Streamflow forecasting using least-squares support vec

Hydrological Sciences Journal
57, 1275-1293
DOI: 10.1080/02626667.2012.714468

Citation Report

#	Article	IF	Citations
1	A Conjunction Method of Wavelet Transform-Particle Swarm Optimization-Support Vector Machine for Streamflow Forecasting. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.4	16
2	Nonlinear prediction of river flow in different watershed acreage. KSCE Journal of Civil Engineering, 2014, 18, 2268-2274.	0.9	7
3	Research on runoff prediction based on wavelet transform and least squares support vector machines model. , 2014, , .		0
4	Fishery landing forecasting using EMD-based least square support vector machine models. AIP Conference Proceedings, 2015, , .	0.3	0
5	Estimation of Failure Rate in Water Distribution Network Using Fuzzy Clustering and LS-SVM Methods. Water Resources Management, 2015, 29, 1575-1590.	1.9	70
6	A Hybrid of EEMD and LSSVM-PSO model for Tourist Demand Forecasting. Indian Journal of Science and Technology, 2016, 9, .	0.5	2
7	MULTIPLE TIME-SCALES NONLINEAR PREDICTION OF RIVER FLOW USING CHAOS APPROACH. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
8	Improving Forecasting Accuracy of Streamflow Time Series Using Least Squares Support Vector Machine Coupled with Data-Preprocessing Techniques. Water Resources Management, 2016, 30, 747-766.	1.9	43
9	Monthly Mean Streamflow Prediction Based on Bat Algorithm-Support Vector Machine. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	28
10	Support Vector Regression Prediction and Analysis of the Copper (II) Biosorption Efficiency. Indian Chemical Engineer, 2017, 59, 295-311.	0.9	20
12	The comparison of NN, SVR, LSSVR and ANFIS at modeling meteorological and remotely sensed drought indices over the eastern district of Isfahan, Iran. Natural Hazards, 2017, 87, 1507-1522.	1.6	13
13	Prediction of Stream Flow in Humid Tropical Rivers by Support Vector Machines. MATEC Web of Conferences, 2017, 111, 01007.	0.1	8
14	Optimization of the Garzan Hydropower System operations. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	2
15	Spaceâ€“time forecasting of groundwater level using a hybrid soft computing model. Hydrological Sciences Journal, 2017, 62, 561-574.	1.2	18
16	A New Approach for Modeling Sediment-Discharge Relationship: Local Weighted Linear Regression. Water Resources Management, 2017, 31, 1-23.	1.9	60
17	Least Squares Support Vector Machine for Ranking Solutions of Multi-Objective Water Resources Allocation Optimization Models. Water (Switzerland), 2017, 9, 257.	1.2	2
18	Improving Accuracy of River Flow Forecasting Using LSSVR with Gravitational Search Algorithm. Advances in Meteorology, 2017, 2017, 1-23.	0.6	44
19	Estimation of Container Traffic at Seaports by Using Several Soft Computing Methods: A Case of Turkish Seaports. Discrete Dynamics in Nature and Society, 2017, 2017, 1-15.	0.5	23

#	Article	IF	Citations
20	Hydrological Time Series Forecasting Using Three Different Heuristic Regression Techniques. , 2017, , 45-65.		15
21	An EMD-Based Chaotic Least Squares Support Vector Machine Hybrid Model for Annual Runoff Forecasting. Water (Switzerland), 2017, 9, 153.	1.2	43
22	Chaos-based multigene genetic programming: A new hybrid strategy for river flow forecasting. Journal of Hydrology, 2018, 562, 455-467.	2.3	48
23	A data-driven SVR model for long-term runoff prediction and uncertainty analysis based on the Bayesian framework. Theoretical and Applied Climatology, 2018, 133, 137-149.	1.3	56
24	Machine Learning Models Coupled with Variational Mode Decomposition: A New Approach for Modeling Daily Rainfall-Runoff. Atmosphere, 2018, 9, 251.	1.0	44
25	Effect of Dimensionality Reductions Technique in Modelling and Forecasting River Flow. International Journal of Engineering and Technology(UAE), 2018, 7, 573.	0.2	1
26	Estimation of the operating temperature of photovoltaic modules using artificial intelligence techniques and global sensitivity analysis: A comparative approach. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	15
27	Survey of different data-intelligent modeling strategies for forecasting air temperature using geographic information as model predictors. Computers and Electronics in Agriculture, 2018, 152, 242-260.	3.7	62
28	Estimating the bulk density in 0â€“ 20 cm of tilled soils in Chinaâ€™s Loess Plateau using support vector machine modeling. Communications in Soil Science and Plant Analysis, 2019, 50, 1753-1763.	0.6	1
29	Enhancing streamflow forecasting using the augmenting ensemble procedure coupled machine learning models: case study of Aswan High Dam. Hydrological Sciences Journal, 2019, 64, 1629-1646.	1.2	42
30	Spatial prediction of shallow landslide using Bat algorithm optimized machine learning approach: A case study in Lang Son Province, Vietnam. Advanced Engineering Informatics, 2019, 42, 100978.	4.0	37
31	Incorporating synoptic-scale climate signals for streamflow modelling over the Mediterranean region using machine learning models. Hydrological Sciences Journal, 2019, 64, 1240-1252.	1.2	62
32	Development of the FCM-SVR Hybrid Model for Estimating the Suspended Sediment Load. KSCE Journal of Civil Engineering, 2019, 23, 2514-2523.	0.9	15
33	Prediction of uniaxial compressive strength of carbonate rocks from nondestructive tests using multivariate regression and LS-SVM methods. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	34
34	Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. Soft Computing, 2019, 23, 12897-12910.	2.1	39
35	Modeling of flow boiling heat transfer coefficient of R11 in mini-channels using support vector machines and its comparative analysis with the existing correlations. Heat and Mass Transfer, 2019, 55, 151-164.	1.2	9
36	Predicting the geometry of regime rivers using M5 model tree, multivariate adaptive regression splines and least square support vector regression methods. International Journal of River Basin Management, 2019, 17, 333-352.	1.5	19
37	Monthly long-term rainfall estimation in Central India using M5Tree, MARS, LSSVR, ANN and GEP models. Neural Computing and Applications, 2019, 31, 6843-6862.	3.2	44

#	Article	IF	Citations
38	Artificial intelligence (AI)-based friction factor models for large piping networks. Chemical Engineering Communications, 2020, 207, 213-230.	1.5	7
39	Predictability of Monthly Streamflow Time Series and its Relationship with Basin Characteristics: an Empirical Study Based on the MOPEX Basins. Water Resources Management, 2020, 34, 4991-5007.	1.9	6
40	Prediction of voltage required for nonthermal plasma based diesel exhaust treatment for removal of nitrogen oxides. Environmental Science and Pollution Research, 2020, 27, 11195-11201.	2.7	1
41	Comparison of local and global approximators in multivariate chaotic forecasting of daily streamflow. Hydrological Sciences Journal, 2020, 65, 1129-1144.	1.2	8
42	Regression-based models for prediction of oxides of nitrogen in diesel exhaust with electric discharge-based treatment. International Journal of Environmental Science and Technology, 2020, 17, 2731-2742.	1.8	2
43	Streamflow forecasting. , 2021, , 1-50.		13
44	Performance enhancement of SVM model using discrete wavelet transform for daily streamflow forecasting. Environmental Earth Sciences, 2021, 80, 1.	1.3	25
45	Coupling Singular Spectrum Analysis with Least Square Support Vector Machine to Improve Accuracy of SPI Drought Forecasting. Water Resources Management, 2021, 35, 847-868.	1.9	30
46	An integrated Bayesian least-squares-support-vector-machine factorial-analysis (B-LSVM-FA) method for inferring inflow from the Amu Darya to the Aral Sea under ensemble prediction. Journal of Hydrology, 2021, 594, 125909.	2.3	10
47	Enhanced streamflow prediction with SWAT using support vector regression for spatial calibration: A case study in the Illinois River watershed, U.S.. PLoS ONE, 2021, 16, e0248489.	1.1	13
48	A workflow to address pitfalls and challenges in applying machine learning models to hydrology. Advances in Water Resources, 2021, 152, 103920.	1.7	18
49	Sourcing CHIRPS precipitation data for streamflow forecasting using intrinsic time-scale decomposition based machine learning models. Hydrological Sciences Journal, 2021, 66, 1437-1456.	1.2	16
50	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
51	Leveraging multi-model season-ahead streamflow forecasts to trigger advanced flood preparedness in Peru. Natural Hazards and Earth System Sciences, 2021, 21, 2215-2231.	1.5	1
52	Probabilistic urban water demand forecasting using wavelet-based machine learning models. Journal of Hydrology, 2021, 600, 126358.	2.3	28
53	Probability and Statistical Theory for Hydrometeorology. , 2018, , 1-34.		1
54	Comparison of stochastic and machine learning methods for multi-step ahead forecasting of hydrological processes. Stochastic Environmental Research and Risk Assessment, 2019, 33, 481-514.	1.9	80
55	Prediction of flow rate of karstic springs using support vector machines. Hydrological Sciences Journal, 2017, 62, 2175-2186.	1.2	14

#	Article	IF	Citations
56	A Hybrid Model for Stream Flow Forecasting Using Wavelet and Least Squares Support Vector Machines. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.3	6
57	Estimation of Discharge Using LS-SVM and Model Trees. Journal of Water Resources and Ocean Science, 2016, 5, 78.	0.4	2
58	A Comprehensive Survey on Support Vector Machine in Data Mining Tasks: Applications & Challenges. International Journal of Database Theory and Application, 2015, 8, 169-186.	0.2	104
59	STREAMFLOW FORECASTING IN BUKIT MERAH WATERSHED BY USING ARIMA AND ANN. Portal Jurnal Teknik Sipil, 2018, 9, .	0.0	3
61	Study of Time Series Data Mining for the Real Time Hydrological Forecasting: A Review. International Journal of Computer Applications, 2015, 117, 6-17.	0.2	1
62	Probability and Statistical Theory for Hydrometeorology. , 2019, , 1429-1462.		0
63	Analysis and predictive validity of Kelantan River flow using RQA and time series analysis. Kuwait Journal of Science, 2020, 48, .	0.6	0
64	Deterministic tools to estimate induction time for methane hydrate formation in the presence of Luvicap 55 W solutions. Journal of Molecular Liquids, 2022, 348, 118374.	2.3	6
65	A hybrid approach based on simulation, optimization, and estimation of conjunctive use of surface water and groundwater resources. Environmental Science and Pollution Research, 2022, 29, 56828-56844.	2.7	5
66	Response Surface Models Using the Wavelet Technique for Reservoir Inflow Prediction. Mathematical Problems in Engineering, 2022, 2022, 1-10.	0.6	1
67	A Hybrid SVMâ€“ABC Model for Monthly Stream Flow Forecasting. Lecture Notes in Electrical Engineering, 2022, , 315-324.	0.3	5
70	Application of Hybrid Support Vector Machine model for Streamflow Prediction in Barak valley, India. IOP Conference Series: Earth and Environmental Science, 2022, 1032, 012016.	0.2	0
71	Prediction of hydropower generation via machine learning algorithms at three Gorges Dam, China. Ain Shams Engineering Journal, 2023, 14, 101919.	3.5	10
72	Global sensitivity analysis of a generator-absorber heat exchange (GAX) systemâ€™s thermal performance with a hybrid energy source: An approach using artificial intelligence models. Applied Thermal Engineering, 2023, 218, 119363.	3.0	12
73	Evaluating Monthly Flow Prediction Based on SWAT and Support Vector Regression Coupled with Discrete Wavelet Transform. Water (Switzerland), 2022, 14, 2649.	1.2	6
74	Prediction of hydraulic conductivity based on the soil grain size using supervised committee machine artificial intelligence. Earth Science Informatics, 2022, 15, 2571-2583.	1.6	4
75	Prediction of permeability of highly heterogeneous hydrocarbon reservoir from conventional petrophysical logs using optimized data-driven algorithms. Journal of Petroleum Exploration and Production, 2023, 13, 661-689.	1.2	6
76	Runoff prediction of lower Yellow River based on CEEMDANâ€“LSSVMâ€“GM(1,1) model. Scientific Reports, 2023, 13, .	1.6	6

#	Article	IF	Citations
77	Coupling machine learning with signal process techniques and particle swarm optimization for forecasting flood routing calculations in the Eastern Black Sea Basin, TÃ¼rkiye. Environmental Science and Pollution Research, 2023, 30, 46074-46091.	2.7	7
78	Predicting Discharge Coefficient of Triangular Side Orifice Using LSSVM Optimized by Gravity Search Algorithm. Water (Switzerland), 2023, 15, 1341.	1.2	3