Ahmad BahooToroody

List of Publications by Year
in descending order

24 papers	457 citations

623734

14 h-index	

713466

21 g-index

24 all docs	24 docs citations	24 times ranked	247 citing authors

#	Article	IF	Citations
1	Developing a risk-based maintenance model for a Natural Gas Regulating and Metering Station using Bayesian Network. Journal of Loss Prevention in the Process Industries, 2019, 57, 17-24.	3.3	54
2	Multi-level optimization of maintenance plan for natural gas system exposed to deterioration process. Journal of Hazardous Materials, 2019, 362, 412-423.	12.4	45
3	A multinomial process tree for reliability assessment of machinery in autonomous ships. Reliability Engineering and System Safety, 2021, 210, 107484.	8.9	38
4	A dynamic human reliability model for marine and offshore operations in harsh environments. Ocean Engineering, 2019, 173, 90-97.	4.3	36
5	A condition monitoring based signal filtering approach for dynamic time dependent safety assessment of natural gas distribution process. Chemical Engineering Research and Design, 2019, 123, 335-343.	5.6	29
6	A methodology for uncertainty analysis of landslides triggered by an earthquake. Computers and Geotechnics, 2020, 117, 103262.	4.7	28
7	Towards system-theoretic risk assessment for future ships: A framework for selecting Risk Control Options. Ocean Engineering, 2022, 259, 111797.	4.3	28
8	On reliability challenges of repairable systems using hierarchical bayesian inference and maximum likelihood estimation. Chemical Engineering Research and Design, 2020, 135, 157-165.	5.6	26
9	On hierarchical bayesian based predictive maintenance of autonomous natural gas regulating operations. Chemical Engineering Research and Design, 2021, 147, 115-124.	5.6	19
10	A probabilistic model to evaluate the resilience of unattended machinery plants in autonomous ships. Reliability Engineering and System Safety, 2022, 219, 108176.	8.9	19
11	Prognostic health management of repairable ship systems through different autonomy degree; From current condition to fully autonomous ship. Reliability Engineering and System Safety, 2022, 221, 108355.	8.9	19
12	Bayesian regression based condition monitoring approach for effective reliability prediction of random processes in autonomous energy supply operation. Reliability Engineering and System Safety, 2020, 201, 106966.	8.9	18
13	On risk-based maintenance: A comprehensive review of three approaches to track the impact of consequence modelling for predicting maintenance actions. Journal of Loss Prevention in the Process Industries, 2021, 72, 104555.	3.3	15
14	Epistemic-based investigation of the probability of hazard scenarios using Bayesian network for the lifting operation of floating objects. Journal of Marine Science and Application, 2016, 15, 250-259.	1.7	14
15	Developing a Risk-Based Approach for Optimizing Human Reliability Assessment in an Offshore Operation. Open Journal of Safety Science and Technology, 2016, 06, 25-34.	0.3	14
16	Conceptual compression discussion on a multi-linear (FTA) and systematic (FRAM) method in an offshore operation's accident modeling. International Journal of Occupational Safety and Ergonomics, 2016, 22, 532-540.	1.9	13
17	A decision-making framework for selecting an MBSE language—A case study to ship pilotage. Expert Systems With Applications, 2022, 193, 116451.	7.6	13
18	On reliability assessment of ship machinery system in different autonomy degree; A Bayesian-based approach. Ocean Engineering, 2022, 254, 111252.	4.3	8

#	Article	IF	Citations
19	Model-based information fusion investigation on fault isolation of subsea systems considering the interaction among subsystems and sensors. Journal of Loss Prevention in the Process Industries, 2020, 67, 104267.	3.3	6
20	Bayesian Estimation for Reliability Engineering: Addressing the Influence of Prior Choice. International Journal of Environmental Research and Public Health, 2021, 18, 3349.	2.6	6
21	Reliability Estimation under Scarcity of Data: A Comparison of Three Approaches. Mathematical Problems in Engineering, 2021, 2021, 1-15.	1.1	3
22	A hierarchical Bayesian regression framework for enabling online reliability estimation and condition-based maintenance through accelerated testing. Computers in Industry, 2022, 139, 103645.	9.9	3
23	A systematic approach for predicting loyalty behavior of tourist destinations. Journal of Tourism Futures, 2021, , .	3.9	2
24	A Bayesian-based framework for advanced nature-based tourism model. Journal of Asian Business and Economic Studies, 2021, ahead-of-print, .	2.5	1