

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	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
2	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
3	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
4	On reliability assessment of ship machinery system in different autonomy degree; A Bayesian-based approach. Ocean Engineering, 2022, 254, 111252.	4.3	8
5	On hierarchical bayesian based predictive maintenance of autonomous natural gas regulating operations. Chemical Engineering Research and Design, 2021, 147, 115-124.	5.6	19
6	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
7	Reliability Estimation under Scarcity of Data: A Comparison of Three Approaches. Mathematical Problems in Engineering, 2021, 2021, 1-15.	1.1	3
8	A multinomial process tree for reliability assessment of machinery in autonomous ships. Reliability Engineering and System Safety, 2021, 210, 107484.	8.9	38
9	A Bayesian-based framework for advanced nature-based tourism model. Journal of Asian Business and Economic Studies, 2021, ahead-of-print, .	2.5	1
10	A systematic approach for predicting loyalty behavior of tourist destinations. Journal of Tourism Futures, 2021, , .	3.9	2
11	A methodology for uncertainty analysis of landslides triggered by an earthquake. Computers and Geotechnics, 2020, 117, 103262.	4.7	28
12	A Markovian approach to power generation capacity assessment of floating wave energy converters. Renewable Energy, 2020, 146, 2736-2743.	8.9	8
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	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
15	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
16	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
17	A dynamic human reliability model for marine and offshore operations in harsh environments. Ocean Engineering, 2019, 173, 90-97.	4.3	36
18	Reliability assessment of marine floating structures using Bayesian network. Applied Ocean Research, 2018, 76, 51-60.	4.1	54

#	ARTICLE	IF	CITATIONS
19	Dynamic reliability assessment of ship grounding using Bayesian Inference. Ocean Engineering, 2018, 159, 47-55.	4.3	40
20	A novel approach to safety analysis of floating structures experiencing storm. Ocean Engineering, 2018, 150, 397-403.	4.3	7
21	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
22	A robust risk assessment methodology for safety analysis of marine structures under storm conditions. Ocean Engineering, 2018, 156, 167-178.	4.3	29
23	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
24	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
25	Risk-based maintenance planning of subsea pipelines through fatigue crack growth monitoring. Engineering Failure Analysis, 2017, 79, 928-939.	4.0	78