

List of Publications by Citations

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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.

73 papers	757 citations	15 h-index	23 g-index
103 ext. papers	1,051 ext. citations	4.5 avg, IF	4.72 L-index

#	Paper	IF	Citations
73	Availability-based engineering resilience metric and its corresponding evaluation methodology. <i>Reliability Engineering and System Safety</i> , <b>2018</b> , 172, 216-224	6.3	113
72	Agent-based restoration approach for reliability with load balancing on smart grids. <i>Applied Energy</i> , <b>2019</b> , 249, 46-57	10.7	50
71	A reliability design method for a lithium-ion battery pack considering the thermal disequilibrium in electric vehicles. <i>Journal of Power Sources</i> , <b>2018</b> , 386, 10-20	8.9	42
70	Heuristic hybrid game approach for fleet condition-based maintenance planning. <i>Reliability Engineering and System Safety</i> , <b>2017</b> , 157, 166-176	6.3	35
69	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> , <b>2018</b> , 6, 7177-7189	3.5	26
68	A modified GO-FLOW methodology with common cause failure based on Discrete Time Bayesian Network. <i>Nuclear Engineering and Design</i> , <b>2016</b> , 305, 476-488	1.8	24
67	Cooperative game approach based on agent learning for fleet maintenance oriented to mission reliability. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 112, 221-230	6.4	23
66	Application of MICMAC, Fuzzy AHP, and Fuzzy TOPSIS for Evaluation of the Maintenance Factors Affecting Sustainable Manufacturing. <i>Energies</i> , <b>2021</b> , 14, 1436	3.1	22
65	Mobile Robot ADRC With an Automatic Parameter Tuning Mechanism via Modified Pigeon-Inspired Optimization. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 2616-2626	5.5	21
64	Gamma Degradation Process and Accelerated Model Combined Reliability Analysis Method for Rubber O-Rings. <i>IEEE Access</i> , <b>2018</b> , 6, 10581-10590	3.5	20
63	Restoration of smart grids: Current status, challenges, and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 143, 110909	16.2	19
62	A modified reliability model for lithium-ion battery packs based on the stochastic capacity degradation and dynamic response impedance. <i>Journal of Power Sources</i> , <b>2019</b> , 423, 40-51	8.9	18
61	Time-Variant Reliability Analysis for Rubber O-Ring Seal Considering Both Material Degradation and Random Load. <i>Materials</i> , <b>2017</b> , 10,	3.5	18
60	Fleet-level selective maintenance problem under a phased mission scheme with short breaks: A heuristic sequential game approach. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 119, 404-415	6.4	15
59	Group maintenance optimization of subsea Xmas trees with stochastic dependency. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 209, 107450	6.3	15
58	A hybrid heuristic optimization of maintenance routing and scheduling for offshore wind farms. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2019</b> , 62, 103949	3.5	14
57	A Novel Model of Reliability Assessment for Circular Electrical Connectors. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2015</b> , 5, 755-761	1.7	14

56	A reliability evaluation method for radial multi-microgrid systems considering distribution network transmission capacity. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 139, 106145	6.4	14
55	Multiphysical modeling for life analysis of lithium-ion battery pack in electric vehicles. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 131, 109993	16.2	13
54	Enhanced GO methodology to support failure mode, effects and criticality analysis. <i>Journal of Intelligent Manufacturing</i> , <b>2019</b> , 30, 1451-1468	6.7	13
53	Framework of machine criticality assessment with criteria interactions. <i>Eksploracja I Niezawodnosc</i> , <b>2021</b> , 23, 207-220	3.5	12
52	Investigation of Step-Stress Accelerated Degradation Test Strategy for Ultraviolet Light Emitting Diodes. <i>Materials</i> , <b>2019</b> , 12,	3.5	11
51	An Alternative Lifetime Model for White Light Emitting Diodes under Thermal/Electrical Stresses. <i>Materials</i> , <b>2018</b> , 11,	3.5	11
50	Photometric and Colorimetric Assessment of LED Chip Scale Packages by Using a Step-Stress Accelerated Degradation Test (SSADT) Method. <i>Materials</i> , <b>2017</b> , 10,	3.5	11
49	Accelerated Degradation Test and Predictive Failure Analysis of B10 Copper-Nickel Alloy under Marine Environmental Conditions. <i>Materials</i> , <b>2015</b> , 8, 6029-6042	3.5	10
48	Application of artificial neural networks for quantitative damage detection in unidirectional composite structures based on Lamb waves. <i>Advances in Mechanical Engineering</i> , <b>2020</b> , 12, 168781402091473	12.3	10
47	A Gamma Process-Based Prognostics Method for CCT Shift of High-Power White LEDs. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 2909-2916	2.9	10
46	FORM and Out-Crossing Combined Time-Variant Reliability Analysis Method for Ship Structures. <i>IEEE Access</i> , <b>2018</b> , 6, 9723-9732	3.5	9
45	An Intelligent Preventive Maintenance Method Based on Reinforcement Learning for Battery Energy Storage Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 8254-8264	11.9	9
44	Influence of Randomness in Rubber Materials Parameters on the Reliability of Rubber O-Ring Seal. <i>Materials</i> , <b>2019</b> , 12,	3.5	8
43	. <i>IEEE Access</i> , <b>2018</b> , 6, 5151-5161	3.5	8
42	Sealing reliability modeling of aviation seal based on interval uncertainty method and multidimensional response surface. <i>Chinese Journal of Aeronautics</i> , <b>2019</b> , 32, 2188-2198	3.7	8
41	Artificial Intelligence Enhanced Two-stage Hybrid Fault Prognosis Methodology of PMSM. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	8
40	Time-variant reliability modeling based on hybrid non-probability method. <i>Archive of Applied Mechanics</i> , <b>2020</b> , 90, 209-219	2.2	8
39	System Dynamic Behavior Modeling Based on Extended GO Methodology. <i>IEEE Access</i> , <b>2018</b> , 6, 22513-22523	3.3	7

38	An optimization method for condition based maintenance of aircraft fleet considering prognostics uncertainty. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 430190	2.2	7
37	An Agent-Based Reliability and Performance Modeling Approach for Multistate Complex Human-Machine Systems With Dynamic Behavior. <i>IEEE Access</i> , <b>2019</b> , 7, 135300-135311	3.5	6
36	A combined physics of failure and Bayesian network reliability analysis method for complex electronic systems. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 148, 698-710	5.5	6
35	On the Robustness and Reliability in the Pose Deformation System of Mobile Robots. <i>IEEE Access</i> , <b>2018</b> , 6, 29747-29756	3.5	6
34	A New Algorithm of GO Methodology Based on Minimal Path Set. <i>AASRI Procedia</i> , <b>2012</b> , 3, 368-374		5
33	. <i>IEEE Access</i> , <b>2019</b> , 7, 80840-80848	3.5	4
32	An agent-based approach for resourcesJoint planning in a multi-echelon inventory system considering lateral transshipment. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 138, 106098	6.4	4
31	A novel critical infrastructure resilience assessment approach using dynamic Bayesian networks <b>2017</b> ,		4
30	An Archimedean Copula Function-Based Prediction Method for High-Power White LED Considering Multi-Performance. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 3405-3410	2.9	3
29	A reliability allocation method based on Bayesian networks and Analytic Hierarchy Process <b>2015</b> ,		3
28	Resilience optimization for multi-UAV formation reconfiguration via enhanced pigeon-inspired optimization. <i>Chinese Journal of Aeronautics</i> , <b>2021</b> , 35, 110-110	3.7	3
27	A Time-Variant Reliability Model for Copper Bending Pipe under Seawater-Active Corrosion Based on the Stochastic Degradation Process. <i>Materials</i> , <b>2018</b> , 11,	3.5	2
26	Dynamic scheduling of carrier aircraft based on improved ant colony algorithm under disruption and strong constraint <b>2017</b> ,		2
25	A method of fault tree generation based on go model <b>2015</b> ,		2
24	Mission reliability prediction methods for board-level electronic equipment based on physics of failure and Bayesian networks <b>2015</b> ,		2
23	Accelerated storage degradation test and life extension assessment method for hermetically sealed electromagnetic relay <b>2011</b> ,		2
22	Fuzzy multi-state fault tree analysis based on fuzzy expert system <b>2011</b> ,		2
21	Failure ontology of board-level electronic product for reliability design <b>2011</b> ,		2

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> , <b>2022</b> , 158, 20-33	5.5	2
19	Failure-based sealing reliability analysis considering dynamic interval and hybrid uncertainties. <i>Eksploatacja I Niezawodnosc</i> , <b>2021</b> , 23, 278-284	3.5	2
18	Performance reliability analysis and optimization of lithium-ion battery packs based on multiphysics simulation and response surface methodology. <i>Journal of Power Sources</i> , <b>2021</b> , 490, 229567	8.9	2
17	Ontology-Based Environmental Effectiveness Knowledge Application System for Optimal Reliability Design. <i>Journal of Computing and Information Science in Engineering</i> , <b>2017</b> , 17,	2.4	1
16	A novel concept and assessment method for trustworthiness of prognostics. <i>Advances in Mechanical Engineering</i> , <b>2016</b> , 8, 168781401663880	1.2	1
15	Characterization of Stochastically Distributed Voids in Sintered Nano-Silver Joints <b>2019</b> ,		1
14	A Heuristic Hybrid Optimization Approach for Spare Parts and Maintenance Workers Under Partial Pooling. <i>IEEE Access</i> , <b>2019</b> , 7, 137835-137847	3.5	1
13	Binary logic state transition oriented formal general reliability model. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2015</b> , 20, 482-488	0.6	1
12	A novel ontology approach to support design for reliability considering environmental effects. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 734984	2.2	1
11	Model based FMEA for electronic products <b>2015</b> ,		1
10	Process reengineering method for synthesis design of reliability maintainability supportability and performance <b>2011</b> ,		1
9	A modified connectivity link addition strategy to improve the resilience of multiplex networks against attacks. <i>Reliability Engineering and System Safety</i> , <b>2022</b> , 221, 108294	6.3	1
8	The debonding failure mechanism analysis and performance experiments of 3D printed wiring boards <b>2020</b> ,		1
7	A novel adaptive pigeon-inspired optimization algorithm based on evolutionary game theory. <i>Science China Information Sciences</i> , <b>2021</b> , 64, 1	3.4	1
6	Fatigue Reliability Analysis Method of Reactor Structure Considering Cumulative Effect of Irradiation. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
5	An Electric Fence-Based Intelligent Scheduling Method for Rebalancing Dockless Bike Sharing Systems. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 5031	2.6	1
4	Quantify measuring method for combat unit mission focusing on unsucccess prevention. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2015</b> , 20, 458-463	0.6	
3	Degradation Analysis for Reliability of Optoelectronics <b>2022</b> , 317-350		

- 2 Failure-based sealing reliability analysis considering dynamic interval and hybrid uncertainties. *Eksploatacja I Niezawodnosc*, **2021**, 23, 278-284 3.5
- 1 The effect of reactant consumption on thermal explosion of battery by using kinetic-based simulation approach. *Journal of Thermal Analysis and Calorimetry*, **2018**, 131, 1933-1948 4.1