

Mohammad Yazdi

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,808
citations

147566

31
h-index

182168

51
g-index

70
all docs

70
docs citations

70
times ranked

1080
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved DEMATEL methodology for effective safety management decision-making. <i>Safety Science</i> , 2020, 127, 104705.	2.6	208
2	A fuzzy Bayesian network approach for risk analysis in process industries. <i>Chemical Engineering Research and Design</i> , 2017, 111, 507-519.	2.7	201
3	An extension to Fuzzy Developed Failure Mode and Effects Analysis (FDFMEA) application for aircraft landing system. <i>Safety Science</i> , 2017, 98, 113-123.	2.6	157
4	A hybrid model for human factor analysis in process accidents: FBN-HFACS. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 57, 142-155.	1.7	135
5	Uncertainty handling in fault tree based risk assessment: State of the art and future perspectives. <i>Chemical Engineering Research and Design</i> , 2019, 131, 89-104.	2.7	125
6	Risk assessment based on novel intuitionistic fuzzy-hybrid-modified TOPSIS approach. <i>Safety Science</i> , 2018, 110, 438-448.	2.6	121
7	A novel extension of DEMATEL approach for probabilistic safety analysis in process systems. <i>Safety Science</i> , 2020, 121, 119-136.	2.6	108
8	Application of fuzzy fault tree analysis based on modified fuzzy AHP and fuzzy TOPSIS for fire and explosion in the process industry. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, 26, 319-335.	1.1	92
9	Failure probability analysis by employing fuzzy fault tree analysis. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017, 8, 1177-1193.	1.5	90
10	Uncertainty-Aware Dynamic Reliability Analysis Framework for Complex Systems. <i>IEEE Access</i> , 2018, 6, 29499-29515.	2.6	78
11	Uncertainty Handling in the Safety Risk Analysis: An Integrated Approach Based on Fuzzy Fault Tree Analysis. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 392-404.	0.5	75
12	Hybrid Probabilistic Risk Assessment Using Fuzzy FTA and Fuzzy AHP in a Process Industry. <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 756-764.	0.5	74
13	A Method for Temporal Fault Tree Analysis Using Intuitionistic Fuzzy Set and Expert Elicitation. <i>IEEE Access</i> , 2020, 8, 980-996.	2.6	67
14	Fuzzy evidence theory and Bayesian networks for process systems risk analysis. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 57-86.	1.7	65
15	A dynamic risk model to analyze hydrogen infrastructure. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 4626-4643.	3.8	63
16	Improving failure mode and effect analysis (FMEA) with consideration of uncertainty handling as an interactive approach. <i>International Journal on Interactive Design and Manufacturing</i> , 2019, 13, 441-458.	1.3	58
17	Fuzzy dynamic risk-based maintenance investment optimization for offshore process facilities. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 57, 194-207.	1.7	56
18	A reliable risk analysis approach using an extension of best-worst method based on democratic-autocratic decision-making style. <i>Journal of Cleaner Production</i> , 2020, 256, 120418.	4.6	54

#	ARTICLE	IF	CITATIONS
19	Fuzzy smart failure modes and effects analysis to improve safety performance of system: Case study of an aircraft landing system. <i>Quality and Reliability Engineering International</i> , 2020, 36, 890-909.	1.4	45
20	Microbiologically influenced corrosion (MIC) management using Bayesian inference. <i>Ocean Engineering</i> , 2021, 226, 108852.	1.9	45
21	A methodology for enhancing the reliability of expert system applications in probabilistic risk assessment. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 58, 51-59.	1.7	42
22	Supportive emergency decision-making model towards sustainable development with fuzzy expert system. <i>Neural Computing and Applications</i> , 2021, 33, 15619-15637.	3.2	39
23	Footprint of knowledge acquisition improvement in failure diagnosis analysis. <i>Quality and Reliability Engineering International</i> , 2019, 35, 405-422.	1.4	37
24	Operational subsea pipeline assessment affected by multiple defects of microbiologically influenced corrosion. <i>Chemical Engineering Research and Design</i> , 2022, 158, 159-171.	2.7	37
25	A review of risk-based decision-making models for microbiologically influenced corrosion (MIC) in offshore pipelines. <i>Reliability Engineering and System Safety</i> , 2022, 223, 108474.	5.1	37
26	Acquiring and Sharing Tacit Knowledge in Failure Diagnosis Analysis Using Intuitionistic and Pythagorean Assessments. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 369-386.	0.5	36
27	Resilience assessment of a subsea pipeline using dynamic Bayesian network. <i>Journal of Pipeline Science and Engineering</i> , 2022, 2, 100053.	2.4	36
28	An improved lasso regression model for evaluating the efficiency of intervention actions in a system reliability analysis. <i>Neural Computing and Applications</i> , 2021, 33, 7913-7928.	3.2	35
29	A review paper to examine the validity of Bayesian network to build rational consensus in subjective probabilistic failure analysis. <i>International Journal of Systems Assurance Engineering and Management</i> , 2019, 10, 1-18.	1.5	33
30	The Application of Bow-Tie Method in Hydrogen Sulfide Risk Management Using Layer of Protection Analysis (LOPA). <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 291-303.	0.5	32
31	An improved multi-criteria emergency decision-making method in environmental disasters. <i>Soft Computing</i> , 2021, 25, 10351-10379.	2.1	32
32	Knowledge acquisition development in failure diagnosis analysis as an interactive approach. <i>International Journal on Interactive Design and Manufacturing</i> , 2019, 13, 193-210.	1.3	30
33	A perceptual computing-based method to prioritize intervention actions in the probabilistic risk assessment techniques. <i>Quality and Reliability Engineering International</i> , 2020, 36, 187-213.	1.4	27
34	Dynamic logistics disruption risk model for offshore supply vessel operations in Arctic waters. <i>Maritime Transport Research</i> , 2021, 2, 100039.	1.5	26
35	A multi-criteria decision-making framework for site selection of offshore wind farms in Australia. <i>Ocean and Coastal Management</i> , 2022, 224, 106196.	2.0	26
36	A CRITIC-VIKOR based robust approach to support risk management of subsea pipelines. <i>Applied Ocean Research</i> , 2022, 124, 103187.	1.8	26

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37	Uncertainty modeling in risk assessment of digitalized process systems. <i>Methods in Chemical Process Safety</i> , 2022, , 389-416.	0.5	26
38	Ignorance-aware safety and reliability analysis: A heuristic approach. <i>Quality and Reliability Engineering International</i> , 2020, 36, 652-674.	1.4	24
39	A sustainable perspective of optimal site selection of giant air-purifiers in large metropolitan areas. <i>Environment, Development and Sustainability</i> , 2022, 24, 8747-8778.	2.7	23
40	Probabilistic Risk Analysis of Process Systems Considering Epistemic and Aleatory Uncertainties: A Comparison Study. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2021, 29, 181-207.	0.9	22
41	Introducing a heuristic approach to enhance the reliability of system safety assessment. <i>Quality and Reliability Engineering International</i> , 2019, 35, 2612-2638.	1.4	21
42	Learning from Fire Accident at Bouali Sina Petrochemical Complex Plant. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 1517-1536.	0.5	20
43	Quantitative Risk Analysis on Rail Transportation of Hazardous Materials. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-14.	0.6	16
44	Fuzzy Sets Theory and Human Reliability: Review, Applications, and Contributions. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 91-137.	0.6	15
45	Developing Failure Modes and Effect Analysis on Offshore Wind Turbines Using Two-Stage Optimization Probabilistic Linguistic Preference Relations. <i>Studies in Systems, Decision and Control</i> , 2022, , 47-68.	0.8	15
46	Satellite Multispectral and Hyperspectral Image De-Noising with Enhanced Adaptive Generalized Gaussian Distribution Threshold in the Wavelet Domain. <i>Remote Sensing</i> , 2021, 13, 101.	1.8	14
47	Intelligent Fuzzy Pythagorean Bayesian Decision Making of Maintenance Strategy Selection in Offshore Sectors. <i>Lecture Notes in Networks and Systems</i> , 2022, , 598-604.	0.5	13
48	What Are the Critical Well-Drilling Blowouts Barriers? A Progressive DEMATEL-Game Theory. <i>Studies in Systems, Decision and Control</i> , 2022, , 29-46.	0.8	13
49	Application of an Artificial Intelligence Decision-Making Method for the Selection of Maintenance Strategy. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 246-253.	0.5	11
50	Integration of the Bayesian Network Approach and Interval Type-2 Fuzzy Sets for Developing Sustainable Hydrogen Storage Technology in Large Metropolitan Areas. <i>Studies in Systems, Decision and Control</i> , 2022, , 69-85.	0.8	11
51	A Holistic Question: Is It Correct that Decision-Makers Neglect the Probability in the Risk Assessment Method?. <i>Studies in Systems, Decision and Control</i> , 2022, , 185-189.	0.8	11
52	Introducing a Probabilistic-Based Hybrid Model (Fuzzy-BWM-Bayesian Network) to Assess the Quality Index of a Medical Service. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 171-183.	0.6	10
53	Stochastic Game Theory Approach to Solve System Safety and Reliability Decision-Making Problem Under Uncertainty. <i>Studies in Systems, Decision and Control</i> , 2022, , 127-151.	0.8	10
54	Reliability Analysis of Correlated Failure Modes by Transforming Fault Tree Model to Bayesian Network: A Case Study of the MDS of a CNC Machine Tool. <i>Studies in Systems, Decision and Control</i> , 2022, , 15-28.	0.8	9

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55	Dynamic Decision-Making Trial and Evaluation Laboratory (DEMATEL): Improving Safety Management System. <i>Studies in Systems, Decision and Control</i> , 2022, , 1-14.	0.8	9
56	An Advanced TOPSIS-PFS Method to Improve Human System Reliability. <i>Studies in Systems, Decision and Control</i> , 2022, , 109-125.	0.8	7
57	Advanced Decision-Making Neutrosophic Fuzzy Evidence-Based Best/Worst Method. <i>Studies in Systems, Decision and Control</i> , 2022, , 153-184.	0.8	7
58	Fuzzy-Based Failure Diagnostic Analysis in a Chemical Process Industry. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 724-731.	0.5	5
59	Domino effect risk management: Decision making methods. <i>Methods in Chemical Process Safety</i> , 2021, , 421-460.	0.5	4
60	Smart Decision Fuzzy-Based Data Envelopment Model for Failure Modes and Effects Analysis. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 151-170.	0.6	4
61	Emergency Decision Making Fuzzy-Expert Aided Disaster Management System. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 139-150.	0.6	4
62	Application of multi-criteria decision-making tools for a site analysis of offshore wind turbines. , 2022, , 109-127.		3
63	A Brief Review of Using Linguistic Terms in System Safety and Reliability Analysis. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 1-4.	0.6	3
64	Optimizing the Allocation of Risk Control Measures Using Fuzzy MCDM Approach: Review and Application. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 53-89.	0.6	3
65	How to Deal with Toxic People Using a Fuzzy Cognitive Map: Improving the Health and Wellbeing of the Human System. <i>Studies in Systems, Decision and Control</i> , 2022, , 87-107.	0.8	3
66	Fuzzy Linear Programming in System Safety. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 185-192.	0.6	2
67	2-tuple Fuzzy-Based Linguistic Term Set Approach to Analyse the System Safety and Reliability. <i>Studies in Fuzziness and Soft Computing</i> , 2022, , 5-12.	0.6	1