochastic Modeling for Estimating Real-Time Inundation Depths at Roadside IoT Sensors Using the ANN-Derived Model. *Water (Switzerland)*, **2021**, 13, 3128	3	0