Emre Akyuz

List of Publications by Year
in descending order

55	2,350	172457	214800
papers	**citations**	29	47
		h-index	**g-index**

55	55	55	1107
all docs	**docs citations**	**times ranked**	**citing authors**

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	A marine accident analysing model to evaluate potential operational causes in cargo ships. Safety Science, 2017, 92, 17-25.	4.9	103
5	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
6	Application of AHP and VIKOR methods under interval type 2 fuzzy environment in maritime transportation. Ocean Engineering, 2017, 129, 107-116.	4.3	97
7	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
8	Utilisation of cognitive map in modelling human error in marine accident analysis and prevention. Safety Science, 2014, 70, 19-28.	4.9	84
9	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
10	Quantitative human error assessment during abandon ship procedures in maritime transportation. Ocean Engineering, 2016, 120, 21-29.	4.3	81
11	A hybrid accident analysis method to assess potential navigational contingencies: The case of ship grounding. Safety Science, 2015, 79, 268-276.	4.9	75
12	Validation of risk analysis for ship collision in narrow waters by using fuzzy Bayesian networks approach. Ocean Engineering, 2021, 231, 108973.	4.3	69
13	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
14	Quantification of human error probability towards the gas inerting process on-board crude oil tankers. Safety Science, 2015, 80, 77-86.	4.9	65
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Future Skills Requirements Analysis in Maritime Industry. Procedia Computer Science, 2019, 158, 270-274.	2.0	40
24	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
25	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
26	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
27	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
28	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
29	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
30	Use of tree based methods in ship performance monitoring under operating conditions. Ocean Engineering, 2018, 166, 302-310.	4.3	29
31	Statistical modelling of ship operational performance monitoring problem. Journal of Marine Science and Technology, 2019, 24, 543-552.	2.9	28
32	An interval type-2 fuzzy SLIM approach to predict human error in maritime transportation. Ocean Engineering, 2021, 232, 109161.	4.3	26
33	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
34	An extended HEART Dempster–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
35	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
36	Modified quantitative systems theoretic accident model and processes (STAMP) analysis: A catastrophic ship engine failure case. Ocean Engineering, 2022, 253, 111187.	4.3	23

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37	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
38	A fuzzy best–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
39	Prediction of human–machine interface (HMI) operational errors for maritime autonomous surface ships (MASS). Journal of Marine Science and Technology, 2022, 27, 293-306.	2.9	21
40	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
41	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
42	A Comparative Research of Machine Learning Impact to Future of Maritime Transportation. Procedia Computer Science, 2019, 158, 275-280.	2.0	15
43	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
44	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
45	DEVELOPING WEB BASED DECISION SUPPORT SYSTEM FOR EVALUATION OCCUPATIONAL RISKS AT SHIPYARDS. Brodogradnja, 2017, 68, 17-30.	1.9	9
46	USING OF A'WOT TO DESIGN AN ENHANCED PLANNED MAINTENANCE SYSTEM (E-PMS) ON-BOARD SHIP. Brodogradnja, 2017, 68, 61-75.	1.9	8
47	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
48	Computer-Based Human Reliability Analysis Onboard Ships. Procedia, Social and Behavioral Sciences, 2015, 195, 1823-1832.	0.5	7
49	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
50	Maritime Environmental Disaster Management Using Intelligent Techniques. Intelligent Systems Reference Library, 2017, , 135-155.	1.2	5
51	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
52	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
53	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
54	Quantitative risk analysis for operational transfer processes of maritime pilots. Maritime Policy and Management, 2023, 50, 375-389.	3.8	3

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55	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