

Kai Wang

List of Publications by Year in descending order

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