

Dezhen Yang

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

351
citations

9
h-index

18
g-index

20
ext. papers

435
ext. citations

4.3
avg, IF

3.91
L-index

#	Paper	IF	Citations
20	An agent-based dynamic reliability modeling method for multistate systems considering fault propagation: A case study on subsea Christmas trees. <i>Chemical Engineering Research and Design</i> , 2022 , 158, 20-33	5.5	2
19	Group maintenance optimization of subsea Xmas trees with stochastic dependency. <i>Reliability Engineering and System Safety</i> , 2021 , 209, 107450	6.3	15
18	A reliability evaluation method for radial multi-microgrid systems considering distribution network transmission capacity. <i>Computers and Industrial Engineering</i> , 2020 , 139, 106145	6.4	14
17	The debonding failure mechanism analysis and performance experiments of 3D printed wiring boards 2020 ,		1
16	An Archimedean Copula Function-Based Prediction Method for High-Power White LED Considering Multi-Performance. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 3405-3410	2.9	3
15	Remaining useful life prediction of aviation circular electrical connectors using vibration-induced physical model and particle filtering method. <i>Microelectronics Reliability</i> , 2019 , 92, 114-122	1.2	16
14	. <i>IEEE Access</i> , 2019 , 7, 80840-80848	3.5	4
13	Agent-based restoration approach for reliability with load balancing on smart grids. <i>Applied Energy</i> , 2019 , 249, 46-57	10.7	50
12	Resilience design method based on meta-structure: A case study of offshore wind farm. <i>Reliability Engineering and System Safety</i> , 2019 , 186, 232-244	6.3	50
11	Sealing reliability modeling of aviation seal based on interval uncertainty method and multidimensional response surface. <i>Chinese Journal of Aeronautics</i> , 2019 , 32, 2188-2198	3.7	8
10	An agent-based approach for resources joint planning in a multi-echelon inventory system considering lateral transshipment. <i>Computers and Industrial Engineering</i> , 2019 , 138, 106098	6.4	4
9	An Agent-Based Reliability and Performance Modeling Approach for Multistate Complex Human-Machine Systems With Dynamic Behavior. <i>IEEE Access</i> , 2019 , 7, 135300-135311	3.5	6
8	A Heuristic Hybrid Optimization Approach for Spare Parts and Maintenance Workers Under Partial Pooling. <i>IEEE Access</i> , 2019 , 7, 137835-137847	3.5	1
7	A GO-FLOW and Dynamic Bayesian Network Combination Approach for Reliability Evaluation With Uncertainty: A Case Study on a Nuclear Power Plant. <i>IEEE Access</i> , 2018 , 6, 7177-7189	3.5	26
6	Availability-based engineering resilience metric and its corresponding evaluation methodology. <i>Reliability Engineering and System Safety</i> , 2018 , 172, 216-224	6.3	113
5	System Dynamic Behavior Modeling Based on Extended GO Methodology. <i>IEEE Access</i> , 2018 , 6, 22513-22523	3.5	7
4	A Time-Variant Reliability Model for Copper Bending Pipe under Seawater-Active Corrosion Based on the Stochastic Degradation Process. <i>Materials</i> , 2018 , 11,	3.5	2

3	A Gamma Process-Based Prognostics Method for CCT Shift of High-Power White LEDs. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 2909-2916	2.9	10
2	A Novel Model of Reliability Assessment for Circular Electrical Connectors. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015 , 5, 755-761	1.7	14
1	A New Algorithm of GO Methodology Based on Minimal Path Set. <i>AASRI Procedia</i> , 2012 , 3, 368-374		5