# Purna C Nayak

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A neuro-fuzzy computing technique for modeling hydrological time series. Journal of Hydrology, 2004, 291, 52-66. | 2.3 | 538 |
| 2 | Groundwater Level Forecasting in a Shallow Aquifer Using Artificial Neural Network Approach. Water Resources Management, 2006, 20, 77-90. | 1.9 | 277 |
| 3 | Short-term flood forecasting with a neurofuzzy model. Water Resources Research, 2005, 41, . | 1.7 | 224 |
| 4 | Fuzzy computing based rainfall-runoff model for real time flood forecasting. Hydrological Processes, 2005, 19, 955-968. | 1.1 | 145 |
| 5 | Models for estimating evapotranspiration using artificial neural networks, and their physical interpretation. Hydrological Processes, 2008, 22, 2225-2234. | 1.1 | 127 |
| 6 | Rainfall-runoff modeling using conceptual, data driven, and wavelet based computing approach. Journal of Hydrology, 2013, 493, 57-67. | 2.3 | 94 |
| 7 | Improving peak flow estimates in artificial neural network river flow models. Hydrological Processes, 2003, 17, 677-686. | 1.1 | 89 |
| 8 | 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 |
| 9 | 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 |
| 10 | Rainfallâ€runoff modeling through hybrid intelligent system. Water Resources Research, 2007, 43, . | 1.7 | 67 |
| 11 | Time Series Modeling of River Flow Using Wavelet Neural Networks. Journal of Water Resource and Protection, 2011, 03, 50-59. | 0.3 | 45 |
| 12 | Trends in Rainfall and Peak Flows for some River Basins in India. Current Science, 2017, 112, 1712. | 0.4 | 41 |
| 13 | 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 |
| 14 | Comprehensive evaluation of the changing drought characteristics in Bundelkhand region of Central India. Meteorology and Atmospheric Physics, 2015, 127, 163-182. | 0.9 | 32 |
| 15 | Regional Flood Frequency Analysis using Soft Computing Techniques. Water Resources Management, 2015, 29, 1965-1978. | 1.9 | 29 |
| 16 | Performance evaluation and hydrological trend detection of a reservoir under climate change condition. Modeling Earth Systems and Environment, 2015, 1, 1. | 1.9 | 25 |
| 17 | Fuzzy model identification based on cluster estimation for reservoir inflow forecasting. Hydrological Processes, 2008, 22, 827-841. | 1.1 | 22 |
| 18 | Spatio-temporal analysis of rainfall pattern in the Western Ghats region of India. Meteorology and Atmospheric Physics, 2021, 133, 1089-1109. | 0.9 | 16 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 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. | 1.5 | 13 |
| 20 | Hierarchical neurofuzzy model for real-time flood forecasting. International Journal of River Basin Management, 2013, 11, 253-268. | 1.5 | 12 |
| 21 | River flow forecasting through nonlinear local approximation in a fuzzy model. Neural Computing and Applications, 2014, 25, 1951-1965. | 3.2 | 10 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Modeling of a River Basin Using SWAT Model. Water Science and Technology Library, 2018, , 707-714. | 0.2 | 8 |