

Kai Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Multi-step short-term wind speed forecasting approach based on multi-scale dominant ingredient chaotic analysis, improved hybrid GWO-SCA optimization and ELM. Energy Conversion and Management, 2019, 187, 356-377.	4.4	141
2	A composite framework coupling multiple feature selection, compound prediction models and novel hybrid swarm optimizer-based synchronization optimization strategy for multi-step ahead short-term wind speed forecasting. Energy Conversion and Management, 2020, 205, 112461.	4.4	99
3	Coordinated approach fusing time-shift multiscale dispersion entropy and vibrational Harris hawks optimization-based SVM for fault diagnosis of rolling bearing. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108580.	2.5	95
4	Fault Diagnosis for Rolling Bearings Based on Composite Multiscale Fine-Sorted Dispersion Entropy and SVM With Hybrid Mutation SCA-HHO Algorithm Optimization. IEEE Access, 2020, 8, 13086-13104.	2.6	83
5	A hybrid approach for multi-step wind speed forecasting based on two-layer decomposition, improved hybrid DE-HHO optimization and KELM. Renewable Energy, 2021, 164, 211-229.	4.3	72
6	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.	1.1	60
7	Vibration trend measurement for a hydropower generator based on optimal variational mode decomposition and an LSSVM improved with chaotic sine cosine algorithm optimization. Measurement Science and Technology, 2019, 30, 015012.	1.4	53
8	Blind Parameter Identification of MAR Model and Mutation Hybrid GWO-SCA Optimized SVM for Fault Diagnosis of Rotating Machinery. Complexity, 2019, 2019, 1-17.	0.9	44
9	A compound framework for wind speed forecasting based on comprehensive feature selection, quantile regression incorporated into convolutional simplified long short-term memory network and residual error correction. Energy Conversion and Management, 2020, 222, 113234.	4.4	41
10	A composite architecture coupling outlier correction, EWT, nonlinear Volterra multi-model fusion with multi-objective optimization for short-term wind speed forecasting. Applied Energy, 2022, 307, 118191.	5.1	39
11	A Hybrid Approach for Multi-Step Wind Speed Forecasting Based on Multi-Scale Dominant Ingredient Chaotic Analysis, KELM and Synchronous Optimization Strategy. Sustainability, 2019, 11, 1804.	1.6	33
12	A blended approach incorporating TVFEMD, PSR, NNCT-based multi-model fusion and hierarchy-based merged optimization algorithm for multi-step wind speed prediction. Energy Conversion and Management, 2021, 230, 113680.	4.4	33
13	Multi-step ahead short-term wind speed forecasting approach coupling variational mode decomposition, improved beetle antennae search algorithm-based synchronous optimization and Volterra series model. Renewable Energy, 2021, 179, 1122-1139.	4.3	33
14	Multispectral Optical Partial Discharge Detection, Recognition, and Assessment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	24
15	Fault Diagnosis for Rolling Bearings Based on Fine-Sorted Dispersion Entropy and SVM Optimized with Mutation SCA-PSO. Entropy, 2019, 21, 404.	1.1	22
16	Fault Diagnosis for Rolling Bearing Based on Semi-Supervised Clustering and Support Vector Data Description with Adaptive Parameter Optimization and Improved Decision Strategy. Applied Sciences (Switzerland), 2019, 9, 1676.	1.3	19
17	Vibration Tendency Prediction Approach for Hydropower Generator Fused with Multiscale Dominant Ingredient Chaotic Analysis, Adaptive Mutation Grey Wolf Optimizer, and KELM. Complexity, 2020, 2020, 1-20.	0.9	17