Sandeep Samantaray

List of Publications by Year
in descending order

60 papers	846 citations	516710 16 h-index	642732 23 g-index
87 all docs	87 docs citations	87 times ranked	275 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.	1.9	44
2	Stream Flow Forecasting in Mahanadi River Basin using Artificial Neural Networks. Procedia Computer Science, 2019, 157, 168-174.	2.0	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.	1.1	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.	6.1	36
5	Estimation of flood frequency using statistical method: Mahanadi River basin, India. H2Open Journal, 2020, 3, 189-207.	1.7	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.	1.1	31
7	Prediction of Flood Using Adaptive Neuro-Fuzzy Inference Systems: A Case Study. Smart Innovation, Systems and Technologies, 2020, , 733-739.	0.6	29
8	Prediction of suspended sediment concentration using hybrid SVM-WOA approaches. Geocarto International, 2022, 37, 5609-5635.	3.5	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.	1.7	24
10	Evaluation of suspended sediment concentration using descent neural networks. Procedia Computer Science, 2018, 132, 1824-1831.	2.0	23
11	Modelling sediment concentration using back propagation neural network and regression coupled with genetic algorithm. Procedia Computer Science, 2018, 125, 85-92.	2.0	22
12	Estimation of Runoff Through BPNN and SVM in Agalpur Watershed. Advances in Intelligent Systems and Computing, 2020, , 268-275.	0.6	21
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.	1.9	19
14	Sediment assessment for a watershed in arid region via neural networks. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	17
15	Combined effect of waste glass powder and recycled steel fibers on mechanical behavior of concrete. SN Applied Sciences, 2021, 3, 1.	2.9	16
16	Prediction of groundwater fluctuation based on hybrid ANFIS-GWO approach in arid Watershed, India. Soft Computing, 2022, 26, 5251-5273.	3.6	16
17	Estimation of Flood in a River Basin Through Neural Networks: A Case Study. Lecture Notes in Networks and Systems, 2021, , 755-763.	0.7	15
18	Modelling runoff in an arid watershed through integrated support vector machine. H2Open Journal, 2020, 3, 256-275.	1.7	14

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19	Estimation of Water Table Depth Using Wavelet-ANFIS: A Case Study. Lecture Notes in Networks and Systems, 2021, , 747-754.	0.7	14
20	Assessment of Groundwater Potential Using Neural Network: A Case Study. Advances in Intelligent Systems and Computing, 2020, , 655-664.	0.6	13
21	Prediction of S12-MKII rainfall simulator experimental runoff data sets using hybrid PSR-SVM-FFA approaches. Journal of Water and Climate Change, 2022, 13, 707-734.	2.9	13
22	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.	1.3	13
23	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.	1.0	12
24	Effect of silica fume on engineering properties of expansive soil. Materials Today: Proceedings, 2020, 33, 5035-5040.	1.8	11
25	Efficiency of River Flow Prediction in River Using Wavelet-CANFIS: A Case Study. Advances in Intelligent Systems and Computing, 2021, , 435-443.	0.6	11
26	Assessment of Flow Discharge in a River Basin Through CFBPNN, LRNN and CANFIS. Lecture Notes in Networks and Systems, 2021, , 765-773.	0.7	10
27	Sedimentation Process and Its Assessment Through Integrated Sensor Networks and Machine Learning Process. Studies in Computational Intelligence, 2019, , 473-488.	0.9	9
28	Assessment of Suspended Sediment Load with Neural Networks in Arid Watershed. Journal of the Institution of Engineers (India): Series A, 2020, 101, 371-380.	1.2	9
29	Dynamic Modelling of Runoff in a Watershed Using Artificial Neural Network. Smart Innovation, Systems and Technologies, 2019, , 561-568.	0.6	9
30	MLP-WOA Is a Successful Algorithm for Estimating Sediment Load in Kalahandi Gauge Station, India. Lecture Notes in Networks and Systems, 2022, , 319-329.	0.7	9
31	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.	1.3	9
32	Effect of water absorption and curing period on strength and porosity of triple blended concrete. Materials Today: Proceedings, 2021, 43, 2162-2169.	1.8	8
33	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.	1.0	7
34	Estimating Runoff Using Feed-Forward Neural Networks in Scarce Rainfall Region. Smart Innovation, Systems and Technologies, 2019, , 53-64.	0.6	7
35	Modelling runoff in a river basin, India: an integration for developing un-gauged catchment. International Journal of Hydrology Science and Technology, 2020, 10, 248.	0.3	6
36	Study of effect of temperature on behavior of alkali activated slag concrete. Materials Today: Proceedings, 2021, 43, 1352-1357.	1.8	6

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37	Prophecy of Groundwater Level Using Hybrid ANFIS-BBO Approach. Lecture Notes in Networks and Systems, 2022, , 273-283.	0.7	6
38	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.	1.8	6
39	Integrated Sensor Networking for Estimating Ground Water Potential in Scanty Rainfall Region: Challenges and Evaluation. Studies in Computational Intelligence, 2019, , 335-352.	0.9	5
40	Impact of Fly Ash and Metakaoline on the Crack Resistance and Shrinkage of Concrete. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 2011-2026.	1.9	5
41	A Hybrid SVM–ABC Model for Monthly Stream Flow Forecasting. Lecture Notes in Electrical Engineering, 2022, , 315-324.	0.4	5
42	Improving accuracy of SVM for monthly sediment load prediction using Harris hawks optimization. Materials Today: Proceedings, 2022, 61, 604-617.	1.8	5
43	Flow forecasting of hirakud reservoir with ARIMA model. , 2017, , .		4
44	Mechanical behaviour of high strength concrete modified with triple blend of fly ash, silica fume and steel fibers. Materials Today: Proceedings, 2022, 65, 933-942.	1.8	4
45	Hybrid ANFIS-PSO Model for Monthly Precipitation Forecasting. Smart Innovation, Systems and Technologies, 2022, , 349-359.	0.6	4
46	Derivation of Optimal Cropping Pattern in Part of Hirakud Command using Cuckoo Search. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012068.	0.6	3
47	CONJUNCTIVE USE OF GROUNDWATER AND SURFACE WATER IN A PART OF HIRAKUD COMMAND AREA. International Journal of Engineering and Technology, 2017, 9, 3002-3010.	0.1	2
48	Modelling runoff in a river basin, India: an integration for developing un-gauged catchment. International Journal of Hydrology Science and Technology, 2020, 10, 248.	0.3	2
49	Runoff is a Key Constraint Toward Water Table Fluctuation Using Neural Networks: A Case Study. Lecture Notes in Networks and Systems, 2021, , 737-745.	0.7	2
50	Discharge Measurement in Part of Hirakud Canal System, Odisha, India, Using Chiu's Equation. Journal of the Institution of Engineers (India): Series A, 2019, 100, 479-486.	1.2	1
51	Coupling effect of fly ash, metakaoline and different types of steel fibers on mechanical performance of concrete. AIP Conference Proceedings, 2021, , .	0.4	1
52	Temperature Prediction Using Hybrid MLP-GOA Algorithm in Keonjhar, Odisha: A Case Study. Smart Innovation, Systems and Technologies, 2022, , 319-330.	0.6	1
53	Water Table Depth Forecasting Based on Hybrid Wavelet Neural Network Model. Smart Innovation, Systems and Technologies, 2022, , 233-242.	0.6	1
54	Removal of Turbidity Using Dual Media Filter. , 2018, , .		0

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55	Scheming of Runoff Using Hybrid ANFIS for a Watershed: Western Odisha, India. , 2021, , 237-258.		0
56	Application of Hybrid Neural Network Techniques for Drought Forecasting. , 2021, , 259-288.		0
57	Prediction of Flood Using Hybrid ANFIS-FFA Approaches in Barak River Basin. , 2021, , 191-210.		0
58	Application of Artificial Intelligence for Prediction of Ground Water Fluctuation. , 2021, , 171-190.		0
59	Water Quality Management in Watershed. , 2021, , 77-92.		0
60	Sediment Sampling and Transport. , 2021, , 133-150.		0