

# Shien-Tsung Chen

## List of Publications by Year in descending order

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28  
papers

1,322  
citations

516215

16  
h-index

500791

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Support vector regression for real-time flood stage forecasting. Journal of Hydrology, 2006, 328, 704-716.	2.3	467
2	Statistical downscaling of daily precipitation using support vector machines and multivariate analysis. Journal of Hydrology, 2010, 385, 13-22.	2.3	202
3	Real-time probabilistic forecasting of flood stages. Journal of Hydrology, 2007, 340, 63-77.	2.3	76
4	Historical trends and variability of meteorological droughts in Taiwan / Tendances historiques et variabilit� des s�cheresses m�t�orologiques � Taiwan. Hydrological Sciences Journal, 2009, 54, 430-441.	1.2	75
5	Pruning of support vector networks on flood forecasting. Journal of Hydrology, 2007, 347, 67-78.	2.3	67
6	Application of Gray and Fuzzy Methods for Rainfall Forecasting. Journal of Hydrologic Engineering - ASCE, 2000, 5, 339-345.	0.8	56
7	Updating Real-Time Flood Forecasting Using a Fuzzy Rule-Based Model/Mise � Jour de Pr�vision de Crue en Temps R�el Gr�ce � un Mod�le � Base de R�gles Floues. Hydrological Sciences Journal, 2005, 50, .	1.2	41
8	APPLICATION OF GREY MODEL TOWARD RUNOFF FORECASTING. Journal of the American Water Resources Association, 2001, 37, 151-166.	1.0	29
9	Physical Hybrid Neural Network Model to Forecast Typhoon Floods. Water (Switzerland), 2018, 10, 632.	1.2	28
10	Real-Time Probabilistic Flood Forecasting Using Multiple Machine Learning Methods. Water (Switzerland), 2020, 12, 787.	1.2	25
11	Comparison of neural network architectures and inputs for radar rainfall adjustment for typhoon events. Journal of Hydrology, 2011, 405, 150-160.	2.3	22
12	Typhoon event-based evolutionary fuzzy inference model for flood stage forecasting. Journal of Hydrology, 2013, 490, 134-143.	2.3	22
13	Assessment of Optional Sediment Transport Functions via the Complex Watershed Simulation Model SWAT. Water (Switzerland), 2017, 9, 76.	1.2	20
14	Projection of climate change for daily precipitation: a case study in Shih�Men reservoir catchment in Taiwan. Hydrological Processes, 2011, 25, 1342-1354.	1.1	18
15	Input uncertainty on watershed modeling: Evaluation of precipitation and air temperature data by latent variables using SWAT. Ecological Engineering, 2018, 122, 16-26.	1.6	18
16	Fuzzy time series for real-time flood forecasting. Stochastic Environmental Research and Risk Assessment, 2019, 33, 645-656.	1.9	17
17	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.	1.2	17
18	Probabilistic forecasting of coastal wave height during typhoon warning period using machine learning methods. Journal of Hydroinformatics, 2019, 21, 343-358.	1.1	16

#	ARTICLE	IF	CITATIONS
19	Mining Informative Hydrologic Data by Using Support Vector Machines and Elucidating Mined Data according to Information Entropy. <i>Entropy</i> , 2015, 17, 1023-1041.	1.1	15
20	Comparison of grey and phase-space rainfall forecasting models using a fuzzy decision method / Comparaison gr�ce � une m�thode de d�cision floue des mod�les gris et d�espace des phases pour la pr�vision de pluie. <i>Hydrological Sciences Journal</i> , 2004, 49, .	1.2	14
21	Operational Probabilistic Forecasting of Coastal Freak Waves by Using an Artificial Neural Network. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 165.	1.2	14
22	The Potential of Fuzzy Multi-objective Model for Rainfall Forecasting from Typhoons. <i>Natural Hazards</i> , 2005, 34, 131-150.	1.6	13
23	Probabilistic Drought Forecasting in Southern Taiwan Using El Ni�o-Southern Oscillation Index. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 911.	0.3	13
24	Storm�event rainfall�runoff modelling approach for ungauged sites in Taiwan. <i>Hydrological Processes</i> , 2008, 22, 4322-4330.	1.1	12
25	Assessment of input uncertainty by seasonally categorized latent variables using SWAT. <i>Journal of Hydrology</i> , 2015, 531, 685-695.	2.3	11
26	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.	1.1	8
27	Climate Change Impacts on Streamflow Drought: A Case Study in Tseng-Wen Reservoir Catchment in Southern Taiwan. <i>Climate</i> , 2015, 3, 42-62.	1.2	5
28	Generating Continuous Rainfall Time Series with High Temporal Resolution by Using a Stochastic Rainfall Generator with a Copula and Modified Huff Rainfall Curves. <i>Water (Switzerland)</i> , 2022, 14, 2123.	1.2	1