Purna C Nayak

List of Publications by Year
in descending order

25 papers	2,026 citations	471061 17 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	1828 citing authors

#	Article	IF	Citations
1	Spatio-temporal analysis of rainfall pattern in the Western Ghats region of India. Meteorology and Atmospheric Physics, 2021, 133, 1089-1109.	0.9	16
2	Modeling of a River Basin Using SWAT Model. Water Science and Technology Library, 2018, , 707-714.	0.2	8
3	Recharge source identification using isotope analysis and groundwater flow modeling for Puri city in India. Applied Water Science, 2017, 7, 3583-3598.	2.8	8
4	Trends in Rainfall and Peak Flows for some River Basins in India. Current Science, 2017, 112, 1712.	0.4	41
5	Drought indicators-based integrated assessment of drought vulnerability: a case study of Bundelkhand droughts in central India. Natural Hazards, 2016, 81, 1627-1652.	1.6	78
6	Regional Flood Frequency Analysis using Soft Computing Techniques. Water Resources Management, 2015, 29, 1965-1978.	1.9	29
7	Spatiotemporal Analysis of Drought Characteristics in the Bundelkhand Region of Central India using the Standardized Precipitation Index. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	70
8	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.	1.5	13
9	Performance evaluation and hydrological trend detection of a reservoir under climate change condition. Modeling Earth Systems and Environment, 2015, 1, 1.	1.9	25
10	Comprehensive evaluation of the changing drought characteristics in Bundelkhand region of Central India. Meteorology and Atmospheric Physics, 2015, 127, 163-182.	0.9	32
11	River flow forecasting through nonlinear local approximation in a fuzzy model. Neural Computing and Applications, 2014, 25, 1951-1965.	3.2	10
12	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.	1.2	8
13	Rainfall-runoff modeling using conceptual, data driven, and wavelet based computing approach. Journal of Hydrology, 2013, 493, 57-67.	2.3	94
14	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.	3.2	40
15	Hierarchical neurofuzzy model for real-time flood forecasting. International Journal of River Basin Management, 2013, 11, 253-268.	1.5	12
16	Time Series Modeling of River Flow Using Wavelet Neural Networks. Journal of Water Resource and Protection, 2011, 03, 50-59.	0.3	45
17	Explaining Internal Behavior in a Fuzzy If-Then Rule-Based Flood-Forecasting Model. Journal of Hydrologic Engineering - ASCE, 2010, 15, 20-28.	0.8	8
18	Fuzzy model identification based on cluster estimation for reservoir inflow forecasting. Hydrological Processes, 2008, 22, 827-841.	1.1	22

#	Article	IF	Citations
19	Models for estimating evapotranspiration using artificial neural networks, and their physical interpretation. Hydrological Processes, 2008, 22, 2225-2234.	1.1	127
20	Rainfallâ€runoff modeling through hybrid intelligent system. Water Resources Research, 2007, 43, .	1.7	67
21	Groundwater Level Forecasting in a Shallow Aquifer Using Artificial Neural Network Approach. Water Resources Management, 2006, 20, 77-90.	1.9	277
22	Fuzzy computing based rainfall-runoff model for real time flood forecasting. Hydrological Processes, 2005, 19, 955-968.	1.1	145
23	Short-term flood forecasting with a neurofuzzy model. Water Resources Research, 2005, 41, .	1.7	224
24	A neuro-fuzzy computing technique for modeling hydrological time series. Journal of Hydrology, 2004, 291, 52-66.	2.3	538
25	Improving peak flow estimates in artificial neural network river flow models. Hydrological Processes, 2003, 17, 677-686.	1.1	89