

Rui Kang

List of Publications by Year in descending order

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papers

706
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687363

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43
times ranked

544
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Decision Time in Uncertain Binary Choice. <i>Symmetry</i> , 2022, 14, 201.	2.2	0
2	Software Belief Reliability Growth Model Based on Uncertain Differential Equation. <i>IEEE Transactions on Reliability</i> , 2022, 71, 775-787.	4.6	11
3	Integration for degradation analysis with multi-source ADT datasets considering dataset discrepancies and epistemic uncertainties. <i>Reliability Engineering and System Safety</i> , 2022, 222, 108430.	8.9	5
4	Imperfect Debugging Software Belief Reliability Growth Model Based on Uncertain Differential Equation. <i>IEEE Transactions on Reliability</i> , 2022, 71, 735-746.	4.6	5
5	A Quantitative Input for Evaluating Human Error of Visual Neglect: Prediction of Operator's Detection Time Spent on Perceiving Critical Visual Signal. <i>Reliability Engineering and System Safety</i> , 2022, , 108582.	8.9	1
6	System Resilience Evaluation and Optimization Considering Epistemic Uncertainty. <i>Symmetry</i> , 2022, 14, 1182.	2.2	2
7	Uncertainty Expression and Propagation in the Risk Assessment of Uncertain Random System. <i>IEEE Systems Journal</i> , 2021, 15, 1604-1615.	4.6	14
8	Belief Availability for Repairable Systems Based on Uncertain Alternating Renewal Process. <i>IEEE Transactions on Reliability</i> , 2021, 70, 1242-1254.	4.6	4
9	Belief Reliability Analysis of Electrical Performance Based on Analog Behavior Modeling. , 2021, , .		0
10	Risk assessment of uncertain random systemâ€™s Level-1 and level-2 joint propagation of uncertainty and probability in fault tree analysis. <i>Reliability Engineering and System Safety</i> , 2020, 198, 106874.	8.9	34
11	VTB-RTRRP: Variable Threshold Based Response Time Reliability Real-Time Prediction. <i>IEEE Access</i> , 2018, 6, 60-71.	4.2	35
12	Uncertainty theory as a basis for belief reliability. <i>Information Sciences</i> , 2018, 429, 26-36.	6.9	54
13	An Integration Method of Expert Experience and ADT Data Based on Uncertain Cross-Entropy. , 2018, , .		0
14	Reliability Evaluation Based on Sentiment Analysis of Online Comment. , 2018, , .		1
15	How Does Node Resilience Effect on Complex Networks?. , 2018, , .		0
16	Belief Reliability for Uncertain Random Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3605-3614.	9.8	77
17	A new method of level-2 uncertainty analysis in risk assessment based on uncertainty theory. <i>Soft Computing</i> , 2018, 22, 5867-5877.	3.6	15
18	Reliability analysis of a cold-standby system considering the development stages and accumulations of failure mechanisms. <i>Reliability Engineering and System Safety</i> , 2018, 180, 1-12.	8.9	23

#	ARTICLE	IF	CITATIONS
19	Reliability analysis of multi-state systems subject to failure mechanism dependence based on a combination method. Reliability Engineering and System Safety, 2017, 166, 109-123.	8.9	31
20	A colored generalized stochastic Petri net simulation model for service reliability evaluation of active-active cloud data center based on IT infrastructure. , 2017, , .		5
21	Mitigation of cascading failure with dynamical flux removal. , 2017, , .		0
22	Accelerated acceptance sampling plan with asymmetrical information. , 2017, , .		1
23	NUMERICAL SIMULATION ON THE EXISTENCE OF FLUCTUATION OF INSTANTANEOUS AVAILABILITY. Transactions of the Canadian Society for Mechanical Engineering, 2016, 40, 703-713.	0.8	3
24	Service reliability modeling of the IT infrastructure of active-active cloud data center. , 2016, , .		4
25	Measuring reliability under epistemic uncertainty: Review on non-probabilistic reliability metrics. Chinese Journal of Aeronautics, 2016, 29, 571-579.	5.3	98
26	Reliability analysis in uncertain random system. Fuzzy Optimization and Decision Making, 2016, 15, 491-506.	5.5	66
27	Failure mechanism dependence and reliability evaluation of non-repairable system. Reliability Engineering and System Safety, 2015, 138, 273-283.	8.9	51
28	Research on glucose concentration predicting based on ARMA model. , 2014, , .		3
29	The α -cost minimization model for capacitated facility location-allocation problem with uncertain demands. Fuzzy Optimization and Decision Making, 2014, 13, 345-356.	5.5	48
30	Spatial correlation analysis of cascading failures: Congestions and Blackouts. Scientific Reports, 2014, 4, 5381.	3.3	102
31	Reliability Analysis of Interdependent Networks Using Percolation Theory. , 2013, , .		3
32	Connotation of failure mechanism consistency and identification method for accelerated testing. , 2011, , .		1
33	Inertial platform systems parameters degradation finite element modeling. , 2011, , .		1
34	Failure Mode, Mechanism and Effect Analysis for Single Board Computers. , 2011, , .		1
35	Storage reliability evaluation of engine control circuit module. , 2011, , .		0
36	Comparative analysis of the continuous-time model and discrete-time instantaneous availability model of the delay repairable system. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
37	Investigation on the failure data of commercial aircrafts and computer motherboard. , 2011, , .		2
38	Transient Thermal Finite Element Analysis of Accelerometers. , 2011, , .		0
39	Lifetime prediction and impact factors analysis of ball grid array solder joint based on FEA. , 2010, , .		2
40	Instantaneous availability model with 2-D discrete characteristics of one-unit repairable systems. , 2010, , .		0
41	Research on NC Machine Tool Dynamic Characteristic Considering Processing Dynamics. , 2010, , .		0
42	Failure behavior of multi-state system considering functional and physical isolation effects. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 0, , 1748006X2110418.	0.7	0
43	A test-based methodology for the probabilistic assessment of system resilience under random disturbances. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 0, , 1748006X2211088.	0.7	0