Yen-Chang Chen

List of Publications by Year
in descending order

44 papers	1,034 citations	471509 17 h-index	414414 32 g-index
45 all docs	45 docs citations	45 times ranked	850 citing authors

#	Article	IF	Citations
1	Automatic measurement and computation of stream cross-sectional area using ground penetrating radar with an adaptive filter and empirical mode decomposition. Journal of Hydrology, 2021, 600, 126665.	5.4	4
2	Estimation of surface soil moisture content using fractals. Environmental Monitoring and Assessment, 2021, 193, 91.	2.7	5
3	Discharge estimation in lined irrigation canals by using surface velocity radar. Paddy and Water Environment, 2018, 16, 857-866.	1.8	2
4	Water stage component analysis in an estuary using the Hilbert Huang transform. Terrestrial, Atmospheric and Oceanic Sciences, 2018, 29, 215-229.	0.6	2
5	Rainfall Network Optimization Using Radar and Entropy. Entropy, 2017, 19, 553.	2.2	21
6	Fast and Minimally Intrusive Method for Measuring Tidal-Stream Discharge. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	1
7	Cooling Effect of Rivers on Metropolitan Taipei Using Remote Sensing. International Journal of Environmental Research and Public Health, 2014, 11, 1195-1210.	2.6	20
8	Pollutant Flux Estimation in an Estuary Comparison between Model and Field Measurements. Environments - MDPI, 2014, 1, 107-123.	3.3	0
9	Spatiotemporal Scaling Effect on Rainfall Network Design Using Entropy. Entropy, 2014, 16, 4626-4647.	2.2	27
10	Discharge Estimation in a Lined Canal Using Information Entropy. Entropy, 2014, 16, 1728-1742.	2.2	8
11	Measurement of stream cross section using ground penetration radar with Hilbertâ€“Huang transform. Hydrological Processes, 2014, 28, 2468-2477.	2.6	6
12	Defining an estuary using the Hilbert-Huang transform. Hydrological Sciences Journal, 2013, 58, 841-853.	2.6	4
13	Estimation of phosphorus flux in rivers during flooding. Environmental Monitoring and Assessment, 2013, 185, 5653-5672.	2.7	6
14	A new approach to selecting a regionalized design hyetograph by principal component analysis and analytic hierarchy process. Paddy and Water Environment, 2013, 11, 73-85.	1.8	2
15	Discharge estimation of the Shin-Yuan Canal using indirect method. Paddy and Water Environment, 2013, 11, 217-225.	1.8	6
16	Uncertainties in the Methods of Flood Discharge Measurement. Water Resources Management, 2013, 27, 153-167.	3.9	5
17	Flood discharge measurement of a mountain river â€“ Nanshih River in Taiwan. Hydrology and Earth System Sciences, 2013, 17, 1951-1962.	4.9	14
18	Real-time discharge measurement in tidal streams by an index velocity. Environmental Monitoring and Assessment, 2012, 184, 6423-6436.	2.7	16

#	ARTICLE	IF	CITATIONS
19	Estimation of River Pollution Index in a Tidal Stream Using Kriging Analysis. International Journal of Environmental Research and Public Health, 2012, 9, 3085-3100.	2.6	34
20	Entropy and kriging approach to rainfall network design. Paddy and Water Environment, 2011, 9, 343-355.	1.8	54
21	Velocity distribution in open channels with submerged aquatic plant. Hydrological Processes, 2011, 25, 2009-2017.	2.6	20
22	A pattern-oriented approach to development of a real-time storm sewer simulation system with an SWMM model. Journal of Hydroinformatics, 2010, 12, 408-423.	2.4	4
23	Retardance coefficient of vegetated channels estimated by the Froude number. Ecological Engineering, 2009, 35, 1027-1035.	3.6	23
24	Rainfall network design using kriging and entropy. Hydrological Processes, 2008, 22, 340-346.	2.6	93
25	Determination of Optimal Water Resource Management through a Fuzzy Multiobjective Programming and Genetic Algorithm: Case Study in Kinman, Taiwan. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2008, 12, 86-95.	0.4	4
26	Integrating legacy components into a software system for storm sewer simulation. Environmental Modelling and Software, 2006, 21, 1129-1140.	4.5	10
27	Estimation of ecological high flow. Hydrological Processes, 2006, 20, 319-328.	2.6	5
28	Using System Dynamics to Simulate the Hsinchu Region Development and Water Resources. , 2006, , 1.		1
29	Implementation of a Best Management Practice (BMP) System for a Clay Mining Facility in Taiwan. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 1315-1326.	1.7	1
30	Minimum Flow Estimated By the Froude Number. , 2005, , 1.		0
31	Flow Pattern of Fish Habitats in Engineered Stream. , 2005, , 1.		0
32	An efficient method approach to large flowmeter calibration. Journal of Water Supply: Research and Technology - AQUA, 2005, 54, 283-291.	1.4	2
33	A fast method of flood discharge estimation. Hydrological Processes, 2004, 18, 1671-1684.	2.6	44
34	Estuary water-stage forecasting by using radial basis function neural network. Journal of Hydrology, 2003, 270, 158-166.	5.4	73
35	An efficient method of discharge estimation based on probability concept. Journal of Hydraulic Research/De Recherches Hydrauliques, 2003, 41, 589-596.	1.7	32
36	An efficient method of discharge measurement in tidal streams. Journal of Hydrology, 2002, 265, 212-224.	5.4	49

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37	Fuzzy Clustering Neural Network as Flood Forecasting Model. Hydrology Research, 2002, 33, 275-290.	2.7	7
38	Reservoir operation using grey fuzzy stochastic dynamic programming. Hydrological Processes, 2002, 16, 2395-2408.	2.6	46
39	Flood forecasting using radial basis function neural networks. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2001, 31, 530-535.	2.9	58
40	A counterpropagation fuzzy-neural network modeling approach to real time streamflow prediction. Journal of Hydrology, 2001, 245, 153-164.	5.4	214
41	Artificial Neural-Fuzzy Inference Networks as Flood Forecasting Models. , 2001, , 1.		0
42	Counterpropagation fuzzy-neural network for streamflow reconstruction. Hydrological Processes, 2001, 15, 219-232.	2.6	40
43	Counterpropagation fuzzyâ€“neural network for streamflow reconstruction. Hydrological Processes, 2001, 15, 219-232.	2.6	1
44	Mathematical Models of Distribution of Sediment Concentration. Journal of Hydraulic Engineering, 2000, 126, 16-23.	1.5	70