Shie-Yui Liong

List of Publications by Year in Descending Order

43 papers	1,679 citations	21 h-index	40 g-index
50 ext. papers	1,907 ext. citations	3.6 avg, IF	4.87 L-index

#	Paper	IF	Citations
43	Satellite DEM Improvement Using Multispectral Imagery and an Artificial Neural Network. *Water (Switzerland)*, **2021**, 13, 1551	3	3
42	Using a regional climate model to develop index-based drought insurance for sovereign disaster risk transfer. *Agricultural Finance Review*, **2021**, 81, 151-168	1.5	4
41	An Innovative DEM Improvement Technique for Highly Dense Urban Cities. *Springer Water*, **2020**, 229-240	0.3	
40	Possible Roles of Artificial Neural Networks in Hydraulic and Hydrological Models. *Springer Water*, **2020**, 529-543	0.3	
39	Simple-Yet-Effective SRTM DEM Improvement Scheme for Dense Urban Cities Using ANN and Remote Sensing Data: Application to Flood Modeling. *Water (Switzerland)*, **2020**, 12, 816	3	10
38	Overcoming data scarcity in flood hazard assessment using remote sensing and artificial neural network. *Smart Water*, **2019**, 4,	2.9	12
37	Future changes in rice yields over the Mekong River Delta due to climate change Alarming or alerting?. *Theoretical and Applied Climatology*, **2019**, 137, 545-555	3	6
36	Flood Modelling Framework for Kuching City, Malaysia: Overcoming the Lack of Data. *Springer Water*, **2018**, 559-568	0.3	2
35	Assessment of CMIP5 historical simulations of rainfall over Southeast Asia. *Theoretical and Applied Climatology*, **2018**, 132, 989-1002	3	21
34	Are satellite products good proxies for gauge precipitation over Singapore?. *Theoretical and Applied Climatology*, **2018**, 132, 921-932	3	12
33	Spatial connections in regional climate model rainfall outputs at different temporal scales: Application of network theory. *Journal of Hydrology*, **2018**, 556, 1232-1243	6	22
32	Uncertainties of gridded precipitation observations in characterizing spatio-temporal drought and wetness over Vietnam. *International Journal of Climatology*, **2018**, 38, 2067-2081	3.5	30
31	Enhancement of chaotic hydrological time series prediction with real-time noise reduction using Extended Kalman Filter. *Journal of Hydrology*, **2018**, 565, 737-746	6	11
30	Evaluations of NASA NEX-GDDP data over Southeast Asia: present and future climates. *Climatic Change*, **2018**, 148, 503-518	4.5	30
29	Investigating the relationship between Aerosol Optical Depth and Precipitation over Southeast Asia with Relative Humidity as an influencing factor. *Scientific Reports*, **2017**, 7, 13395	4.9	11
28	Technical note: Application of artificial neural networks in groundwater table forecasting a case study in a Singapore swamp forest. *Hydrology and Earth System Sciences*, **2016**, 20, 1405-1412	5.5	39
27	An innovative approach to improve SRTM DEM using multispectral imagery and artificial neural network. *Journal of Advances in Modeling Earth Systems*, **2016**, 8, 691-702	7.1	21

26	A deterministic hydrological approach to estimate climate change impact on river flow: Vu Gia Thu Bon catchment, Vietnam. *Journal of Hydro-Environment Research*, **2016**, 11, 59-74	2.3	19
25	Investigating drought over the Central Highland, Vietnam, using regional climate models. *Journal of Hydrology*, **2015**, 526, 265-273	6	32
24	A simple clustering technique to extract subsets of data for function approximation. *Journal of Hydroinformatics*, **2015**, 17, 719-732	2.6	1
23	Regional frequency analysis of extreme rainfall events in Jakarta. *Natural Hazards*, **2015**, 75, 1075-1104	3	29
22	How to construct future IDF curves, under changing climate, for sites with scarce rainfall records?. *Hydrological Processes*, **2014**, 28, 3276-3287	3.3	24
21	Improving numerical forecast accuracy with ensemble Kalman filter and chaos theory: Case study on Ciliwung river model. *Journal of Hydrology*, **2014**, 512, 540-548	6	5
20	An approach for modelling the effects of changes in hydrological environmental variables on tropical primary forest vegetation. *Journal of Hydrology*, **2013**, 505, 102-112	6	4
19	Assessment of future stream flow over the Sesan catchment of the Lower Mekong Basin in Vietnam. *Hydrological Processes*, **2012**, 26, 3661-3668	3.3	18
18	An ecohydrological model for studying groundwater vegetation interactions in wetlands. *Journal of Hydrology*, **2011**, 409, 291-304	6	26
17	Artificial neural network for tsunami forecasting. *Journal of Asian Earth Sciences*, **2009**, 36, 29-37	2.8	19
16	An ANN application for water quality forecasting. *Marine Pollution Bulletin*, **2008**, 56, 1586-97	6.7	285
15	Rainfall intensity prediction by a spatial-temporal ensemble **2008**,		1
14	Forecasting of hydrologic time series with ridge regression in feature space. *Journal of Hydrology*, **2007**, 332, 290-302	6	75
13	Alternative Decision Making in Water Distribution Network with NSGA-II. *Journal of Water Resources Planning and Management - ASCE*, **2006**, 132, 122-126	2.8	58
12	Chaotic time series prediction with a global model: Artificial neural network. *Journal of Hydrology*, **2006**, 323, 92-105	6	117
11	EC-SVM approach for real-time hydrologic forecasting. *Journal of Hydroinformatics*, **2004**, 6, 209-223	2.6	121
10	Superior Exploration Exploitation Balance in Shuffled Complex Evolution. *Journal of Hydraulic Engineering*, **2004**, 130, 1202-1205	1.8	22
9	FLOOD STAGE FORECASTING WITH SUPPORT VECTOR MACHINES1. *Journal of the American Water Resources Association*, **2002**, 38, 173-186	2.1	214

8	Derivation of Pareto Front with Genetic Algorithm and Neural Network. *Journal of Hydrologic Engineering - ASCE*, **2001**, 6, 52-61	1.8	46
7	River Stage Forecasting in Bangladesh: Neural Network Approach. *Journal of Computing in Civil Engineering*, **2000**, 14, 1-8	5	149
6	Singapore Rainfall Behavior: Chaotic?. *Journal of Hydrologic Engineering - ASCE*, **1999**, 4, 38-48	1.8	82
5	Comment on "Nonlinear analysis of river flow time sequences" by Amilcare Porporato and Luca Ridolfi. *Water Resources Research*, **1999**, 35, 895-897	5.4	12
4	Catchment Calibration Using Fractional-Factorial and Central-Composite-Designs-Based Response Surface. *Journal of Hydraulic Engineering*, **1995**, 121, 507-510	1.8	11
3	Peak-Flow Forecasting with Genetic Algorithm and SWMM. *Journal of Hydraulic Engineering*, **1995**, 121, 613-617	1.8	64
2	A method of estimating optimal catchment model parameters. *Water Resources Research*, **1993**, 29, 3049-3058	5.4	8
1	A COMPARISON OF SUPPORT VECTOR MACHINES AND ARTIFICIAL NEURAL NETWORKS IN HYDROLOGICAL/METEOROLOGICAL TIME SERIES PREDICTION 91-96		1