

# Abinash Sahoo

## List of Publications by Year in descending order

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35  
papers

694  
citations

516215

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h-index

642321

23  
g-index

49  
all docs

49  
docs citations

49  
times ranked

168  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Study on Prediction of Monthly Streamflow Using Hybrid ANFIS-PSO Approaches. KSCE Journal of Civil Engineering, 2021, 25, 4032-4043.	0.9	44
2	Stream Flow Forecasting in Mahanadi River Basin using Artificial Neural Networks. Procedia Computer Science, 2019, 157, 168-174.	1.2	39
3	Prediction of Flood in Barak River using Hybrid Machine Learning Approaches: A Case Study. Journal of the Geological Society of India, 2021, 97, 186-198.	0.5	37
4	Monthly runoff prediction at Baitarani river basin by support vector machine based on Salp swarm algorithm. Ain Shams Engineering Journal, 2022, 13, 101732.	3.5	36
5	Estimation of flood frequency using statistical method: Mahanadi River basin, India. H2Open Journal, 2020, 3, 189-207.	0.8	31
6	Assessment of Flood Frequency using Statistical and Hybrid Neural Network Method: Mahanadi River Basin, India. Journal of the Geological Society of India, 2021, 97, 867-880.	0.5	31
7	Prediction of Flood Using Adaptive Neuro-Fuzzy Inference Systems: A Case Study. Smart Innovation, Systems and Technologies, 2020, , 733-739.	0.5	29
8	Prediction of suspended sediment concentration using hybrid SVM-WOA approaches. Geocarto International, 2022, 37, 5609-5635.	1.7	25
9	Efficacy of ANFIS-GOA technique in flood prediction: a case study of Mahanadi river basin in India. H2Open Journal, 2021, 4, 137-156.	0.8	24
10	Imputation of missing precipitation data using KNN, SOM, RF, and FNN. Soft Computing, 2022, 26, 5919-5936.	2.1	22
11	Estimation of Runoff Through BPNN and SVM in Agalpur Watershed. Advances in Intelligent Systems and Computing, 2020, , 268-275.	0.5	21
12	Flood Prediction Using Hybrid ANFIS-ACO Model: A Case Study. Lecture Notes in Networks and Systems, 2022, , 169-180.	0.5	20
13	Assessment of Sediment Load Concentration Using SVM, SVM-FFA and PSR-SVM-FFA in Arid Watershed, India: A Case Study. KSCE Journal of Civil Engineering, 2020, 24, 1944-1957.	0.9	19
14	Prediction of groundwater fluctuation based on hybrid ANFIS-GWO approach in arid Watershed, India. Soft Computing, 2022, 26, 5251-5273.	2.1	16
15	Estimation of Flood in a River Basin Through Neural Networks: A Case Study. Lecture Notes in Networks and Systems, 2021, , 755-763.	0.5	15
16	Estimation of Water Table Depth Using Wavelet-ANFIS: A Case Study. Lecture Notes in Networks and Systems, 2021, , 747-754.	0.5	14
17	Assessment of Groundwater Potential Using Neural Network: A Case Study. Advances in Intelligent Systems and Computing, 2020, , 655-664.	0.5	13
18	Prediction of groundwater-level using novel SVM-ALO, SVM-FOA, and SVM-FFA algorithms at Purba-Medinipur, India. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	13

#	ARTICLE	IF	CITATIONS
19	Prediction of runoff using BPNN, FFBPNN, CFBPNN algorithm in arid watershed: A case study. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2020, 24, 243-251.	0.7	12
20	Efficiency of River Flow Prediction in River Using Wavelet-CANFIS: A Case Study. Advances in Intelligent Systems and Computing, 2021, , 435-443.	0.5	11
21	Assessment of Flow Discharge in a River Basin Through CFBPNN, LRNN and CANFIS. Lecture Notes in Networks and Systems, 2021, , 765-773.	0.5	10
22	Flood Frequency Analysis for Menace Gauging Station of Mahanadi River, India. Journal of the Institution of Engineers (India): Series A, 2021, 102, 737-748.	0.6	9
23	MLP-WOA Is a Successful Algorithm for Estimating Sediment Load in Kalahandi Gauge Station, India. Lecture Notes in Networks and Systems, 2022, , 319-329.	0.5	9
24	Multilayer perceptron and support vector machine trained with grey wolf optimiser for predicting floods in Barak river, India. Journal of Earth System Science, 2022, 131, 1.	0.6	9
25	Effect of water absorption and curing period on strength and porosity of triple blended concrete. Materials Today: Proceedings, 2021, 43, 2162-2169.	0.9	8
26	Modelling response of infiltration loss toward water table depth using RBFN, RNN, ANFIS techniques. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2021, 25, 227-234.	0.7	7
27	Prophecy of Groundwater Level Using Hybrid ANFIS-BBO Approach. Lecture Notes in Networks and Systems, 2022, , 273-283.	0.5	6
28	Evaluating the application of metaheuristic approaches for flood simulation using GIS: A case study of Baitarani river Basin, India. Materials Today: Proceedings, 2022, 61, 452-465.	0.9	6
29	A Hybrid SVM-ABC Model for Monthly Stream Flow Forecasting. Lecture Notes in Electrical Engineering, 2022, , 315-324.	0.3	5
30	Improving accuracy of SVM for monthly sediment load prediction using Harris hawks optimization. Materials Today: Proceedings, 2022, 61, 604-617.	0.9	5
31	Hybrid ANFIS-PSO Model for Monthly Precipitation Forecasting. Smart Innovation, Systems and Technologies, 2022, , 349-359.	0.5	4
32	Watershed Management and Applications of AI. , 0, , .		2
33	Temperature Prediction Using Hybrid MLP-GOA Algorithm in Keonjhar, Odisha: A Case Study. Smart Innovation, Systems and Technologies, 2022, , 319-330.	0.5	1
34	Water Table Depth Forecasting Based on Hybrid Wavelet Neural Network Model. Smart Innovation, Systems and Technologies, 2022, , 233-242.	0.5	1
35	Performance Evaluation of hybrid ANFIS model for Flood Prediction. , 2022, , .		1