

Zhang Yong

List of Publications by Year in descending order

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40
papers

1,638
citations

394421

19
h-index

526287

27
g-index

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all docs

40
docs citations

40
times ranked

1006
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Weight optimized unscented Kalman filter for degradation trend prediction of lithium-ion battery with error compensation strategy. Energy, 2022, 251, 123890.	8.8	20
4	Prediction of gas concentration evolution with evolutionary attention-based temporal graph convolutional network. Expert Systems With Applications, 2022, 200, 116944.	7.6	18
5	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
6	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
7	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
8	Degradation-trend-dependent Remaining Useful Life Prediction for Bearing with BiLSTM and Attention Mechanism. , 2021, , .		2
9	Remaining useful life prediction of lithium battery based on capacity regeneration point detection. Energy, 2021, 234, 121233.	8.8	40
10	Remaining useful life prediction of lithium-ion batteries based on phase space reconstruction and optimized LSTM network. , 2021, , .		0
11	An Integrated Method for Lithium-ion Batteries Remaining Useful Life Prediction Based on Unscented Particle Filter and Relevance Vector Machine. , 2021, , .		1
12	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
13	Remaining useful life prediction of turbofan engine with GA optimized hybrid neural network. , 2021, , .		0
14	Remaining Useful Life Prediction of Lithium-ion Batteries with Fused Features and Multi-kernel Gaussian Process Regression. , 2021, , .		2
15	Fault Diagnosis of Wind Turbines with A Dilated Convolution and Hybrid Attention Neural Network. , 2021, , .		1
16	Remaining useful life prediction of tool with BiGRU-Attention and improved Particle Filter. , 2021, , .		2
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	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

#	ARTICLE	IF	CITATIONS
19	Remaining useful life prediction of lithium-ion batteries with adaptive unscented kalman filter and optimized support vector regression. <i>Neurocomputing</i> , 2020, 376, 95-102.	5.9	236
20	Remaining useful life prediction of lithium-ion battery with optimal input sequence selection and error compensation. <i>Neurocomputing</i> , 2020, 414, 245-254.	5.9	76
21	Degradation assessment of bearings with trend-reconstruct-based features selection and gated recurrent unit network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 165, 108064.	5.0	64
22	A Deep Learning-Based Remaining Useful Life Prediction Approach for Bearings. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1243-1254.	5.8	127
23	A Koopman operator approach for machinery health monitoring and prediction with noisy and low-dimensional industrial time series. <i>Neurocomputing</i> , 2020, 406, 204-214.	5.9	15
24	State of health estimation for lithium-ion batteries with dynamic time warping and deep kernel learning model. , 2020, , .		6
25	Sliding Mode Observer Based Robust Fault Reconstruction for Modular Multilevel Converter with Actuator and Sensor Fault. <i>IFAC-PapersOnLine</i> , 2020, 53, 13365-13370.	0.9	1
26	Bearings Remaining Useful Life Prediction with Combinatorial Feature Extraction Method and Gated Recurrent Unit Network. , 2020, , .		2
27	Concurrent fault diagnosis of modular multilevel converter with Kalman filter and optimized support vector machine. <i>Systems Science and Control Engineering</i> , 2019, 7, 43-53.	3.1	16
28	Remaining useful life prediction of lithium-ion batteries based on false nearest neighbors and a hybrid neural network. <i>Applied Energy</i> , 2019, 253, 113626.	10.1	208
29	A recurrent neural network approach for remaining useful life prediction utilizing a novel trend features construction method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 146, 279-288.	5.0	98
30	Annulus-event-based fault detection, isolation and estimation for multirate time-varying systems: Applications to a three-tank system. <i>Journal of Process Control</i> , 2019, 75, 48-58.	3.3	47
31	Diagnose of Sub-module Fault in Modular Multilevel Converters Based on Moving Average Method. , 2019, , .		1
32	Robust Sensor Fault Reconstruction for Modular Multilevel Converter Based on Sliding Mode Observer. , 2019, , .		0
33	Fault diagnosis for electronic transformer with wavelet energy entropy and SVM. , 2019, , .		1
34	Fault Diagnosis of Modular Multilevel Converter with FA-SVM Algorithm. , 2019, , .		10
35	Inventory Control for a Coproduction System Under Demand Uncertainty. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 1627-1631.	5.7	3
36	Diagnosis and location of the open-circuit fault in modular multilevel converters: An improved machine learning method. <i>Neurocomputing</i> , 2019, 331, 58-66.	5.9	29

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	H ∞ fault detection for nonlinear networked systems with multiple channels data transmission pattern. Information Sciences, 2013, 221, 534-543.	6.9	51