Zhang Yong

List of Publications by Year
in descending order

40 papers	1,638 citations	394421 19 h-index	526287 27 g-index
40 all docs	40 docs citations	40 times ranked	1006 citing authors

#	Article	IF	Citations
1	Remaining useful life prediction of lithium-ion batteries with adaptive unscented kalman filter and optimized support vector regression. Neurocomputing, 2020, 376, 95-102.	5.9	236
2	Remaining useful life prediction of lithium-ion batteries based on false nearest neighbors and a hybrid neural network. Applied Energy, 2019, 253, 113626.	10.1	208
3	A new hybrid method for the prediction of the remaining useful life of a lithium-ion battery. Applied Energy, 2017, 206, 1564-1578.	10.1	158
4	A Deep Learning-Based Remaining Useful Life Prediction Approach for Bearings. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1243-1254.	5.8	127
5	A recurrent neural network approach for remaining useful life prediction utilizing a novel trend features construction method. Measurement: Journal of the International Measurement Confederation, 2019, 146, 279-288.	5.0	98
6	Health status assessment and remaining useful life prediction of aero-engine based on BiGRU and MMoE. Reliability Engineering and System Safety, 2022, 220, 108263.	8.9	86
7	Remaining useful life prediction of lithium-ion battery with optimal input sequence selection and error compensation. Neurocomputing, 2020, 414, 245-254.	5.9	76
8	Event-Based Finite-Time Filtering for Multirate Systems With Fading Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1431-1441.	4.7	67
9	Variance-constrained state estimation for networked multi-rate systems with measurement quantization and probabilistic sensor failures. International Journal of Robust and Nonlinear Control, 2016, 26, 3507-3523.	3.7	64
10	Degradation assessment of bearings with trend-reconstruct-based features selection and gated recurrent unit network. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108064.	5.0	64
11	H_∞ fault detection for nonlinear networked systems with multiple channels data transmission pattern. Information Sciences, 2013, 221, 534-543.	6.9	51
12	Annulus-event-based fault detection, isolation and estimation for multirate time-varying systems: Applications to a three-tank system. Journal of Process Control, 2019, 75, 48-58.	3.3	47
13	Detection of intermittent faults for nonuniformly sampled multi-rate systems with dynamic quantisation and missing measurements. International Journal of Control, 2020, 93, 898-909.	1.9	41
14	Remaining useful life prediction of lithium battery based on capacity regeneration point detection. Energy, 2021, 234, 121233.	8.8	40
15	A hybrid approach for remaining useful life prediction of lithium-ion battery with Adaptive Levy Flight optimized Particle Filter and Long Short-Term Memory network. Journal of Energy Storage, 2021, 44, 103245.	8.1	40
16	Fault diagnosis with synchrosqueezing transform and optimized deep convolutional neural network: An application in modular multilevel converters. Neurocomputing, 2021, 430, 24-33.	5.9	34
17	Torus-Event-Based Fault Diagnosis for Stochastic Multirate Time-Varying Systems With Constrained Fault. IEEE Transactions on Cybernetics, 2020, 50, 2803-2813.	9.5	31
18	Diagnosis and location of the open-circuit fault in modular multilevel converters: An improved machine learning method. Neurocomputing, 2019, 331, 58-66.	5.9	29

#	Article	IF	Citations
19	Homecare-Oriented ECG Diagnosis With Large-Scale Deep Neural Network for Continuous Monitoring on Embedded Devices. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	20
20	Weight optimized unscented Kalman filter for degradation trend prediction of lithium-ion battery with error compensation strategy. Energy, 2022, 251, 123890.	8.8	20
21	Multivariate/minor fault diagnosis with severity level based on Bayesian decision theory and multidimensional RBC. Journal of Process Control, 2021, 101, 68-77.	3.3	19
22	Prediction of gas concentration evolution with evolutionary attention-based temporal graph convolutional network. Expert Systems With Applications, 2022, 200, 116944.	7.6	18
23	Concurrent fault diagnosis of modular multilevel converter with Kalman filter and optimized support vector machine. Systems Science and Control Engineering, 2019, 7, 43-53.	3.1	16
24	A Koopman operator approach for machinery health monitoring and prediction with noisy and low-dimensional industrial time series. Neurocomputing, 2020, 406, 204-214.	5.9	15
25	Fault Diagnosis of Modular Multilevel Converter with FA-SVM Algorithm. , 2019, , .		10
26	State of health estimation for lithium-ion batteries with dynamic time warping and deep kernel learning model. , 2020, , .		6
27	Inventory Control for a Coproduction System Under Demand Uncertainty. IEEE Transactions on Automatic Control, 2019, 64, 1627-1631.	5.7	3
28	Degradation-trend-dependent Remaining Useful Life Prediction for Bearing with BiLSTM and Attention Mechanism. , 2021, , .		2
29	Bearings Remaining Useful Life Prediction with Combinatorial Feature Extraction Method and Gated Recurrent Unit Network. , 2020, , .		2
30	Remaining Useful Life Prediction of Lithium-ion Batteries with Fused Features and Multi-kernel Gaussian Process Regression. , 2021, , .		2
31	Remaining useful life prediction of tool with BiGRU-Attention and improved Particle Filter. , 2021, , .		2
32	Diagnose of Sub-module Fault in Modular Multilevel Converters Based on Moving Average Method. , 2019, , .		1
33	Fault diagnosis for electronic transformer with wavelet energy entropy and SVM. , 2019, , .		1
34	A universal LPC health monitoring method for rolling element bearings with ADSCI feature. Measurement: Journal of the International Measurement Confederation, 2021, 176, 108969.	5.0	1
35	An Integrated Method for Lithium-ion Batteries Remaining Useful Life Prediction Based on Unscented Particle Filter and Relevance Vector Machine. , 2021, , .		1
36	Sliding Mode Observer Based Robust Fault Reconstruction for Modular Multilevel Converter with Actuator and Sensor Fault. IFAC-PapersOnLine, 2020, 53, 13365-13370.	0.9	1

#	Article	IF	Citations
37	Fault Diagnosis of Wind Turbines with A Dilated Convolution and Hybrid Attention Neural Network. , 2021, , .		1
38	Robust Sensor Fault Reconstruction for Modular Multilevel Converter Based on Sliding Mode Observer. , 2019, , .		0
39	Remaining useful life prediction of lithium-ion batteries based on phase space reconstruction and optimized LSTM network. , 2021, , .		0
40	Remaining useful life prediction of turbofan engine with GA optimized hybrid neural network. , 2021, , .		0