

Mohammad Mahdi Abaei

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

618
citations

516710
16
h-index

580821
25
g-index

25
all docs

25
docs citations

25
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk-based maintenance planning of subsea pipelines through fatigue crack growth monitoring. Engineering Failure Analysis, 2017, 79, 928-939.	4.0	78
2	Reliability assessment of marine floating structures using Bayesian network. Applied Ocean Research, 2018, 76, 51-60.	4.1	54
3	Developing a novel risk-based methodology for multi-criteria decision making in marine renewable energy applications. Renewable Energy, 2017, 102, 341-348.	8.9	52
4	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
5	Dynamic reliability assessment of ship grounding using Bayesian Inference. Ocean Engineering, 2018, 159, 47-55.	4.3	40
6	A multinomial process tree for reliability assessment of machinery in autonomous ships. Reliability Engineering and System Safety, 2021, 210, 107484.	8.9	38
7	A dynamic human reliability model for marine and offshore operations in harsh environments. Ocean Engineering, 2019, 173, 90-97.	4.3	36
8	A hierarchical Bayesian approach to modelling fate and transport of oil released from subsea pipelines. Chemical Engineering Research and Design, 2018, 118, 307-315.	5.6	35
9	Condition monitoring of subsea pipelines considering stress observation and structural deterioration. Journal of Loss Prevention in the Process Industries, 2018, 51, 178-185.	3.3	31
10	A robust risk assessment methodology for safety analysis of marine structures under storm conditions. Ocean Engineering, 2018, 156, 167-178.	4.3	29
11	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
12	A methodology for uncertainty analysis of landslides triggered by an earthquake. Computers and Geotechnics, 2020, 117, 103262.	4.7	28
13	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
14	On hierarchical bayesian based predictive maintenance of autonomous natural gas regulating operations. Chemical Engineering Research and Design, 2021, 147, 115-124.	5.6	19
15	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
16	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
17	A Markovian approach to power generation capacity assessment of floating wave energy converters. Renewable Energy, 2020, 146, 2736-2743.	8.9	8
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	A novel approach to safety analysis of floating structures experiencing storm. Ocean Engineering, 2018, 150, 397-403.	4.3	7
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 risk-based approach to layout implementation of WEC array by addressing accidental constraints. Journal of Ocean Engineering and Marine Energy, 2019, 5, 73-84.	1.7	2
24	A systematic approach for predicting loyalty behavior of tourist destinations. Journal of Tourism Futures, 2021, , .	3.9	2
25	A Bayesian-based framework for advanced nature-based tourism model. Journal of Asian Business and Economic Studies, 2021, ahead-of-print, .	2.5	1