Chu Zhang

List of Publications by Year
in descending order

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34 papers	1,420 citations	430874 18 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	911 citing authors

#	Article	IF	Citations
1	A compound structure of ELM based on feature selection and parameter optimization using hybrid backtracking search algorithm for wind speed forecasting. Energy Conversion and Management, 2017, 143, 360-376.	9.2	222
2	An integrated framework of Bi-directional long-short term memory (BiLSTM) based on sine cosine algorithm for hourly solar radiation forecasting. Energy, 2021, 221, 119887.	8.8	164
3	Multi-step ahead wind speed forecasting using a hybrid model based on two-stage decomposition technique and AdaBoost-extreme learning machine. Energy Conversion and Management, 2017, 153, 589-602.	9.2	130
4	A hybrid model based on synchronous optimisation for multi-step short-term wind speed forecasting. Applied Energy, 2018, 215, 131-144.	10.1	125
5	Streamflow Forecasting Using Empirical Wavelet Transform and Artificial Neural Networks. Water (Switzerland), 2017, 9, 406.	2.7	87
6	Integrated framework of extreme learning machine (ELM) based on improved atom search optimization for short-term wind speed prediction. Energy Conversion and Management, 2022, 252, 115102.	9.2	74
7	Data Pre-Analysis and Ensemble of Various Artificial Neural Networks for Monthly Streamflow Forecasting. Water (Switzerland), 2018, 10, 628.	2.7	66
8	The short-term interval prediction of wind power using the deep learning model with gradient descend optimization. Renewable Energy, 2020, 155, 197-211.	8.9	63
9	A hybrid approach for measuring the vibrational trend of hydroelectric unit with enhanced multi-scale chaotic series analysis and optimized least squares support vector machine. Transactions of the Institute of Measurement and Control, 2019, 41, 4436-4449.	1.7	60
10	Negative correlation learning-based RELM ensemble model integrated with OVMD for multi-step ahead wind speed forecasting. Renewable Energy, 2020, 156, 804-819.	8.9	57
11	An evolutionary deep learning model based on TVFEMD, improved sine cosine algorithm, CNN and BiLSTM for wind speed prediction. Energy, 2022, 254, 124250.	8.8	52
12	A novel hybrid approach based on variational heteroscedastic Gaussian process regression for multi-step ahead wind speed forecasting. International Journal of Electrical Power and Energy Systems, 2022, 136, 107717.	5.5	37
13	An evolutionary robust solar radiation prediction model based on WT-CEEMDAN and IASO-optimized outlier robust extreme learning machine. Applied Energy, 2022, 322, 119518.	10.1	35
14	Design of a multi-mode intelligent model predictive control strategy for hydroelectric generating unit. Neurocomputing, 2016, 207, 287-299.	5.9	27
15	Development and application of an evolutionary deep learning framework of LSTM based on improved grasshopper optimization algorithm for short-term load forecasting. Journal of Building Engineering, 2022, 57, 104975.	3.4	25
16	Multiobjective Optimization of a Fractional-Order PID Controller for Pumped Turbine Governing System Using an Improved NSGA-III Algorithm under Multiworking Conditions. Complexity, 2019, 2019, 1-18.	1.6	21
17	Modeling and Combined Application of Orthogonal Chaotic NSGA-II and Improved TOPSIS to Optimize a Conceptual Hydrological Model. Water Resources Management, 2018, 32, 3781-3799.	3.9	20
18	An integrated framework of gated recurrent unit based on improved sine cosine algorithm for photovoltaic power forecasting. Energy, 2022, 256, 124650.	8.8	20

#	Article	IF	Citations
19	A Real-Time Accurate Model and Its Predictive Fuzzy PID Controller for Pumped Storage Unit via Error Compensation. Energies, 2018, 11, 35.	3.1	17
20	Improving the Performance of Doubly Fed Induction Generator Using Fault Tolerant Controlâ€"A Hierarchical Approach. Applied Sciences (Switzerland), 2020, 10, 924.	2.5	17
21	Modeling and Synchronous Optimization of Pump Turbine Governing System Using Sparse Robust Least Squares Support Vector Machine and Hybrid Backtracking Search Algorithm. Energies, 2018, 11, 3108.	3.1	12
22	System Design and Optimisation Study on a Novel CCHP System Integrated with a Hybrid Energy Storage System and an ORC. Complexity, 2020, 2020, 1-14.	1.6	11
23	Multiobjective Optimal Control for Hydraulic Turbine Governing System Based on an Improved MOGWO Algorithm. Complexity, 2019, 2019, 1-14.	1.6	10
24	An Improved Autoencoder and Partial Least Squares Regression-Based Extreme Learning Machine Model for Pump Turbine Characteristics. Applied Sciences (Switzerland), 2019, 9, 3987.	2.5	9
25	A parameter adaptive identification method for a pumped storage hydro unit regulation system model using an improved gravitational search algorithm. Simulation, 2017, 93, 679-694.	1.8	8
26	Parameter Identification of Pump Turbine Governing System Using an Improved Backtracking Search Algorithm. Energies, 2018, 11, 1668.	3.1	8
27	Robust T-S Fuzzy Model Identification Approach Based on FCRM Algorithm and L1-Norm Loss Function. IEEE Access, 2020, 8, 33792-33805.	4.2	8
28	Hybrid short-term runoff prediction model based on optimal variational mode decomposition, improved Harris hawks algorithm and long short-term memory network. Environmental Research Communications, 2022, 4, 045001.	2.3	8
29	Multi-Objective Optimization for Flood Interval Prediction Based on Orthogonal Chaotic NSGA-II and Kernel Extreme Learning Machine. Water Resources Management, 2019, 33, 4731-4748.	3.9	7
30	Parameter identification and uncertainty quantification of a nonâ€linear pumpâ€turbine governing system based on the differential evolution adaptive Metropolis algorithm. IET Renewable Power Generation, 2021, 15, 342-353.	3.1	7
31	Fault diagnosis based on a novel weighted support vector data description with fuzzy adaptive threshold decision. Transactions of the Institute of Measurement and Control, 2018, 40, 71-79.	1.7	6
32	An Intelligent Optimization Method for Vortex-Induced Vibration Reducing and Performance Improving in a Large Francis Turbine. Energies, 2017, 10, 1901.	3.1	5
33	Intra- and Inter-Annual Variability of Hydrometeorological Variables in the Jinsha River Basin, Southwest China. Sustainability, 2019, 11, 5142.	3.2	2
34	A Fuzzy Predictive PID Control Scheme for the Excitation System of Synchronous Generator. MATEC Web of Conferences, 2016, 55, 01004.	0.2	0