Comparison of Deep Learning Techniques for River Stre

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Citation Report

#	Article	IF	CITATIONS
1	Development of an Extreme Gradient Boosting Model Integrated With Evolutionary Algorithms for Hourly Water Level Prediction. IEEE Access, 2021, 9, 125853-125867.	4.2	27
2	Water Flow Forecasting Based on River Tributaries Using Long Short-Term Memory Ensemble Model. Energies, 2021, 14, 7707.	3.1	7
3	Hourly streamflow forecasting using a Bayesian additive regression tree model hybridized with a genetic algorithm. Journal of Hydrology, 2022, 606, 127445.	5.4	30
4	RainPredRNN: A New Approach for Precipitation Nowcasting with Weather Radar Echo Images Based on Deep Learning. Axioms, 2022, 11, 107.	1.9	15
5	Short-Term Streamflow Forecasting Using Hybrid Deep Learning Model Based on Grey Wolf Algorithm for Hydrological Time Series. Sustainability, 2022, 14, 3352.	3.2	20
6	A multivariate EMD-LSTM model aided with Time Dependent Intrinsic Cross-Correlation for monthly rainfall prediction. Applied Soft Computing Journal, 2022, 123, 108941.	7.2	29
7	Multi-step-ahead water level forecasting for operating sluice gates in Hai Duong, Vietnam. Environmental Monitoring and Assessment, 2022, 194, .	2.7	6
9	LSTM-Based Deformation Prediction Model of the Embankment Dam of the Danjiangkou Hydropower Station. Water (Switzerland), 2022, 14, 2464.	2.7	7
10	Stacked machine learning algorithms and bidirectional long short-term memory networks for multi-step ahead streamflow forecasting: A comparative study. Journal of Hydrology, 2022, 613, 128431.	5.4	45
11	Using Deep Learning Algorithms for Intermittent Streamflow Prediction in the Headwaters of the Colorado River, Texas. Water (Switzerland), 2022, 14, 2972.	2.7	10
12	Prediction of sunflower grain yield under normal and salinity stress by RBF, MLP and, CNN models. Industrial Crops and Products, 2022, 189, 115762.	5.2	16
13	Multi-scale impact of climate change and cascade reservoirs on hydrothermal regime alteration in regulated rivers. Journal of Hydrology: Regional Studies, 2022, 44, 101220.	2.4	1
14	A graph neural network (GNN) approach to basin-scale river network learning: the role of physics-based connectivity and data fusion. Hydrology and Earth System Sciences, 2022, 26, 5163-5184.	4.9	15
15	A Decomposition-based Multi-model and Multi-parameter ensemble forecast framework for monthly streamflow forecasting. Journal of Hydrology, 2023, 618, 129083.	5.4	6
16	Comparison of bias-corrected multisatellite precipitation products by deep learning framework. International Journal of Applied Earth Observation and Geoinformation, 2023, 116, 103177.	1.9	4
17	Monthly streamflow prediction and performance comparison of machine learning and deep learning methods. Acta Geophysica, 0, , .	2.0	2
18	Intercomparing LSTM and RNN to a Conceptual Hydrological Model for a Low-Land River with a Focus on the Flow Duration Curve. Water (Switzerland), 2023, 15, 505.	2.7	4
19	ML-Based Streamflow Prediction in the Upper Colorado River Basin Using Climate Variables Time Series Data. Hydrology, 2023, 10, 29.	3.0	9

#	ARTICLE	IF	CITATIONS
20	A Novel Framework for Correcting Satellite-Based Precipitation Products for Watersheds with Discontinuous Observed Data, Case Study in Mekong River Basin. Remote Sensing, 2023, 15, 630.	4.0	3
21	Daily streamflow prediction based on the long short-term memory algorithm: a case study in the Vietnamese Mekong Delta. Journal of Water and Climate Change, 0, , .	2.9	0
22	A novel global solar exposure forecasting model based on air temperature: Designing a new multi-processing ensemble deep learning paradigm. Expert Systems With Applications, 2023, 222, 119811.	7.6	4
23	Long-run forecasting surface and groundwater dynamics from intermittent observation data: An evaluation for 50 years. Science of the Total Environment, 2023, 880, 163338.	8.0	1
24	A dataâ€driven approach for flood prediction using gridâ€based meteorological data. Hydrological Processes, 2023, 37, .	2.6	3
25	Towards an efficient streamflow forecasting method for event-scales in Ca River basin, Vietnam. Journal of Hydrology: Regional Studies, 2023, 46, 101328.	2.4	2
26	Assessing climate change impact on river flow extreme events in different climates of Iran using hybrid application of LARS-WG6 and rainfall-runoff modeling of deep learning. Ecohydrology and Hydrobiology, 2023, 23, 224-239.	2.3	2
27	Comparative Study for Daily Streamflow Simulation with Different Machine Learning Methods. Water (Switzerland), 2023, 15, 1179.	2.7	12
28	Surface Water Monitoring Systemsâ€"The Importance of Integrating Information Sources for Sustainable Watershed Management. IEEE Access, 2023, 11, 36421-36451.	4.2	2
29	Short-term forecasts of streamflow in the UK based on a novel hybrid artificial intelligence algorithm. Scientific Reports, 2023, $13$ , .	3.3	10
31	Monthly River Discharge Forecasting Using Hybrid Models Based on Extreme Gradient Boosting Coupled with Wavelet Theory and LA®vya€"Jaya Optimization Algorithm. Water Resources Management, 2023, 37, 3953-3972.	3.9	4
32	Neuroforecasting of daily streamflows in the UK for short- and medium-term horizons: A novel insight. Journal of Hydrology, 2023, 624, 129888.	5.4	18
33	Large-scale seasonal forecasts of river discharge by coupling local and global datasets with a stacked neural network: Case for the Loire River system. Science of the Total Environment, 2023, 897, 165494.	8.0	4
34	Performance Comparison of Bias-Corrected Satellite Precipitation Products by Various Deep Learning Schemes. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1.	6.3	0
35	Monthly runoff prediction based on a coupled VMD-SSA-BiLSTM model. Scientific Reports, 2023, $13$ , .	3.3	2
36	Application of machine learning models in assessing the hydrological changes under climate change in the transboundary 3S River Basin. Journal of Water and Climate Change, 2023, 14, 2902-2918.	2.9	2
37	Streamflow Prediction in the Mekong River Basin Using Deep Neural Networks. IEEE Access, 2023, 11, 97930-97943.	4.2	1
38	Stochastic (S[ARIMA]), shallow (NARnet, NAR-GMDH, OS-ELM), and deep learning (LSTM, Stacked-LSTM,) Tj ETÇ	0q1 <sub>2</sub> 1 <sub>0</sub> 0.78	43]4 rgBT /O

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#	ARTICLE	IF	CITATIONS
39	Deep neural network-based discharge prediction for upstream hydrological stations: a comparative study. Earth Science Informatics, $0$ , , .	3.2	O
40	A Comparative Study on Forecasting of Long-term Daily Streamflow using ANN, ANFIS, BiLSTM and CNN-GRU-LSTM. Water Resources Management, 2023, 37, 4769-4785.	3.9	9
41	CNN deep learning performance in estimating nitrate uptake by maize and root zone losses under surface drip irrigation. Journal of Hydrology, 2023, 625, 130148.	5.4	0
42	Data assimilation application in prediction of flowrate for a sustainable groundwater resource: Falaj Al-Khatmain, Oman. Sustainable Water Resources Management, 2023, 9, .	2.1	0
43	A review of hybrid deep learning applications for streamflow forecasting. Journal of Hydrology, 2023, 625, 130141.	5.4	8
45	An active learning convolutional neural network for predicting river flow in a human impacted system. Frontiers in Water, 0, 5, .	2.3	0
46	Enhanced variational mode decomposition with deep learning SVM kernels for river streamflow forecasting. Environmental Earth Sciences, 2023, 82, .	2.7	1
47	Ungauged Basin Flood Prediction Using Long Short-Term Memory and Unstructured Social Media Data. Water (Switzerland), 2023, 15, 3818.	2.7	0
48	Predicting River Discharge in the Niger River Basin: A Deep Learning Approach. Applied Sciences (Switzerland), 2024, 14, 12.	2.5	0
50	A comparative study of Machine Learning and Deep Learning methods for flood forecasting in the Far-North region, Cameroon. Scientific African, 2024, 23, e02053.	1.5	2
51	Applications of machine learning to water resources management: A review of present status and future opportunities. Journal of Cleaner Production, 2024, 441, 140715.	9.3	0
52	Improving urban flood prediction using LSTM-DeepLabv3+ and Bayesian optimization with spatiotemporal feature fusion. Journal of Hydrology, 2024, 630, 130743.	5.4	0
53	Long-term streamflow forecasting in data-scarce regions: Insightful investigation for leveraging satellite-derived data, Informer architecture, and concurrent fine-tuning transfer learning. Journal of Hydrology, 2024, 631, 130772.	5.4	0
54	A Comparison of Long Short-Term Memory and Artificial Neural Network for Water Level Forecasting at Klang Gates Dam. Water Resources Development and Management, 2023, , 145-157.	0.4	0
55	Deep learning-driven regional drought assessment: an optimized perspective. Earth Science Informatics, 2024, 17, 1523-1537.	3.2	0
56	Application of graph neural networks to forecast urban flood events: the case study of the 2013 flood of the Bow River, Calgary, Canada. International Journal of River Basin Management, 0, , 1-18.	2.7	0