

Shie-Yui Liong

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.

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	An ANN application for water quality forecasting. <i>Marine Pollution Bulletin</i> , 2008 , 56, 1586-97	6.7	285
42	FLOOD STAGE FORECASTING WITH SUPPORT VECTOR MACHINES ¹ . <i>Journal of the American Water Resources Association</i> , 2002 , 38, 173-186	2.1	214
41	River Stage Forecasting in Bangladesh: Neural Network Approach. <i>Journal of Computing in Civil Engineering</i> , 2000 , 14, 1-8	5	149
40	EC-SVM approach for real-time hydrologic forecasting. <i>Journal of Hydroinformatics</i> , 2004 , 6, 209-223	2.6	121
39	Chaotic time series prediction with a global model: Artificial neural network. <i>Journal of Hydrology</i> , 2006 , 323, 92-105	6	117
38	Singapore Rainfall Behavior: Chaotic?. <i>Journal of Hydrologic Engineering - ASCE</i> , 1999 , 4, 38-48	1.8	82
37	Forecasting of hydrologic time series with ridge regression in feature space. <i>Journal of Hydrology</i> , 2007 , 332, 290-302	6	75
36	Peak-Flow Forecasting with Genetic Algorithm and SWMM. <i>Journal of Hydraulic Engineering</i> , 1995 , 121, 613-617	1.8	64
35	Alternative Decision Making in Water Distribution Network with NSGA-II. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2006 , 132, 122-126	2.8	58
34	Derivation of Pareto Front with Genetic Algorithm and Neural Network. <i>Journal of Hydrologic Engineering - ASCE</i> , 2001 , 6, 52-61	1.8	46
33	Technical note: Application of artificial neural networks in groundwater table forecasting in a case study in a Singapore swamp forest. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 1405-1412	5.5	39
32	Investigating drought over the Central Highland, Vietnam, using regional climate models. <i>Journal of Hydrology</i> , 2015 , 526, 265-273	6	32
31	Uncertainties of gridded precipitation observations in characterizing spatio-temporal drought and wetness over Vietnam. <i>International Journal of Climatology</i> , 2018 , 38, 2067-2081	3.5	30
30	Evaluations of NASA NEX-GDDP data over Southeast Asia: present and future climates. <i>Climatic Change</i> , 2018 , 148, 503-518	4.5	30
29	Regional frequency analysis of extreme rainfall events in Jakarta. <i>Natural Hazards</i> , 2015 , 75, 1075-1104	3	29
28	An ecohydrological model for studying groundwater-vegetation interactions in wetlands. <i>Journal of Hydrology</i> , 2011 , 409, 291-304	6	26
27	How to construct future IDF curves, under changing climate, for sites with scarce rainfall records?. <i>Hydrological Processes</i> , 2014 , 28, 3276-3287	3.3	24

26	Spatial connections in regional climate model rainfall outputs at different temporal scales: Application of network theory. <i>Journal of Hydrology</i> , 2018 , 556, 1232-1243	6	22
25	Superior Exploration/Exploitation Balance in Shuffled Complex Evolution. <i>Journal of Hydraulic Engineering</i> , 2004 , 130, 1202-1205	1.8	22
24	Assessment of CMIP5 historical simulations of rainfall over Southeast Asia. <i>Theoretical and Applied Climatology</i> , 2018 , 132, 989-1002	3	21
23	An innovative approach to improve SRTM DEM using multispectral imagery and artificial neural network. <i>Journal of Advances in Modeling Earth Systems</i> , 2016 , 8, 691-702	7.1	21
22	A deterministic hydrological approach to estimate climate change impact on river flow: Vu Gia/Thu Bon catchment, Vietnam. <i>Journal of Hydro-Environment Research</i> , 2016 , 11, 59-74	2.3	19
21	Artificial neural network for tsunami forecasting. <i>Journal of Asian Earth Sciences</i> , 2009 , 36, 29-37	2.8	19
20	Assessment of future stream flow over the Sesan catchment of the Lower Mekong Basin in Vietnam. <i>Hydrological Processes</i> , 2012 , 26, 3661-3668	3.3	18
19	Overcoming data scarcity in flood hazard assessment using remote sensing and artificial neural network. <i>Smart Water</i> , 2019 , 4,	2.9	12
18	Are satellite products good proxies for gauge precipitation over Singapore?. <i>Theoretical and Applied Climatology</i> , 2018 , 132, 921-932	3	12
17	Comment on "Nonlinear analysis of river flow time sequences" by Amilcare Porporato and Luca Ridolfi. <i>Water Resources Research</i> , 1999 , 35, 895-897	5.4	12
16	Investigating the relationship between Aerosol Optical Depth and Precipitation over Southeast Asia with Relative Humidity as an influencing factor. <i>Scientific Reports</i> , 2017 , 7, 13395	4.9	11
15	Catchment Calibration Using Fractional-Factorial and Central-Composite-Designs-Based Response Surface. <i>Journal of Hydraulic Engineering</i> , 1995 , 121, 507-510	1.8	11
14	Enhancement of chaotic hydrological time series prediction with real-time noise reduction using Extended Kalman Filter. <i>Journal of Hydrology</i> , 2018 , 565, 737-746	6	11
13	Simple-Yet-Effective SRTM DEM Improvement Scheme for Dense Urban Cities Using ANN and Remote Sensing Data: Application to Flood Modeling. <i>Water (Switzerland)</i> , 2020 , 12, 816	3	10
12	A method of estimating optimal catchment model parameters. <i>Water Resources Research</i> , 1993 , 29, 3049-3058	5.1	8
11	Future changes in rice yields over the Mekong River Delta due to climate change: Alarming or alerting?. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 545-555	3	6
10	Improving numerical forecast accuracy with ensemble Kalman filter and chaos theory: Case study on Ciliwung river model. <i>Journal of Hydrology</i> , 2014 , 512, 540-548	6	5
9	An approach for modelling the effects of changes in hydrological environmental variables on tropical primary forest vegetation. <i>Journal of Hydrology</i> , 2013 , 505, 102-112	6	4

8	Using a regional climate model to develop index-based drought insurance for sovereign disaster risk transfer. <i>Agricultural Finance Review</i> , 2021 , 81, 151-168	1.5	4
7	Satellite DEM Improvement Using Multispectral Imagery and an Artificial Neural Network. <i>Water (Switzerland)</i> , 2021 , 13, 1551	3	3
6	Flood Modelling Framework for Kuching City, Malaysia: Overcoming the Lack of Data. <i>Springer Water</i> , 2018 , 559-568	0.3	2
5	A simple clustering technique to extract subsets of data for function approximation. <i>Journal of Hydroinformatics</i> , 2015 , 17, 719-732	2.6	1
4	Rainfall intensity prediction by a spatial-temporal ensemble 2008 ,		1
3	A COMPARISON OF SUPPORT VECTOR MACHINES AND ARTIFICIAL NEURAL NETWORKS IN HYDROLOGICAL/METEOROLOGICAL TIME SERIES PREDICTION91-96		1
2	An Innovative DEM Improvement Technique for Highly Dense Urban Cities. <i>Springer Water</i> , 2020 , 229-240.3		
1	Possible Roles of Artificial Neural Networks in Hydraulic and Hydrological Models. <i>Springer Water</i> , 2020 , 529-543	0.3	