Emre Akyuz

List of Publications by Year in descending order

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55 papers	2,350 citations	172457 29 h-index	214800 47 g-index
55 all docs	55 docs citations	55 times ranked	1107 citing authors

#	Article	IF	Citations
1	Probability-based extensive quantitative risk analysis: collision and grounding case studies for bulk carrier and general cargo ships. Australian Journal of Maritime and Ocean Affairs, 2023, 15, 89-105.	2.0	4
2	Quantitative risk analysis for operational transfer processes of maritime pilots. Maritime Policy and Management, 2023, 50, 375-389.	3.8	3
3	An extended human reliability analysing under fuzzy logic environment for ship navigation. Australian Journal of Maritime and Ocean Affairs, 2023, 15, 189-209.	2.0	8
4	A fuzzy bestâ€“worst method (BWM) to assess the potential environmental impacts of the process of ship recycling. Maritime Policy and Management, 2022, 49, 396-409.	3.8	21
5	Prediction of humanâ€“machine interface (HMI) operational errors for maritime autonomous surface ships (MASS). Journal of Marine Science and Technology, 2022, 27, 293-306.	2.9	21
6	Application of data-mining techniques to predict and rank maritime non-conformities in tanker shipping companies using accident inspection reports. Ships and Offshore Structures, 2022, 17, 687-694.	1.9	5
7	Quantitative failure analysis for static electricity-related explosion and fire accidents on tanker vessels under fuzzy bow-tie CREAM approach. Engineering Failure Analysis, 2022, 131, 105917.	4.0	36
8	An extended HEART Dempsterâ€“Shafer evidence theory approach to assess human reliability for the gas freeing process on chemical tankers. Reliability Engineering and System Safety, 2022, 220, 108275.	8.9	26
9	Application of a SPAR-H based framework to assess human reliability during emergency response drill for man overboard on ships. Ocean Engineering, 2022, 251, 111089.	4.3	18
10	Modified quantitative systems theoretic accident model and processes (STAMP) analysis: A catastrophic ship engine failure case. Ocean Engineering, 2022, 253, 111187.	4.3	23
11	D-S evidence based FMECA approach to assess potential risks in ballast water system (BWS) on-board tanker ship. Journal of Ocean Engineering and Science, 2022, , .	4.3	15
12	Analyzing human error contributions to maritime environmental risk in oil/chemical tanker ship. Human and Ecological Risk Assessment (HERA), 2021, 27, 1838-1859.	3.4	33
13	An interval type-2 fuzzy SLIM approach to predict human error in maritime transportation. Ocean Engineering, 2021, 232, 109161.	4.3	26
14	Validation of risk analysis for ship collision in narrow waters by using fuzzy Bayesian networks approach. Ocean Engineering, 2021, 231, 108973.	4.3	69
15	An Extended Event Tree Risk Analysis Under Fuzzy Logic Environment: The Case of Fire in Ship Engine Room. Journal of ETA Maritime Science, 2021, 9, 210-220.	0.9	10
16	A probabilistic risk assessment for asphyxiation during gas inerting process in chemical tanker ship. Chemical Engineering Research and Design, 2021, 155, 532-542.	5.6	24
17	Systems-Theoretic Accident Model and Processes (STAMP) approach to analyse socio-technical systems of ship allision in narrow waters. Ocean Engineering, 2021, 239, 109804.	4.3	26
18	Application of fuzzy bow-tie risk analysis to maritime transportation: The case of ship collision during the STS operation. Ocean Engineering, 2020, 217, 107960.	4.3	67

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19	Analysis of performance influence factors on shipboard drills to improve ship emergency preparedness at sea. International Journal of Shipping and Transport Logistics, 2020, 12, 92.	0.5	7
20	Application of fuzzy logic to fault tree and event tree analysis of the risk for cargo liquefaction on board ship. Applied Ocean Research, 2020, 101, 102238.	4.1	49
21	Analysis of performance influence factors on shipboard drills to improve ship emergency preparedness at sea. International Journal of Shipping and Transport Logistics, 2020, 12, 92.	0.5	1
22	Statistical modelling of ship operational performance monitoring problem. Journal of Marine Science and Technology, 2019, 24, 543-552.	2.9	28
23	Future Skills Requirements Analysis in Maritime Industry. Procedia Computer Science, 2019, 158, 270-274.	2.0	40
24	Application of human reliability analysis to repair & maintenance operations on-board ships: The case of HFO purifier overhauling. Applied Ocean Research, 2019, 88, 317-325.	4.1	31
25	Application of Fuzzy Fault Tree Analysis (FFTA) to maritime industry: A risk analysing of ship mooring operation. Ocean Engineering, 2019, 179, 128-134.	4.3	88
26	A Comparative Research of Machine Learning Impact to Future of Maritime Transportation. Procedia Computer Science, 2019, 158, 275-280.	2.0	15
27	An interval type-2 fuzzy QUALIFLEX approach to measure performance effectiveness of ballast water treatment (BWT) system on-board ship. Ships and Offshore Structures, 2019, 14, 675-683.	1.9	22
28	An interval type-2 fuzzy AHP and TOPSIS methods for decision-making problems in maritime transportation engineering: The case of ship loader. Ocean Engineering, 2018, 155, 371-381.	4.3	119
29	A practical application of human reliability assessment for operating procedures of the emergency fire pump at ship. Ships and Offshore Structures, 2018, 13, 208-216.	1.9	32
30	The role of human factor in maritime environment risk assessment: A practical application on Ballast Water Treatment (BWT) system in ship. Human and Ecological Risk Assessment (HERA), 2018, 24, 653-666.	3.4	33
31	A quantitative risk analysis by using interval type-2 fuzzy FMEA approach: the case of oil spill. Maritime Policy and Management, 2018, 45, 979-994.	3.8	64
32	Prediction of human error probabilities in a critical marine engineering operation on-board chemical tanker ship: The case of ship bunkering. Safety Science, 2018, 110, 102-109.	4.9	37
33	Use of tree based methods in ship performance monitoring under operating conditions. Ocean Engineering, 2018, 166, 302-310.	4.3	29
34	A hybrid risk-based approach for maritime applications: The case of ballast tank maintenance. Human and Ecological Risk Assessment (HERA), 2017, 23, 1389-1403.	3.4	55
35	Maritime Environmental Disaster Management Using Intelligent Techniques. Intelligent Systems Reference Library, 2017, , 135-155.	1.2	5
36	A marine accident analysing model to evaluate potential operational causes in cargo ships. Safety Science, 2017, 92, 17-25.	4.9	103

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37	Application of AHP and VIKOR methods under interval type 2 fuzzy environment in maritime transportation. Ocean Engineering, 2017, 129, 107-116.	4.3	97
38	DEVELOPING WEB BASED DECISION SUPPORT SYSTEM FOR EVALUATION OCCUPATIONAL RISKS AT SHIPYARDS. Brodogradnja, 2017, 68, 17-30.	1.9	9
39	USING OF Aâ€™WOT TO DESIGN AN ENHANCED PLANNED MAINTENANCE SYSTEM (E-PMS) ON-BOARD SHIP. Brodogradnja, 2017, 68, 61-75.	1.9	8
40	A fuzzy failure mode and effects approach to analyse concentrated inspection campaigns on board ships. Maritime Policy and Management, 2016, 43, 887-908.	3.8	48
41	Quantitative human error assessment during abandon ship procedures in maritime transportation. Ocean Engineering, 2016, 120, 21-29.	4.3	81
42	A phase of comprehensive research to determine marine-specific EPC values in human error assessment and reduction technique. Safety Science, 2016, 87, 63-75.	4.9	60
43	A modified human reliability analysis for cargo operation in single point mooring (SPM) off-shore units. Applied Ocean Research, 2016, 58, 11-20.	4.1	45
44	A hybrid human error probability determination approach: The case of cargo loading operation in oil/chemical tanker ship. Journal of Loss Prevention in the Process Industries, 2016, 43, 424-431.	3.3	44
45	Application of CREAM human reliability model to cargo loading process of LPG tankers. Journal of Loss Prevention in the Process Industries, 2015, 34, 39-48.	3.3	99
46	A methodological extension to human reliability analysis for cargo tank cleaning operation on board chemical tanker ships. Safety Science, 2015, 75, 146-155.	4.9	82
47	Computer-Based Human Reliability Analysis Onboard Ships. Procedia, Social and Behavioral Sciences, 2015, 195, 1823-1832.	0.5	7
48	Utilisation of Fuzzy Fault Tree Analysis (FFTA) for quantified risk analysis of leakage in abandoned oil and natural-gas wells. Ocean Engineering, 2015, 108, 729-737.	4.3	133
49	A hybrid accident analysis method to assess potential navigational contingencies: The case of ship grounding. Safety Science, 2015, 79, 268-276.	4.9	75
50	A Maritime Research Concept through Establishing Ship Operational Problem Solution (Shipos) Centre via Information Technologies Integrated with or/Ms. Procedia, Social and Behavioral Sciences, 2015, 195, 2796-2803.	0.5	3
51	Quantification of human error probability towards the gas inerting process on-board crude oil tankers. Safety Science, 2015, 80, 77-86.	4.9	65
52	A fuzzy DEMATEL method to evaluate critical operational hazards during gas freeing process in crude oil tankers. Journal of Loss Prevention in the Process Industries, 2015, 38, 243-253.	3.3	150
53	Assessment of the maritime labour convention compliance using balanced scorecard and analytic hierarchy process approach. Maritime Policy and Management, 2015, 42, 145-162.	3.8	18
54	A hybrid decision-making approach to measure effectiveness of safety management system implementations on-board ships. Safety Science, 2014, 68, 169-179.	4.9	49

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55	Utilisation of cognitive map in modelling human error in marine accident analysis and prevention. Safety Science, 2014, 70, 19-28.	4.9	84