

Abbreviations

AdaBoost	Adaptive Boosting
ADF	Augmented Dickey-Fuller
AE	Autoencoder
AFSA	Artificial Fish Swarm Algorithm
AIC	Akaike Information Criterion
ANFIS	Adaptive Network-based Fuzzy Inference System
ANN	Artificial Neural Network
AR	Autoregressive
ARIA	American Industrial Robot Association
ARIMA	Autoregressive Integrated Moving Average
ARMA	Autoregressive Moving Average
BGA	Binary Genetic Algorithm
BIC	Bayesian Information Criterion
CART	Classification and Regression Tree
CNN	Convolutional Neural Network
CWC	Coverage Width-based Criterion
DBN	Deep Belief Network
DT	Decision Tree
ECG	Electrocardiogram
EEG	Electroencephalogram
ELM	Extreme Learning Machine
EMG	Electromyogram
ENN	Elman Neural Network
EOG	Electrooculogram
ESN	Echo State Network
EWT	Empirical Wavelet Transform
GARCH	Generalized Autoregressive Conditional Heteroscedasticity
GBDT	Gradient Boosting Decision Tree

GMDH	Group Method of Data Handling
GNSS	Global Navigation Satellite System
GRNN	Generalized Regression Neural Network
GRU	Gated Recurrent Unit
GWO	Grey Wolf Optimization
HAL	Hybrid Assistive Limb
IMU	Inertial Measurement Unit
KF	Kalman Filter
KNN	K-Nearest Neighbor
LSTM	Long Short-Term Memory
MA	Moving Average
MAE	Mean Absolute Error
MAPE	Mean Absolute Percentage Error
ME	Mean Error
MLP	Multi-Layer Perceptron
MPC	Model Predictive Control
NAR	Nonlinear Autoregressive
NB	Naive Bayes
PCA	Principal Component Analysis
PICP	Prediction Interval Coverage Probability
PINAW	Prediction Interval Normalized Average Width
PRM	Probabilistic Road Map
PSO	Particle Swarm Optimization
RBF	Radial Basis Function
RBM	Restricted Boltzmann Machine
RELM	Regularized Extreme Learning Machine
RMSE	Root Mean Square Error
RNN	Recurrent Neural Network
RTK	Real-Time Kinematic
SARIMA	Seasonal Autoregressive Integrated Moving Average
sEMG	Surface Electromyogram
SSA	Singular Spectrum Analysis
SVM	Support Vector Machine
SVR	Support Vector Regression
VMD	Variational Mode Decomposition
WPD	Wavelet Packet Decomposition
XGBoost	Extreme Gradient Boosting