Purna C Nayak

List of Publications by Year in Descending Order

25 papers	1,597 citations
17 h-index	25 g-index
25 ext. papers	1,784 ext. citations
3.1 avg, IF	4.53 L-index

#	Paper	IF	Citations
25	Spatio-temporal analysis of rainfall pattern in the Western Ghats region of India. *Meteorology and Atmospheric Physics*, **2021**, 133, 1089-1109	2	1
24	Modeling of a River Basin Using SWAT Model. *Water Science and Technology Library*, **2018**, 707-714	0.3	3
23	Recharge source identification using isotope analysis and groundwater flow modeling for Puri city in India. *Applied Water Science*, **2017**, 7, 3583-3598	5	5
22	Trends in Rainfall and Peak Flows for some River Basins in India. *Current Science*, **2017**, 112, 1712	2.2	25
21	Drought indicators-based integrated assessment of drought vulnerability: a case study of Bundelkhand droughts in central India. *Natural Hazards*, **2016**, 81, 1627-1652	3	47
20	Spatiotemporal Analysis of Drought Characteristics in the Bundelkhand Region of Central India using the Standardized Precipitation Index. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20, 05015004	1.8	48
19	Water balance approach to study the effect of climate change on groundwater storage for Sirhind command area in India. *International Journal of River Basin Management*, **2015**, 13, 243-261	1.7	9
18	Performance evaluation and hydrological trend detection of a reservoir under climate change condition. *Modeling Earth Systems and Environment*, **2015**, 1, 1	3.2	20
17	Comprehensive evaluation of the changing drought characteristics in Bundelkhand region of Central India. *Meteorology and Atmospheric Physics*, **2015**, 127, 163-182	2	23
16	Regional Flood Frequency Analysis using Soft Computing Techniques. *Water Resources Management*, **2015**, 29, 1965-1978	3.7	20
15	Irrigation planning for sustainable rain-fed agriculture in the drought-prone Bundelkhand region of Madhya Pradesh, India. *Journal of Water and Climate Change*, **2014**, 5, 408-426	2.3	5
14	River flow forecasting through nonlinear local approximation in a fuzzy model. *Neural Computing and Applications*, **2014**, 25, 1951-1965	4.8	9
13	Rainfall-runoff modeling using conceptual, data driven, and wavelet based computing approach. *Journal of Hydrology*, **2013**, 493, 57-67	6	68
12	Comparison of multi-objective evolutionary neural network, adaptive neuro-fuzzy inference system and bootstrap-based neural network for flood forecasting. *Neural Computing and Applications*, **2013**, 23, 231-246	4.8	29
11	Hierarchical neurofuzzy model for real-time flood forecasting. *International Journal of River Basin Management*, **2013**, 11, 253-268	1.7	10
10	Time Series Modeling of River Flow Using Wavelet Neural Networks. *Journal of Water Resource and Protection*, **2011**, 03, 50-59	0.7	36
9	Explaining Internal Behavior in a Fuzzy If-Then Rule-Based Flood-Forecasting Model. *Journal of Hydrologic Engineering - ASCE*, **2010**, 15, 20-28	1.8	7

LIST OF PUBLICATIONS

8	Fuzzy model identification based on cluster estimation for reservoir inflow forecasting. *Hydrological Processes*, **2008**, 22, 827-841	3.3	19
7	Models for estimating evapotranspiration using artificial neural networks, and their physical interpretation. *Hydrological Processes*, **2008**, 22, 2225-2234	3.3	104
6	Rainfall-runoff modeling through hybrid intelligent system. *Water Resources Research*, **2007**, 43,	5.4	51
5	Groundwater Level Forecasting in a Shallow Aquifer Using Artificial Neural Network Approach. *Water Resources Management*, **2006**, 20, 77-90	3.7	227
4	Short-term flood forecasting with a neurofuzzy model. *Water Resources Research*, **2005**, 41,	5.4	172
3	Fuzzy computing based rainfall–runoff model for real time flood forecasting. *Hydrological Processes*, **2005**, 19, 955-968	3.3	124
2	A neuro-fuzzy computing technique for modeling hydrological time series. *Journal of Hydrology*, **2004**, 291, 52-66	6	460
1	Improving peak flow estimates in artificial neural network river flow models. *Hydrological Processes*, **2003**, 17, 677-686	3.3	75