Shien-Tsung Chen

List of Publications by Year in Descending Order

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	Operational Probabilistic Forecasting of Coastal Freak Waves by Using an Artificial Neural Network. *Journal of Marine Science and Engineering*, **2020**, 8, 165	2.4	6
26	Improving Coastal Ocean Wave Height Forecasting during Typhoons by using Local Meteorological and Neighboring Wave Data in Support Vector Regression Models. *Journal of Marine Science and Engineering*, **2020**, 8, 149	2.4	8
25	Real-Time Probabilistic Flood Forecasting Using Multiple Machine Learning Methods. *Water (Switzerland)*, **2020**, 12, 787	3	4
24	Probabilistic forecasting of coastal wave height during typhoon warning period using machine learning methods. *Journal of Hydroinformatics*, **2019**, 21, 343-358	2.6	11
23	Fuzzy time series for real-time flood forecasting. *Stochastic Environmental Research and Risk Assessment*, **2019**, 33, 645-656	3.5	14
22	Input uncertainty on watershed modeling: Evaluation of precipitation and air temperature data by latent variables using SWAT. *Ecological Engineering*, **2018**, 122, 16-26	3.9	15
21	Physical Hybrid Neural Network Model to Forecast Typhoon Floods. *Water (Switzerland)*, **2018**, 10, 632	3	21
20	Assessment of Optional Sediment Transport Functions via the Complex Watershed Simulation Model SWAT. *Water (Switzerland)*, **2017**, 9, 76	3	15
19	Mining Informative Hydrologic Data by Using Support Vector Machines and Elucidating Mined Data according to Information Entropy. *Entropy*, **2015**, 17, 1023-1041	2.8	14
18	Assessment of input uncertainty by seasonally categorized latent variables using SWAT. *Journal of Hydrology*, **2015**, 531, 685-695	6	9
17	Climate Change Impacts on Streamflow Drought: A Case Study in Tseng-Wen Reservoir Catchment in Southern Taiwan. *Climate*, **2015**, 3, 42-62	3.1	3
16	Development of an integrated computational tool to assess climate change impacts on water supply–demand and flood inundation. *Journal of Hydroinformatics*, **2014**, 16, 710-730	2.6	7
15	Typhoon event-based evolutionary fuzzy inference model for flood stage forecasting. *Journal of Hydrology*, **2013**, 490, 134-143	6	19
14	Probabilistic Drought Forecasting in Southern Taiwan Using El Niño-Southern Oscillation Index. *Terrestrial, Atmospheric and Oceanic Sciences*, **2013**, 24, 911	1.8	11
13	Comparison of neural network architectures and inputs for radar rainfall adjustment for typhoon events. *Journal of Hydrology*, **2011**, 405, 150-160	6	19
12	Projection of climate change for daily precipitation: a case study in Shih-Men reservoir catchment in Taiwan. *Hydrological Processes*, **2011**, 25, 1342-1354	3.3	17
11	Statistical downscaling of daily precipitation using support vector machines and multivariate analysis. *Journal of Hydrology*, **2010**, 385, 13-22	6	149

LIST OF PUBLICATIONS

10	Historical trends and variability of meteorological droughts in Taiwan / Tendances historiques et variabilité des sécheresses météorologiques à Taiwan. *Hydrological Sciences Journal*, **2009**, 54, 430-441	3.5	55
9	Storm-event rainfall–runoff modelling approach for ungauged sites in Taiwan. *Hydrological Processes*, **2008**, 22, 4322-4330	3.3	10
8	Real-time probabilistic forecasting of flood stages. *Journal of Hydrology*, **2007**, 340, 63-77	6	69
7	Pruning of support vector networks on flood forecasting. *Journal of Hydrology*, **2007**, 347, 67-78	6	51
6	Support vector regression for real-time flood stage forecasting. *Journal of Hydrology*, **2006**, 328, 704-716	6	358
5	Updating Real-Time Flood Forecasting Using a Fuzzy Rule-Based Model/Mise à Jour de Prévision de Crue en Temps Réel Grâce à un Modèle à Base de Règles Floues. *Hydrological Sciences Journal*, **2005**, 50,	3.5	37
4	The Potential of Fuzzy Multi-objective Model for Rainfall Forecasting from Typhoons. *Natural Hazards*, **2005**, 34, 131-150	3	12
3	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 d'espace des phases pour la prévision de pluie. *Hydrological Sciences Journal*, **2004**, 49,	3.5	12
2	APPLICATION OF GREY MODEL TOWARD RUNOFF FORECASTING1. *Journal of the American Water Resources Association*, **2001**, 37, 151-166	2.1	22
1	Application of Gray and Fuzzy Methods for Rainfall Forecasting. *Journal of Hydrologic Engineering - ASCE*, **2000**, 5, 339-345	1.8	53