Xing Pan

List of Publications by Year
in descending order

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45 papers	352 citations	1040056 9 h-index	888059 17 g-index
45 all docs	45 docs citations	45 times ranked	256 citing authors

#	Article	IF	Citations
1	A Review of Cognitive Models in Human Reliability Analysis. Quality and Reliability Engineering International, 2017, 33, 1299-1316.	2.3	42
2	New model of the storage location assignment problem considering demand correlation pattern. Computers and Industrial Engineering, 2019, 129, 210-219.	6.3	41
3	Risk assessment of uncertain random systemâ€”Level-1 and level-2 joint propagation of uncertainty and probability in fault tree analysis. Reliability Engineering and System Safety, 2020, 198, 106874.	8.9	34
4	Resilience model and recovery strategy of transportation network based on travel OD-grid analysis. Reliability Engineering and System Safety, 2022, 223, 108483.	8.9	31
5	Short-Term Traffic Flow Prediction of the Smart City Using 5G Internet of Vehicles Based on Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-10.	8.0	20
6	Systems Thinking: A Comparison between Chinese and Western Approaches. Procedia Computer Science, 2013, 16, 1027-1035.	2.0	18
7	Performance shaping factors in the human error probability modification of human reliability analysis. International Journal of Occupational Safety and Ergonomics, 2020, 26, 538-550.	1.9	15
8	Resilience of and recovery strategies for weighted networks. PLoS ONE, 2018, 13, e0203894.	2.5	14
9	Uncertainty Expression and Propagation in the Risk Assessment of Uncertain Random System. IEEE Systems Journal, 2021, 15, 1604-1615.	4.6	14
10	Modeling and simulation for SoS based on the DoDAF framework. , 2011, , .		13
11	Rapid assessment of system-of-systems(SoS) mission reliability based on Markov chains. , 2015, , .		9
12	An Evidence Combination Rule Based on Transferable Belief Model and Application in Reliability Assessment With Multi-Source Data. IEEE Access, 2020, 8, 69096-69104.	4.2	9
13	Research on Human Error Risk Evaluation Using Extended Bayesian Networks with Hybrid Data. Reliability Engineering and System Safety, 2021, 209, 107336.	8.9	9
14	Simulation-based automatic generation of risk scenarios. Journal of Systems Engineering and Electronics, 2011, 22, 437-444.	2.2	8
15	Multi-parameters uncertainty analysis of logistic support process based on GERT. Journal of Systems Engineering and Electronics, 2014, 25, 1011-1019.	2.2	8
16	Method of Spare Parts Prediction Models Evaluation Based on Grey Comprehensive Correlation Degree and Association Rules Mining: A Case Study in Aviation. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	7
17	Community centered public safety resilience under public emergencies: A case study of COVIDâ€19. Risk Analysis, 2023, 43, 114-128.	2.7	7
18	Organizational Reliability Capability Assessment: A Case Study in China R&D Enterprise for Aviation Products. IEEE Transactions on Reliability, 2015, 64, 550-561.	4.6	6

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19	A Method of Quality Improvement Based on Big Quality Warranty Data Analysis. , 2018, , .		5
20	The task demandsâ€resources method: A new approach to human reliability analysis from a psychological perspective. Quality and Reliability Engineering International, 2019, 35, 1200-1218.	2.3	5
21	Probabilistic Risk Assessment in Space Launches Using Bayesian Network with Fuzzy Method. Aerospace, 2022, 9, 311.	2.2	5
22	Auditory versus visual spatial stimulus-response mappings in tracking and discrete dual task performance: implications for human-machine interface design. Ergonomics, 2021, 64, 485-501.	2.1	4
23	Human Reliability Analysis in carrier-based aircraft recovery procedure based on CREAM. , 2015, , .		3
24	Relation of motivation intensity, stress levels and human performance: A human reliability experiment. , 2017, , .		3
25	Risk Scenario Generation Based on Importance Measure Analysis. Sustainability, 2018, 10, 3207.	3.2	3
26	Remaining Useful Life Prediction with Similarity Fusion of Multi-Parameter and Multi-Sample Based on the Vibration Signals of Diesel Generator Gearbox. Entropy, 2019, 21, 861.	2.2	3
27	A fuzzy synthetic evaluation method for failure risk of aviation product R&D project. , 2010, , .		2
28	Study on risk scenarios of project failure based on Monte-Carlo simulation. , 2011, , .		2
29	A review of factor modification methods in human reliability analysis. , 2014, , .		2
30	Influence of work motivation and task difficulty on human reliability. , 2017, , .		2
31	Modeling the Capacitated Multi-Level Lot-Sizing Problem under Time-Varying Environments and a Fix-and-Optimize Solution Approach. Entropy, 2019, 21, 377.	2.2	2
32	Research of organizational RMS engineering capability assessment method. , 2010, , .		1
33	Simulation and uniform design-based automatic generation of risk scenarios. Journal of Systems Engineering and Electronics, 2011, 22, 1015-1022.	2.2	1
34	Relativity modeling of work motivation and human error probability based on neural network. , 2016, , .		1
35	Area method used in the evaluation of resilience implementation approaches in system of systems. , 2016, , .		1
36	Quality and Reliability Improvement Based on the Quality Function Deployment Method. , 2018, , .		1

#	Article	IF	Citations
37	A Quantitative Input for Evaluating Human Error of Visual Neglection: Prediction of Operator's Detection Time Spent on Perceiving Critical Visual Signal. Reliability Engineering and System Safety, 2022, , 108582.	8.9	1
38	The Object-Oriented Knowledge Representation Method for Project Failure Based on FCTA. , 2010, , .		0
39	The project failure knowledge representation method based on FCTA. , 2010, , .		0
40	Research on the project critical activity uncertainty risk assessment. , 2014, , .		0
41	A SOS reliability evaluate approach based on GERT. , 2015, , .		0
42	Resilience-based optimization of recovery strategies for network systems. , 2017, , .		0
43	Shortest Path Algorithm Based on Community Detection. , 2018, , .		0
44	The Uncapacitatied Dynamic Single-Level Lot-Sizing Problem under a Time-Varying Environment and an Exact Solution Approach. Sustainability, 2018, 10, 3867.	3.2	0
45	Human Decision Time in Uncertain Binary Choice. Symmetry, 2022, 14, 201.	2.2	0