

Shien-Tsung Chen

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.

27
papers

1,021
citations

14
h-index

28
g-index

28
ext. papers

1,171
ext. citations

3.6
avg, IF

4.51
L-index

#	Paper	IF	Citations
27	Support vector regression for real-time flood stage forecasting. <i>Journal of Hydrology</i> , 2006 , 328, 704-716	6	358
26	Statistical downscaling of daily precipitation using support vector machines and multivariate analysis. <i>Journal of Hydrology</i> , 2010 , 385, 13-22	6	149
25	Real-time probabilistic forecasting of flood stages. <i>Journal of Hydrology</i> , 2007 , 340, 63-77	6	69
24	Historical trends and variability of meteorological droughts in Taiwan / Tendances historiques et variabilités des sécheresses météorologiques à Taiwan. <i>Hydrological Sciences Journal</i> , 2009 , 54, 430-441	3.5	55
23	Application of Gray and Fuzzy Methods for Rainfall Forecasting. <i>Journal of Hydrologic Engineering - ASCE</i> , 2000 , 5, 339-345	1.8	53
22	Pruning of support vector networks on flood forecasting. <i>Journal of Hydrology</i> , 2007 , 347, 67-78	6	51
21	Updating Real-Time Flood Forecasting Using a Fuzzy Rule-Based Model/Mise à Jour de Prédiction de Crue en Temps Réel Grâce à un Modèle à Base de Règles Floues. <i>Hydrological Sciences Journal</i> , 2005 , 50,	3.5	37
20	APPLICATION OF GREY MODEL TOWARD RUNOFF FORECASTING1. <i>Journal of the American Water Resources Association</i> , 2001 , 37, 151-166	2.1	22
19	Physical Hybrid Neural Network Model to Forecast Typhoon Floods. <i>Water (Switzerland)</i> , 2018 , 10, 632	3	21
18	Typhoon event-based evolutionary fuzzy inference model for flood stage forecasting. <i>Journal of Hydrology</i> , 2013 , 490, 134-143	6	19
17	Comparison of neural network architectures and inputs for radar rainfall adjustment for typhoon events. <i>Journal of Hydrology</i> , 2011 , 405, 150-160	6	19
16	Projection of climate change for daily precipitation: a case study in Shih-Men reservoir catchment in Taiwan. <i>Hydrological Processes</i> , 2011 , 25, 1342-1354	3.3	17
15	Input uncertainty on watershed modeling: Evaluation of precipitation and air temperature data by latent variables using SWAT. <i>Ecological Engineering</i> , 2018 , 122, 16-26	3.9	15
14	Assessment of Optional Sediment Transport Functions via the Complex Watershed Simulation Model SWAT. <i>Water (Switzerland)</i> , 2017 , 9, 76	3	15
13	Fuzzy time series for real-time flood forecasting. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 645-656	3.5	14
12	Mining Informative Hydrologic Data by Using Support Vector Machines and Elucidating Mined Data according to Information Entropy. <i>Entropy</i> , 2015 , 17, 1023-1041	2.8	14
11	Comparison of grey and phase-space rainfall forecasting models using a fuzzy decision method / Comparaison grâce à une méthode de décision floue des modèles gris et à l'espace des phases pour la prédiction de pluie. <i>Hydrological Sciences Journal</i> , 2004 , 49,	3.5	12

10	The Potential of Fuzzy Multi-objective Model for Rainfall Forecasting from Typhoons. <i>Natural Hazards</i> , 2005 , 34, 131-150	3	12
9	Probabilistic forecasting of coastal wave height during typhoon warning period using machine learning methods. <i>Journal of Hydroinformatics</i> , 2019 , 21, 343-358	2.6	11
8	Probabilistic Drought Forecasting in Southern Taiwan Using El Niño-Southern Oscillation Index. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013 , 24, 911	1.8	11
7	Storm-event rainfall-runoff modelling approach for ungauged sites in Taiwan. <i>Hydrological Processes</i> , 2008 , 22, 4322-4330	3.3	10
6	Assessment of input uncertainty by seasonally categorized latent variables using SWAT. <i>Journal of Hydrology</i> , 2015 , 531, 685-695	6	9
5	Improving Coastal Ocean Wave Height Forecasting during Typhoons by using Local Meteorological and Neighboring Wave Data in Support Vector Regression Models. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 149	2.4	8
4	Development of an integrated computational tool to assess climate change impacts on water supply-demand and flood inundation. <i>Journal of Hydroinformatics</i> , 2014 , 16, 710-730	2.6	7
3	Operational Probabilistic Forecasting of Coastal Freak Waves by Using an Artificial Neural Network. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 165	2.4	6
2	Real-Time Probabilistic Flood Forecasting Using Multiple Machine Learning Methods. <i>Water (Switzerland)</i> , 2020 , 12, 787	3	4
1	Climate Change Impacts on Streamflow Drought: A Case Study in Tseng-Wen Reservoir Catchment in Southern Taiwan. <i>Climate</i> , 2015 , 3, 42-62	3.1	3