Dezhen Yang

List of Publications by Year
in descending order

29 papers	261 citations	1163065 8 h-index	1058452 14 g-index
29 all docs	29 docs citations	29 times ranked	214 citing authors

#	ARTICLE	IF	CITATIONS
1	Convolutional neural network based capacity estimation using random segments of the charging curves for lithium-ion batteries. Energy, 2021, 227, 120333.	8.8	93
2	A GO-FLOW and Dynamic Bayesian Network Combination Approach for Reliability Evaluation With Uncertainty: A Case Study on a Nuclear Power Plant. IEEE Access, 2018, 6, 7177-7189.	4.2	35
3	An Alternative Lifetime Model for White Light Emitting Diodes under Thermal–Electrical Stresses. Materials, 2018, 11, 817.	2.9	19
4	Enhanced GO methodology to support failure mode, effects and criticality analysis. Journal of Intelligent Manufacturing, 2019, 30, 1451-1468.	7.3	19
5	Investigation of Step-Stress Accelerated Degradation Test Strategy for Ultraviolet Light Emitting Diodes. Materials, 2019, 12, 3119.	2.9	17
6	A Digital Twin-Driven Life Prediction Method of Lithium-Ion Batteries Based on Adaptive Model Evolution. Materials, 2022, 15, 3331.	2.9	15
7	System Dynamic Behavior Modeling Based on Extended GO Methodology. IEEE Access, 2018, 6, 22513-22523.	4.2	12
8	An Agent-Based Reliability and Performance Modeling Approach for Multistate Complex Human-Machine Systems With Dynamic Behavior. IEEE Access, 2019, 7, 135300-135311.	4.2	10
9	Model based FMEA for electronic products. , 2015, , .		8
10	A novel adaptive pigeon-inspired optimization algorithm based on evolutionary game theory. Science China Information Sciences, 2021, 64, 1.	4.3	6
11	Small Sample Reliability Assessment With Online Time-Series Data Based on a Worm Wasserstein Generative Adversarial Network Learning Method. IEEE Transactions on Industrial Informatics, 2023, 19, 1207-1216.	11.3	5
12	A Time-Variant Reliability Model for Copper Bending Pipe under Seawater-Active Corrosion Based on the Stochastic Degradation Process. Materials, 2018, 11, 507.	2.9	3
13	Online prognostication of remaining useful life for random discharge lithium-ion batteries using a gamma process model. , 2019, , .		3
14	A Heuristic Hybrid Optimization Approach for Spare Parts and Maintenance Workers Under Partial Pooling. IEEE Access, 2019, 7, 137835-137847.	4.2	3
15	An Archimedean Copula Function-Based Prediction Method for High-Power White LED Considering Multi-Performance. IEEE Transactions on Electron Devices, 2019, 66, 3405-3410.	3.0	3
16	An improved time-variant reliability method for structural components based on gamma degradation process model. , 2016, , .		2
17	Characterization of Stochastically Distributed Voids in Sintered Nano-Silver Joints. , 2019, , .		2
18	A hybrid fault prediction method for control systems based on extended state observer and hidden Markov model. Asian Journal of Control, 0, , .	3.0	2

#	Article	IF	Citations
19	An Electric Fence-Based Intelligent Scheduling Method for Rebalancing Dockless Bike Sharing Systems. Applied Sciences (Switzerland), 2022, 12, 5031.	2.5	2
20	A Monte Carlo Simulation-Based Algorithm for a Repairable System in GO Methodology. , 2018, , .		1
21	A Multi-Agent Based Framework for Maintenance Resource Scheduling Decision. , 2018, , .		1
22	Using reliability analysis for optimum scheme. , 2009, , .		0
23	Construction of RMS parameters system for support system. , 2011, , .		0
24	Design-in of reliability through axiomatic design. , 2013, , .		0
25	Reliability analysis of a novel design of pose deformation system for mobile robots through Bond Graph and Simulink. , 2016, , .		0
26	Evaluation of reliability design based on information axiom. , 2016, , .		0
27	A robustness optimization method of network based on load entropy. , 2017, , .		0
28	Study on layout optimization of multi-chip LED modules based on discrete element method. , 2018, , .		0
29	Semantic Learning and Understanding of multivehicle interaction patterns Using Primitive Driving Patterns With Bayesian Nonparametric Approaches. , 2021, , .		0