

Diyin Tang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

347
citations

1039406

9
h-index

996533

15
g-index

25
all docs

25
docs citations

25
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	A weighted hidden Markov model approach for continuous-state tool wear monitoring and tool life prediction. International Journal of Advanced Manufacturing Technology, 2017, 91, 201-211.	1.5	79
2	A Digital Twin approach based on nonparametric Bayesian network for complex system health monitoring. Journal of Manufacturing Systems, 2021, 58, 293-304.	7.6	70
3	Remaining useful life prediction for lithium-ion batteries using a quantum particle swarm optimization-based particle filter. Quality Engineering, 2017, 29, 536-546.	0.7	29
4	A remaining useful life prediction approach for lithium-ion batteries using Kalman filter and an improved particle filter. , 2016, , .		27
5	Indirect State-of-Health Estimation for Lithium-Ion Batteries under Randomized Use. Energies, 2017, 10, 2012.	1.6	22
6	Telemetry Data-Based Spacecraft Anomaly Detection With Spatialâ€“Temporal Generative Adversarial Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	22
7	Online stateâ€“ofâ€“health prediction of lithiumâ€“ion batteries with limited labeled data. International Journal of Energy Research, 2020, 44, 11345-11360.	2.2	17
8	A Novel PF-LSSVR-based Framework for Failure Prognosis of Nonlinear Systems with Time-varying Parameters. Chinese Journal of Aeronautics, 2012, 25, 715-724.	2.8	16
9	Optimizing sequential diagnostic strategy for large-scale engineering systems using a quantum-inspired genetic algorithm: A comparative study. Applied Soft Computing Journal, 2019, 85, 105802.	4.1	15
10	An HDP-HMM based approach for tool wear estimation and tool life prediction. Quality Engineering, 2021, 33, 208-220.	0.7	13
11	A prediction method for discharge voltage of lithium-ion batteries under unknown dynamic loads. Microelectronics Reliability, 2018, 88-90, 1206-1211.	0.9	6
12	System-Level Performance Prediction for Infrared Systems Based on Energy Redistribution in Infrared Images. IEEE Transactions on Industrial Electronics, 2022, 69, 2000-2011.	5.2	4
13	Telemetry Data-based Spacecraft Anomaly Detection Using Generative Adversarial Networks. , 2020, , .		4
14	A Physics-informed Transfer Learning Approach for Anomaly Detection of Aerospace CMG with Limited Telemetry Data. , 2021, , .		4
15	Implementation and verification of prognostics and health management system using a configurable system of systems architecture. , 2016, , .		3
16	An approach to predict discharge voltage of lithium-ion batteries under dynamic loading conditions. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 923-936.	3.3	3
17	A closed-loop voltage prognosis for lithium-ion batteries under dynamic loads using an improved equivalent circuit model. Microelectronics Reliability, 2019, 100-101, 113459.	0.9	3
18	A hierarchical testability analysis method for reusable liquid rocket engines based on multi-signal flow model. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	An active learning method combining adaptive kriging and weighted penalty for structural reliability analysis. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 160-172.	0.6	3
20	An Optimal Burn-In Policy for Cellular Phone Lithium-Ion Batteries Using a Feature Selection Strategy and Relevance Vector Machine. Energies, 2018, 11, 3021.	1.6	2
21	A parallel test system based on C/S mode. , 2009, , .		1
22	Development of open architecture test systems. , 2011, , .		1
23	A Bayesian nonparametric approach for tool condition monitoring. , 2016, , .		0
24	Mining diagnostic knowledge from spacecraft data based on Spark cluster. , 2020, , .		0
25	Joint optimization of inspection and maintenance strategy for complex multi-component systems using a quantum-inspired genetic algorithm. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 0, , 1748006X2211029.	0.6	0