# Jin Wang

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 172 papers | 8,494 citations | 38660<br>50 h-index | 51492<br>86 g-index |
| 174 all docs | 174 docs citations | 174 times ranked | 3896 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Belief rule-base inference methodology using the evidential reasoning Approach-RIMER. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2006, 36, 266-285. | 3.4 | 554 |
| 2 | Modified failure mode and effects analysis using approximate reasoning. Reliability Engineering and System Safety, 2003, 79, 69-85. | 5.1 | 463 |
| 3 | Automatic Identification System (AIS): Data Reliability and Human Error Implications. Journal of Navigation, 2007, 60, 373-389. | 1.0 | 294 |
| 4 | Fuzzy Rule-Based Bayesian Reasoning Approach for Prioritization of Failures in FMEA. IEEE Transactions on Reliability, 2008, 57, 517-528. | 3.5 | 274 |
| 5 | Inference and learning methodology of belief-rule-based expert system for pipeline leak detection. Expert Systems With Applications, 2007, 32, 103-113. | 4.4 | 231 |
| 6 | Incorporation of formal safety assessment and Bayesian network in navigational risk estimation of the Yangtze River. Reliability Engineering and System Safety, 2013, 118, 93-105. | 5.1 | 227 |
| 7 | Optimization Models for Training Belief-Rule-Based Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 569-585. | 3.4 | 207 |
| 8 | The use of Bayesian network modelling for maintenance planning in a manufacturing industry. Reliability Engineering and System Safety, 2010, 95, 267-277. | 5.1 | 202 |
| 9 | A Human and Organisational Factors (HOFs) analysis method for marine casualties using HFACS-Maritime Accidents (HFACS-MA). Safety Science, 2013, 60, 105-114. | 2.6 | 177 |
| 10 | A methodology to model causal relationships on offshore safety assessment focusing on human and organizational factors. Journal of Safety Research, 2008, 39, 87-100. | 1.7 | 148 |
| 11 | Safety analysis and synthesis using fuzzy sets and evidential reasoning. Reliability Engineering and System Safety, 1995, 47, 103-118. | 5.1 | 142 |
| 12 | A fuzzy-logic-based approach to qualitative safety modelling for marine systems. Reliability Engineering and System Safety, 2001, 73, 19-34. | 5.1 | 142 |
| 13 | A risk-based modelling approach to enhance shipping accident investigation. Safety Science, 2010, 48, 18-27. | 2.6 | 137 |
| 14 | Selection of techniques for reducing shipping NOx and SOx emissions. Transportation Research, Part D: Transport and Environment, 2012, 17, 478-486. | 3.2 | 135 |
| 15 | Formal safety assessment of cruise ships. Tourism Management, 2004, 25, 93-109. | 5.8 | 130 |
| 16 | A knowledge-free path planning approach for smart ships based on reinforcement learning. Ocean Engineering, 2019, 189, 106299. | 1.9 | 130 |
| 17 | A modified CREAM to human reliability quantification in marine engineering. Ocean Engineering, 2013, 58, 293-303. | 1.9 | 121 |
| 18 | Fuzzy Rule-Based Evidential Reasoning Approach for Safety Analysis. International Journal of General Systems, 2004, 33, 183-204. | 1.2 | 118 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | Application of a generic bow-tie based risk analysis framework on risk management of sea ports and offshore terminals. Journal of Hazardous Materials, 2011, 192, 465-475. | 6.5 | 113 |
| 20 | Decision support framework for risk management on sea ports and terminals using fuzzy set theory and evidential reasoning approach. Expert Systems With Applications, 2012, 39, 5087-5103. | 4.4 | 106 |
| 21 | An integrated fuzzy risk assessment for seaport operations. Safety Science, 2014, 68, 180-194. | 2.6 | 104 |
| 22 | A risk assessment approach to improve the resilience of a seaport system using Bayesian networks. Ocean Engineering, 2016, 111, 136-147. | 1.9 | 99 |
| 23 | Multi-person and multi-attribute design evaluations using evidential reasoning based on subjective safety and cost analyses. Reliability Engineering and System Safety, 1996, 52, 113-128. | 5.1 | 93 |
| 24 | Use of fuzzy rule-based evidential reasoning approach in the navigational risk assessment of inland waterway transportation systems. Safety Science, 2016, 82, 352-360. | 2.6 | 92 |
| 25 | Use of fuzzy risk assessment in FMEA of offshore engineering systems. Ocean Engineering, 2015, 95, 195-204. | 1.9 | 91 |
| 26 | Enabling a Powerful Marine and Offshore Decision-Support Solution Through Bayesian Network Technique. Risk Analysis, 2006, 26, 695-721. | 1.5 | 89 |
| 27 | An analysis of factors affecting the severity of marine accidents. Reliability Engineering and System Safety, 2021, 210, 107513. | 5.1 | 89 |
| 28 | Engineering System Safety Analysis and Synthesis Using the Fuzzy Rule-based Evidential Reasoning Approach. Quality and Reliability Engineering International, 2005, 21, 387-411. | 1.4 | 87 |
| 29 | Marine and Offshore Safety Assessment by Incorporative Risk Modeling in a Fuzzyâ€Bayesian Network of an Induced Mass Assignment Paradigm. Risk Analysis, 2008, 28, 95-112. | 1.5 | 87 |
| 30 | Modified human factor analysis and classification system for passenger vessel accidents (HFACS-PV). Ocean Engineering, 2018, 161, 47-61. | 1.9 | 87 |
| 31 | Offshore safety case approach and formal safety assessment of ships. Journal of Safety Research, 2002, 33, 81-115. | 1.7 | 84 |
| 32 | Maritime safety analysis in retrospect. Maritime Policy and Management, 2013, 40, 261-277. | 1.9 | 84 |
| 33 | A novel method for restoring the trajectory of the inland waterway ship by using AIS data. Ocean Engineering, 2015, 110, 183-194. | 1.9 | 84 |
| 34 | An analysis of fishing vessel accidents. Accident Analysis and Prevention, 2005, 37, 1019-1024. | 3.0 | 83 |
| 35 | Fuzzy risk assessment of oil and gas offshore wells. Chemical Engineering Research and Design, 2011, 89, 277-294. | 2.7 | 83 |
| 36 | The current status and future aspects in formal ship safety assessment. Safety Science, 2001, 38, 19-30. | 2.6 | 77 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Bayesian network with quantitative input for maritime risk analysis. Transportmetrica A: Transport Science, 2014, 10, 89-118. | 1.3 | 75 |
| 38 | A novel flexible model for piracy and robbery assessment of merchant ship operations. Reliability Engineering and System Safety, 2016, 155, 196-211. | 5.1 | 75 |
| 39 | Advanced uncertainty modelling for container port risk analysis. Accident Analysis and Prevention, 2019, 123, 411-421. | 3.0 | 74 |
| 40 | An advanced risk analysis approach for container port safety evaluation. Maritime Policy and Management, 2014, 41, 634-650. | 1.9 | 72 |
| 41 | Self-tuning of fuzzy belief rule bases for engineering system safety analysis. Annals of Operations Research, 2008, 163, 143-168. | 2.6 | 68 |
| 42 | A new hybrid approach to human error probability quantification—applications in maritime operations. Ocean Engineering, 2017, 138, 45-54. | 1.9 | 68 |
| 43 | Development and application of an aero-hydro-servo-elastic coupling framework for analysis of floating offshore wind turbines. Renewable Energy, 2020, 161, 606-625. | 4.3 | 68 |
| 44 | A subjective methodology for safety analysis of safety requirements specifications. IEEE Transactions on Fuzzy Systems, 1997, 5, 418-430. | 6.5 | 67 |
| 45 | Approximate TOPSIS for vessel selection under uncertain environment. Expert Systems With Applications, 2011, 38, 14523-14534. | 4.4 | 62 |
| 46 | Use of hybrid multiple uncertain attribute decision making techniques in safety management. Expert Systems With Applications, 2009, 36, 1569-1586. | 4.4 | 61 |
| 47 | Methodology of using delay-time analysis for a manufacturing industry. Reliability Engineering and System Safety, 2009, 94, 111-124. | 5.1 | 58 |
| 48 | A hybrid model for human-factor analysis of engine-room fires on ships: HFACS-PV&amp;FFTA. Ocean Engineering, 2020, 217, 107992. | 1.9 | 57 |
| 49 | Formal safety assessment of containerships. Marine Policy, 2001, 25, 143-157. | 1.5 | 56 |
| 50 | Effects of seafarers' emotion on human performance using bridge simulation. Ocean Engineering, 2018, 170, 111-119. | 1.9 | 56 |
| 51 | A new risk quantification approach in port facility security assessment. Transportation Research, Part A: Policy and Practice, 2014, 59, 72-90. | 2.0 | 54 |
| 52 | A subjective modelling tool applied to formal ship safety assessment. Ocean Engineering, 2000, 27, 1019-1035. | 1.9 | 53 |
| 53 | A study of reliability-centred maintenance in maritime operations. Marine Policy, 2002, 26, 325-335. | 1.5 | 52 |
| 54 | Modelling dwelling fire development and occupancy escape using Bayesian network. Reliability Engineering and System Safety, 2013, 114, 75-91. | 5.1 | 51 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 55 | Application of the HFACS-PV approach for identification of human and organizational factors (HOFs) influencing marine accidents. Reliability Engineering and System Safety, 2021, 208, 107395. | 5.1 | 49 |
| 56 | Short-term fatigue analysis for tower base of a spar-type wind turbine under stochastic wind-wave loads. International Journal of Naval Architecture and Ocean Engineering, 2018, 10, 9-20. | 1.0 | 46 |
| 57 | Analysis of fishing vessel accidents with Bayesian network and Chi-square methods. Ocean Engineering, 2020, 198, 106956. | 1.9 | 46 |
| 58 | Application of MADM in a fuzzy environment for selecting the best barrier for offshore wells. Expert Systems With Applications, 2012, 39, 2466-2478. | 4.4 | 45 |
| 59 | Analyzing Collision, Grounding, and Sinking Accidents Occurring in the Black Sea Utilizing HFACS and Bayesian Networks. Risk Analysis, 2020, 40, 2610-2638. | 1.5 | 45 |
| 60 | Application of a multiple attribute group decision making (MAGDM) model for selecting appropriate maintenance strategy for marine and offshore machinery operations. Ocean Engineering, 2019, 179, 246-260. | 1.9 | 43 |
| 61 | Design for safety of engineering systems with multiple failure state variables. Reliability Engineering and System Safety, 1995, 50, 271-284. | 5.1 | 41 |
| 62 | Analysis of seismic behaviour of an offshore wind turbine with a flexible foundation. Ocean Engineering, 2019, 178, 215-228. | 1.9 | 41 |
| 63 | Mitigation of coupled wind-wave-earthquake responses of a 10ÂMW fixed-bottom offshore wind turbine. Renewable Energy, 2020, 157, 1171-1184. | 4.3 | 39 |
| 64 | Ship selection using a multiple-criteria synthesis approach. Journal of Marine Science and Technology, 2008, 13, 50-62. | 1.3 | 38 |
| 65 | Maritime Risk Assessment and its Current Status. Quality and Reliability Engineering International, 2006, 22, 3-19. | 1.4 | 36 |
| 66 | A proposed System of Hierarchical Scorecards to assess the implementation of maritime regulations. Safety Science, 2011, 49, 450-462. | 2.6 | 35 |
| 67 | Use of evidential reasoning for eliciting bayesian subjective probabilities in human reliability analysis: A maritime case. Ocean Engineering, 2019, 186, 106095. | 1.9 | 35 |
| 68 | Investigation on mooring breakage effects of a 5â€¯MW barge-type floating offshore wind turbine using F2A. Ocean Engineering, 2021, 233, 108887. | 1.9 | 35 |
| 69 | A subjective approach for ballast water risk estimation. Ocean Engineering, 2013, 61, 66-76. | 1.9 | 34 |
| 70 | Modified FMEA hazard identification for cross-country petroleum pipeline using Fuzzy Rule Base and approximate reasoning. Journal of Loss Prevention in the Process Industries, 2022, 74, 104616. | 1.7 | 34 |
| 71 | A system dynamics approach for enhancing social behaviours regarding the reuse of packaging. Expert Systems With Applications, 2016, 46, 417-425. | 4.4 | 33 |
| 72 | The effect of nonconformities encountered in the use of technology on the occurrence of collision, contact and grounding accidents. Reliability Engineering and System Safety, 2021, 215, 107886. | 5.1 | 33 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 73 | Test case based risk predictions using artificial neural network. Journal of Safety Research, 2006, 37, 245-260. | 1.7 | 32 |
| 74 | Adoption of new advanced computational techniques to hazards ranking in LNG carrier operations. Ocean Engineering, 2013, 72, 31-44. | 1.9 | 32 |
| 75 | Modelling ship collision risk based on the statistical analysis of historical data: A case study in Hong Kong waters. Ocean Engineering, 2020, 197, 106869. | 1.9 | 32 |
| 76 | The evolution of the HFACS method used in analysis of marine accidents: A review. International Journal of Industrial Ergonomics, 2021, 86, 103225. | 1.5 | 32 |
| 77 | CPA Calculation Method based on AIS Position Prediction. Journal of Navigation, 2016, 69, 1409-1426. | 1.0 | 31 |
| 78 | Passengers' likely behaviour based on demographic difference during an emergency evacuation in a Ro-Ro passenger ship. Safety Science, 2020, 129, 104803. | 2.6 | 31 |
| 79 | Safety based design and maintenance optimisation of large marine engineering systems. Applied Ocean Research, 1996, 18, 13-27. | 1.8 | 29 |
| 80 | Facilitating uncertainty treatment in the risk assessment of container supply chains. Journal of Marine Engineering and Technology, 2010, 9, 23-36. | 1.9 | 29 |
| 81 | A study of maritime security and piracy. Maritime Policy and Management, 2013, 40, 675-693. | 1.9 | 29 |
| 82 | GIS-based analysis on the spatial patterns of global maritime accidents. Ocean Engineering, 2022, 245, 110569. | 1.9 | 27 |
| 83 | A novel marine radar targets extraction approach based on sequential images and Bayesian Network. Ocean Engineering, 2016, 120, 64-77. | 1.9 | 26 |
| 84 | Predicting a Containership's Arrival Punctuality in Liner Operations by Using a Fuzzy Rule-Based Bayesian Network (FRBBN). Asian Journal of Shipping and Logistics, 2017, 33, 95-104. | 1.8 | 26 |
| 85 | Investigation on the sensitivity of flexible foundation models of an offshore wind turbine under earthquake loadings. Engineering Structures, 2019, 183, 756-769. | 2.6 | 25 |
| 86 | A novel path planning approach for smart cargo ships based on anisotropic fast marching. Expert Systems With Applications, 2020, 159, 113558. | 4.4 | 25 |
| 87 | Passengers' safety awareness and perception of wayfinding tools in a Ro-Ro passenger ship during an emergency evacuation. Safety Science, 2021, 137, 105189. | 2.6 | 25 |
| 88 | Coupled analysis of a 10 MW multi-body floating offshore wind turbine subjected to tendon failures. Renewable Energy, 2021, 176, 89-105. | 4.3 | 25 |
| 89 | Numerical analysis and staircase layout optimisation for a Ro-Ro passenger ship during emergency evacuation. Reliability Engineering and System Safety, 2022, 217, 108056. | 5.1 | 25 |
| 90 | Simulation of evacuation in an inclined passenger vessel based on an improved social force model. Safety Science, 2022, 148, 105675. | 2.6 | 25 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 91 | A hybrid model for marine accident analysis based on Bayesian Network (BN) and Association Rule Mining (ARM). Ocean Engineering, 2022, 247, 110705. | 1.9 | 23 |
| 92 | Application of delay-time analysis via Monte Carlo simulation. Journal of Marine Engineering and Technology, 2011, 10, 57-72. | 1.9 | 22 |
| 93 | Novel risk assessment techniques for maritime safety management system. International Journal of Quality and Reliability Management, 2001, 18, 982-1000. | 1.3 | 21 |
| 94 | An accident data—based approach for congestion risk assessment of inland waterways: A Yangtze River case. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2014, 228, 176-188. | 0.6 | 21 |
| 95 | The Attractiveness of Ports in <scp>W</scp>est <scp>A</scp>frica: Some Lessons from Shipping Lines' Port Selection. Growth and Change, 2016, 47, 416-426. | 1.3 | 21 |
| 96 | Real-time seat allocation for minimizing boarding/alighting time and improving quality of service and safety for passengers. Transportation Research Part C: Emerging Technologies, 2019, 103, 158-173. | 3.9 | 21 |
| 97 | Multi-ship following operation in ice-covered waters with consideration of inter-ship communication. Ocean Engineering, 2020, 210, 107545. | 1.9 | 21 |
| 98 | A subjective risk analysis approach of container supply chains. International Journal of Automation and Computing, 2005, 2, 85-92. | 4.5 | 19 |
| 99 | Experimental study on individual walking speed during emergency evacuation with the influence of ship motion. Physica A: Statistical Mechanics and Its Applications, 2021, 562, 125369. | 1.2 | 19 |
| 100 | An assessment of causes and failure likelihood of cross-country pipelines under uncertainty using bayesian networks. Reliability Engineering and System Safety, 2022, 218, 108171. | 5.1 | 19 |
| 101 | Taguchi concepts and their applications in marine and offshore safety studies. Journal of Engineering Design, 2001, 12, 331-358. | 1.1 | 18 |
| 102 | Prioritising security vulnerabilities in ports. International Journal of Shipping and Transport Logistics, 2013, 5, 622. | 0.2 | 18 |
| 103 | Blowout fire probability prediction of offshore drilling platform based on system dynamics. Journal of Loss Prevention in the Process Industries, 2019, 62, 103960. | 1.7 | 16 |
| 104 | A Novel Ship Collision Avoidance Awareness Approach for Cooperating Ships Using Multi-Agent Deep Reinforcement Learning. Journal of Marine Science and Engineering, 2021, 9, 1056. | 1.2 | 16 |
| 105 | A New Multi-swarm Particle Swarm Optimization for Robust Optimization Over Time. Lecture Notes in Computer Science, 2017, , 99-109. | 1.0 | 15 |
| 106 | An analysis and comparison of multinational officers of the watch in the global maritime labor market. Maritime Policy and Management, 2019, 46, 757-780. | 1.9 | 15 |
| 107 | Formal Safety Assessment of a Marine Seismic Survey Vessel Operation, Incorporating Risk Matrix and Fault Tree Analysis. Journal of Marine Science and Application, 2020, 19, 155-172. | 0.7 | 15 |
| 108 | The application of the Six Sigma concept to port security process quality control. Quality and Reliability Engineering International, 2007, 23, 631-639. | 1.4 | 14 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 109 | A seafarer's reliability assessment incorporating subjective judgements. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2012, 226, 313-334. | 0.3 | 14 |
| 110 | Leading factors in job satisfaction of Chinese seafarers. International Journal of Shipping and Transport Logistics, 2014, 6, 680. | 0.2 | 14 |
| 111 | Offshore Safety Assessment and Safety-Based Decision-Making—The Current Status and Future Aspects. Journal of Offshore Mechanics and Arctic Engineering, 2000, 122, 93-99. | 0.6 | 13 |
| 112 | An experimental analysis of evacuees' walking speeds under different rolling conditions of a ship. Ocean Engineering, 2021, 233, 108997. | 1.9 | 13 |
| 113 | A risk appraisal system regarding the implementation of maritime regulations by a ship operator. Maritime Policy and Management, 2015, 42, 389-413. | 1.9 | 12 |
| 114 | A Design-for-safety Methodology for Large Engineering Systems. Journal of Engineering Design, 1998, 9, 159-170. | 1.1 | 11 |
| 115 | Application of a collaborative modelling and strategic fuzzy decision support system for selecting appropriate resilience strategies for seaport operations. Journal of Traffic and Transportation Engineering (English Edition), 2014, 1, 159-179. | 2.0 | 11 |
| 116 | Modelling of possible tanker accident oil spills in the Istanbul Strait in order to demonstrate the dispersion and toxic effects of oil pollution. Environmental Monitoring and Assessment, 2021, 193, 538. | 1.3 | 11 |
| 117 | Structural health monitoring of tendons in a multibody floating offshore wind turbine under varying environmental and operating conditions. Renewable Energy, 2021, 179, 1897-1914. | 4.3 | 11 |
| 118 | A design-decision support framework for evaluation of design options/proposals using a fuzzy-logic-based composite structure methodology. Journal of Engineering Design, 2004, 15, 493-514. | 1.1 | 10 |
| 119 | Maritime Risk Modelling and Decision Making. Quality and Reliability Engineering International, 2006, 22, 1-2. | 1.4 | 10 |
| 120 | A novel approach of collision assessment for coastal radar surveillance. Reliability Engineering and System Safety, 2016, 155, 179-195. | 5.1 | 10 |
| 121 | Analysis of occupational burnout utilising Maslach inventory: a case study of Turkish male seafarers. Maritime Policy and Management, 2021, 48, 1124-1137. | 1.9 | 10 |
| 122 | Condition monitoring of marine and offshore machinery using evidential reasoning techniques. Journal of Marine Engineering and Technology, 2021, 20, 93-124. | 1.9 | 10 |
| 123 | A Decision Support System for the Assessment of Seaports' Security Under Fuzzy Environment. Intelligent Systems Reference Library, 2018, , 145-177. | 1.0 | 10 |
| 124 | A new hybrid approach for determining sector-specific risk factors in Turkish Straits: Fuzzy AHP-PRAT technique. Ocean Engineering, 2022, 253, 111280. | 1.9 | 10 |
| 125 | Application of Multiple Attribute Decision-Making (MADM) and Analytical Hierarchy Process (AHP) Methods in the Selection Decisions for a Container Yard Operating System. Marine Technology Society Journal, 2009, 43, 34-50. | 0.3 | 9 |
| 126 | Analysis of the injury-severity outcomes of maritime accidents using a zero-inflated ordered probit model. Ocean Engineering, 2022, 258, 111796. | 1.9 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Formal safety assessment and application of the navigation simulators for preventing human error in ship operations. Journal of Marine Science and Application, 2005, 4, 5-12. | 0.7 | 8 |
| 128 | A break-even model for evaluating the cost of container ships waiting times and berth unproductive times in automated quayside operations. WMU Journal of Maritime Affairs, 2006, 5, 153-179. | 1.4 | 8 |
| 129 | A review on human factors in maritime transportation using seafarers' physiological data. , 2017, , . | | 8 |
| 130 | A Three‐Part Bayesian Network for Modeling Dwelling Fires and Their Impact upon People and Property. Risk Analysis, 2018, 38, 2087-2104. | 1.5 | 8 |
| 131 | Dynamic analysis of 10ÂMW offshore wind turbines with different support structures subjected to earthquake loadings. Renewable Energy, 2022, 193, 758-777. | 4.3 | 8 |
| 132 | Preliminary development of a novel catamaran floating offshore wind turbine platform and assessment of dynamic behaviours for intermediate water depth application. Ocean Engineering, 2022, 258, 111769. | 1.9 | 8 |
| 133 | The impact of transport infrastructure projects on sustainable development within a major logistics gateway in North West England. Logistics & Sustainable Transport, 2016, 7, 28-40. | 1.5 | 7 |
| 134 | A Multi-objective Time-Linkage Approach for Dynamic Optimization Problems with Previous-Solution Displacement Restriction. Lecture Notes in Computer Science, 2018, , 864-878. | 1.0 | 7 |
| 135 | Bayesian modelling for human error probability analysis in CREAM. , 2011, , . | | 6 |
| 136 | Identification of China's strategic transport passages in the context of the Belt and Road initiative. Maritime Policy and Management, 2023, 50, 582-607. | 1.9 | 6 |
| 137 | A study of human reaction during the initial stages of a dwelling fire using a Bayesian network model. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2013, 227, 207-221. | 0.6 | 5 |
| 138 | A Fuzzy Rule-Based Bayesian Reasoning Method for Analysing the Necessity of Super Slow Steaming under Uncertainty: Containership. International Journal of E-Navigation and Maritime Economy, 2015, 3, 1-12. | 1.2 | 5 |
| 139 | Target recognition for coastal surveillance based on radar images and generalised Bayesian inference. IET Intelligent Transport Systems, 2018, 12, 103-112. | 1.7 | 5 |
| 140 | Diagnosis of damaged tendons on a 10ÂMW multibody floating offshore wind turbine platform via a response-only functional model based method. Engineering Structures, 2021, 242, 112384. | 2.6 | 5 |
| 141 | Linguistic Assessment Approach for Hierarchical Safety Analysis and Synthesis. Studies in Computational Intelligence, 2008, , 211-230. | 0.7 | 5 |
| 142 | A proposed decision-making model for evaluating a container's security score. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2014, 228, 81-104. | 0.3 | 4 |
| 143 | An integrated risk assessment for maintenance prediction of oil wetted gearbox and bearing in marine and offshore industries using a fuzzy rule base method. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 313-331. | 0.3 | 4 |
| 144 | A proactive approach to quantitative assessment of disruption risks of petroleum refinery operation. Safety Science, 2020, 127, 104666. | 2.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 145 | Lifespan cost analysis of alternatives to global sulphur emission limit with uncertainties. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2021, 235, 921-930. | 0.3 | 4 |
| 146 | Reliable container line supply chains. WMU Journal of Maritime Affairs, 2005, 4, 105-120. | 1.4 | 3 |
| 147 | A preliminary research on risk management for marine industry applications. , 2012, , . | | 3 |
| 148 | A systematic simulation methodology for LNG ship operations in port waters: a case study in Meizhou Bay. Journal of Marine Engineering and Technology, 2017, , 1-21. | 1.9 | 3 |
| 149 | Utilizing the evidential reasoning approach to determine a suitable wireless sensor network orientation for asset integrity monitoring of an offshore gas turbine driven generator. Expert Systems With Applications, 2021, 185, 115583. | 4.4 | 3 |
| 150 | A statistical analysis-based Bayesian Network model for assessment of mobbing acts on ships. Maritime Policy and Management, 2023, 50, 750-775. | 1.9 | 3 |
| 151 | Evolutionary Game Model of Strategic Maritime Transport Passages: A Case of the Strait of Hormuz. Journal of Marine Science and Engineering, 2022, 10, 346. | 1.2 | 3 |
| 152 | Developing a conceptual framework to evaluate effectiveness of emergency response system for oil spill. Journal of Traffic and Transportation Engineering (English Edition), 2014, 1, 120-128. | 2.0 | 2 |
| 153 | Use of evidential reasoning for eliciting Bayesian subjective probabilities in human reliability analysis. , 2016, , . | | 2 |
| 154 | Correlation between hardness and water absorption properties of Saudi kaolin and white clay geopolymer coating. AIP Conference Proceedings, 2017, , . | 0.3 | 2 |
| 155 | Bayesian network modelling of an offshore electrical generation system for applications within an asset integrity case for normally unattended offshore installations. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2018, 232, 402-420. | 0.3 | 2 |
| 156 | Simulation modelling of chief officers' working hours on short sea shipping. Ships and Offshore Structures, 0, , 1-9. | 0.9 | 2 |
| 157 | Formal Fire Safety Assessment of Passenger Ships. Safety and Reliability, 2005, 26, 52-55. | 1.0 | 1 |
| 158 | An Experimental Evaluation of the Economic Feasibility of Automated Quayside Cranes. Marine Technology Society Journal, 2006, 40, 51-61. | 0.3 | 1 |
| 159 | A fuzzy bayesian reasoning method to realise interactive failure analysis. , 2009, , . | | 1 |
| 160 | Risk-based verification of large offshore systems. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2012, 226, 273-298. | 0.3 | 1 |
| 161 | A model assessing cost of operating marine systems using data obtained from Monte Carlo analysis. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2014, 228, 398-412. | 0.3 | 1 |
| 162 | Major issues associated with maritime security and piracy study. , 2015, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Current status and framework of China's inland passenger ship safety system. , 2016, , . | | 1 |
| 164 | Hazard identification in chemical supply chains: The development of a novel taxonomy. , 2016, , . | | 1 |
| 165 | Analytical strategic safety management in container ports. , 2017, , . | | 1 |
| 166 | Site Selection Appraisal for Tidal Turbine Development in the River Mersey. Journal of Marine Science and Application, 2018, 17, 112-121. | 0.7 | 1 |
| 167 | Deviation warnings of ferries based on artificial potential field and historical data. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 712-727. | 0.3 | 1 |
| 168 | Risk Assessment of Container Supply Chains Using Methods of Uncertainty Treatment. Safety and Reliability, 2005, 26, 29-38. | 1.0 | 0 |
| 169 | Bayesian Network Modelling to Enable Actualisation of Decision-Making Under Uncertainty in Ship Escape, Evacuation and Rescue Operations. Safety and Reliability, 2005, 26, 39-51. | 1.0 | 0 |
| 170 | Special Edition onRisk Assessment and Safety Management Tools. Safety and Reliability, 2005, 26, 3-4. | 1.0 | 0 |
| 171 | Fault Tolerant Control of Nonlinear Processes with Adaptive Diagonal Recurrent Neural Network Model. Lecture Notes in Computer Science, 2005, , 86-91. | 1.0 | 0 |
| 172 | Evaluating the effectiveness of ERS for vessel oil spills using fuzzy evidential reasoning. Ocean Systems Engineering, 2015, 5, 161-179. | 0.5 | 0 |