Paresh Chandra Deka

List of Publications by Year in Descending Order

36 papers	**1,073** citations
17 h-index	**32** g-index
38 ext. papers	**1,347** ext. citations
3.5 avg, IF	**5.3** L-index

#	Paper	IF	Citations
36	Machine learning-based modeling of saturated hydraulic conductivity in soils of tropical semi-arid zone of India. *Sadhana - Academy Proceedings in Engineering Sciences*, **2022**, 47, 1	1	0
35	Spatio-temporal classification and prediction of land use and land cover change for the Vembanad Lake system, Kerala: a machine learning approach. *Environmental Science and Pollution Research*, **2021**, 1	5.1	6
34	Assessing the impact of 2018 tropical rainfall and the consecutive flood-related damages for the state of Kerala, India **2021**, 379-395		2
33	Performance enhancement of SVM model using discrete wavelet transform for daily streamflow forecasting. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	5
32	Hybrid wavelet packet machine learning approaches for drought modeling. *Environmental Earth Sciences*, **2020**, 79, 1	2.9	17
31	A basic review of fuzzy logic applications in hydrology and water resources. *Applied Water Science*, **2020**, 10, 1	5	20
30	Fuzzy and improved fuzzy-wavelet approach in modeling municipal residential water consumption estimation using climatic variables. *Soft Computing*, **2020**, 24, 11213-11222	3.5	2
29	Assessment of potentially vulnerable zones using geospatial approach along the coast of Cuddalore district, East coast of India. *ISH Journal of Hydraulic Engineering*, **2020**, 1-11	1.5	10
28	Remote sensing and GIS application in assessment of coastal vulnerability and shoreline changes: a review. *ISH Journal of Hydraulic Engineering*, **2019**, 1-13	1.5	16
27	Dew Point Temperature Estimation: Application of Artificial Intelligence Model Integrated with Nature-Inspired Optimization Algorithms. *Water (Switzerland)*, **2019**, 11, 742	3	52
26	Artificial intelligence approaches for spatial modeling of streambed hydraulic conductivity. *Acta Geophysica*, **2019**, 67, 891-903	2.2	8
25	Evaluating the Performance of CHIRPS Satellite Rainfall Data for Streamflow Forecasting. *Water Resources Management*, **2019**, 33, 3913-3927	3.7	13
24	Estimation of dew point temperature using SVM and ELM for humid and semi-arid regions of India. *ISH Journal of Hydraulic Engineering*, **2018**, 24, 190-197	1.5	9
23	Estimation of saturated hydraulic conductivity using fuzzy neural network in a semi-arid basin scale for murum soils of India. *ISH Journal of Hydraulic Engineering*, **2018**, 24, 140-146	1.5	6
22	Variability of streambed hydraulic conductivity in an intermittent stream reach regulated by Vented Dams: A case study. *Journal of Hydrology*, **2018**, 562, 477-491	6	9
21	Performance evaluation of hybrid Wavelet-ANN and Wavelet-ANFIS models for estimating evapotranspiration in arid regions of India. *Neural Computing and Applications*, **2017**, 28, 275-285	4.8	19
20	Daily pan evaporation modeling in climatically contrasting zones with hybridization of wavelet transform and support vector machines. *Paddy and Water Environment*, **2017**, 15, 711-722	1.6	17

19	Factors influencing streamed hydraulic conductivity and their implications on stream-aquifer interaction: a conceptual review. *Environmental Science and Pollution Research*, **2017**, 24, 24765-24789	5.1	22
18	Wavelet coupled MARS and M5 Model Tree approaches for groundwater level forecasting. *Journal of Hydrology*, **2017**, 553, 356-373	6	63
17	Offshore wind power resource assessment using Oceansat-2 scatterometer data at a regional scale. *Applied Energy*, **2016**, 176, 157-170	10.7	34
16	An extreme learning machine approach for modeling evapotranspiration using extrinsic inputs. *Computers and Electronics in Agriculture*, **2016**, 121, 385-392	6.5	69
15	Modeling of Air Temperature using ANFIS by Wavelet Refined Parameters. *International Journal of Intelligent Systems and Applications*, **2016**, 8, 25-34	1.5	8
14	Multistep Ahead Groundwater Level Time-Series Forecasting Using Gaussian Process Regression and ANFIS. *Advances in Intelligent Systems and Computing*, **2016**, 289-302	0.4	11
13	Forecasting of Time Series Significant Wave Height Using Wavelet Decomposed Neural Network. *Aquatic Procedia*, **2015**, 4, 540-547		23
12	Sustainable Development and Management of Groundwater Resources in Mining Affected Areas: A Review. *Procedia Earth and Planetary Science*, **2015**, 11, 598-604		16
11	Forecasting daily pan evaporation using hybrid model of wavelet transform and support vector machines. *International Journal of Hydrology Science and Technology*, **2015**, 5, 274	1.5	1
10	Comparison of Oceansat-2 scatterometer- to buoy-recorded winds and spatial distribution over the Arabian Sea during the monsoon period. *International Journal of Remote Sensing*, **2015**, 36, 4632-4651	3.1	3
9	Fuzzy system modeling for forecasting water quality index in municipal distribution system. *Urban Water Journal*, **2015**, 12, 89-110	2.3	16
8	Forecasting monthly groundwater level fluctuations in coastal aquifers using hybrid Wavelet packet–support vector regression. *Cogent Engineering*, **2015**, 2, 999414	1.5	32
7	Support vector machine applications in the field of hydrology: A review. *Applied Soft Computing Journal*, **2014**, 19, 372-386	7.5	364
6	Discrete wavelet neural network approach in significant wave height forecasting for multistep lead time. *Ocean Engineering*, **2012**, 43, 32-42	3.9	48
5	Fuzzy Neural Network Modeling of Reservoir Operation. *Journal of Water Resources Planning and Management - ASCE*, **2009**, 135, 5-12	2.8	27
4	Neural Network Based Decision Support Model for Optimal Reservoir Operation. *Water Resources Management*, **2005**, 19, 447-464	3.7	43
3	Fuzzy Neural Network Model for Hydrologic Flow Routing. *Journal of Hydrologic Engineering - ASCE*, **2005**, 10, 302-314	1.8	31
2	A fuzzy neural network model for deriving the river stage–discharge relationship. *Hydrological Sciences Journal*, **2003**, 48, 197-209	3.5	47

1   Artificial intelligence application in drought assessment, monitoring and forecasting: a review.
Stochastic Environmental Research and Risk Assessment,1   3.5   4

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