

Chu Zhang

List of Publications by Year in descending order

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34
papers

1,420
citations

489802

18
h-index

445137

33
g-index

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all docs

34
docs citations

34
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel hybrid approach based on variational heteroscedastic Gaussian process regression for multi-step ahead wind speed forecasting. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 136, 107717.	3.3	37
2	Integrated framework of extreme learning machine (ELM) based on improved atom search optimization for short-term wind speed prediction. <i>Energy Conversion and Management</i> , 2022, 252, 115102.	4.4	74
3	Hybrid short-term runoff prediction model based on optimal variational mode decomposition, improved Harris hawks algorithm and long short-term memory network. <i>Environmental Research Communications</i> , 2022, 4, 045001.	0.9	8
4	An evolutionary deep learning model based on TVFEMD, improved sine cosine algorithm, CNN and BiLSTM for wind speed prediction. <i>Energy</i> , 2022, 254, 124250.	4.5	52
5	Development and application of an evolutionary deep learning framework of LSTM based on improved grasshopper optimization algorithm for short-term load forecasting. <i>Journal of Building Engineering</i> , 2022, 57, 104975.	1.6	25
6	An evolutionary robust solar radiation prediction model based on WT-CEEMDAN and IASO-optimized outlier robust extreme learning machine. <i>Applied Energy</i> , 2022, 322, 119518.	5.1	35
7	An integrated framework of gated recurrent unit based on improved sine cosine algorithm for photovoltaic power forecasting. <i>Energy</i> , 2022, 256, 124650.	4.5	20
8	Parameter identification and uncertainty quantification of a non-linear pump-turbine governing system based on the differential evolution adaptive Metropolis algorithm. <i>IET Renewable Power Generation</i> , 2021, 15, 342-353.	1.7	7
9	An integrated framework of Bi-directional long-short term memory (BiLSTM) based on sine cosine algorithm for hourly solar radiation forecasting. <i>Energy</i> , 2021, 221, 119887.	4.5	164
10	System Design and Optimisation Study on a Novel CCHP System Integrated with a Hybrid Energy Storage System and an ORC. <i>Complexity</i> , 2020, 2020, 1-14.	0.9	11
11	Negative correlation learning-based RELM ensemble model integrated with OVMD for multi-step ahead wind speed forecasting. <i>Renewable Energy</i> , 2020, 156, 804-819.	4.3	57
12	The short-term interval prediction of wind power using the deep learning model with gradient descend optimization. <i>Renewable Energy</i> , 2020, 155, 197-211.	4.3	63
13	Improving the Performance of Doubly Fed Induction Generator Using Fault Tolerant Control—A Hierarchical Approach. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 924.	1.3	17
14	Robust T-S Fuzzy Model Identification Approach Based on FCRM Algorithm and L1-Norm Loss Function. <i>IEEE Access</i> , 2020, 8, 33792-33805.	2.6	8
15	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. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 4436-4449.	1.1	60
16	Intra- and Inter-Annual Variability of Hydrometeorological Variables in the Jinsha River Basin, Southwest China. <i>Sustainability</i> , 2019, 11, 5142.	1.6	2
17	An Improved Autoencoder and Partial Least Squares Regression-Based Extreme Learning Machine Model for Pump Turbine Characteristics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3987.	1.3	9
18	Multiobjective Optimal Control for Hydraulic Turbine Governing System Based on an Improved MOGWO Algorithm. <i>Complexity</i> , 2019, 2019, 1-14.	0.9	10

#	ARTICLE	IF	CITATIONS
19	Multiobjective Optimization of a Fractional-Order PID Controller for Pumped Turbine Governing System Using an Improved NSGA-III Algorithm under Multiworking Conditions. <i>Complexity</i> , 2019, 2019, 1-18.	0.9	21
20	Multi-Objective Optimization for Flood Interval Prediction Based on Orthogonal Chaotic NSGA-II and Kernel Extreme Learning Machine. <i>Water Resources Management</i> , 2019, 33, 4731-4748.	1.9	7
21	A hybrid model based on synchronous optimisation for multi-step short-term wind speed forecasting. <i>Applied Energy</i> , 2018, 215, 131-144.	5.1	125
22	Fault diagnosis based on a novel weighted support vector data description with fuzzy adaptive threshold decision. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 71-79.	1.1	6
23	Modeling and Synchronous Optimization of Pump Turbine Governing System Using Sparse Robust Least Squares Support Vector Machine and Hybrid Backtracking Search Algorithm. <i>Energies</i> , 2018, 11, 3108.	1.6	12
24	A Real-Time Accurate Model and Its Predictive Fuzzy PID Controller for Pumped Storage Unit via Error Compensation. <i>Energies</i> , 2018, 11, 35.	1.6	17
25	Parameter Identification of Pump Turbine Governing System Using an Improved Backtracking Search Algorithm. <i>Energies</i> , 2018, 11, 1668.	1.6	8
26	Data Pre-Analysis and Ensemble of Various Artificial Neural Networks for Monthly Streamflow Forecasting. <i>Water (Switzerland)</i> , 2018, 10, 628.	1.2	66
27	Modeling and Combined Application of Orthogonal Chaotic NSGA-II and Improved TOPSIS to Optimize a Conceptual Hydrological Model. <i>Water Resources Management</i> , 2018, 32, 3781-3799.	1.9	20
28	A compound structure of ELM based on feature selection and parameter optimization using hybrid backtracking search algorithm for wind speed forecasting. <i>Energy Conversion and Management</i> , 2017, 143, 360-376.	4.4	222
29	A parameter adaptive identification method for a pumped storage hydro unit regulation system model using an improved gravitational search algorithm. <i>Simulation</i> , 2017, 93, 679-694.	1.1	8
30	Multi-step ahead wind speed forecasting using a hybrid model based on two-stage decomposition technique and AdaBoost-extreme learning machine. <i>Energy Conversion and Management</i> , 2017, 153, 589-602.	4.4	130
31	Streamflow Forecasting Using Empirical Wavelet Transform and Artificial Neural Networks. <i>Water (Switzerland)</i> , 2017, 9, 406.	1.2	87
32	An Intelligent Optimization Method for Vortex-Induced Vibration Reducing and Performance Improving in a Large Francis Turbine. <i>Energies</i> , 2017, 10, 1901.	1.6	5
33	A Fuzzy Predictive PID Control Scheme for the Excitation System of Synchronous Generator. <i>MATEC Web of Conferences</i> , 2016, 55, 01004.	0.1	0
34	Design of a multi-mode intelligent model predictive control strategy for hydroelectric generating unit. <i>Neurocomputing</i> , 2016, 207, 287-299.	3.5	27