

Di Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1816475/publications.pdf>

Version: 2024-02-01

62
papers

2,358
citations

218677

26
h-index

223800

46
g-index

63
all docs

63
docs citations

63
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating recovery strategies for the disruptions in liner shipping networks: a resilience approach. <i>International Journal of Logistics Management</i> , 2022, 33, 389-409.	6.6	14
2	A predictive analytics method for maritime traffic flow complexity estimation in inland waterways. <i>Reliability Engineering and System Safety</i> , 2022, 220, 108317.	8.9	70
3	Use of Hybrid Causal Logic Method for Preliminary Hazard Analysis of Maritime Autonomous Surface Ships. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 725.	2.6	8
4	Ship Navigation System. , 2022, , 1622-1628.		0
5	A risk comparison framework for autonomous ships navigation. <i>Reliability Engineering and System Safety</i> , 2022, 226, 108709.	8.9	21
6	A novel real-time collision risk awareness method based on velocity obstacle considering uncertainties in ship dynamics. <i>Ocean Engineering</i> , 2021, 220, 108436.	4.3	59
7	Towards a Framework of Operational-Risk Assessment for a Maritime Autonomous Surface Ship. <i>Energies</i> , 2021, 14, 3879.	3.1	17
8	A two-stage black-spot identification model for inland waterway transportation. <i>Reliability Engineering and System Safety</i> , 2021, 213, 107677.	8.9	28
9	Identifying important ports in maritime container shipping networks along the Maritime Silk Road. <i>Ocean and Coastal Management</i> , 2021, 211, 105738.	4.4	57
10	Collision risk analysis on ferry ships in Jiangsu Section of the Yangtze River based on AIS data. <i>Reliability Engineering and System Safety</i> , 2021, 215, 107901.	8.9	29
11	Navigational risk factor analysis of Arctic shipping in ice-covered waters. , 2020, , 153-177.		3
12	Research trends in Belt and Road Initiative studies on logistics, supply chains, and transportation sector. <i>International Journal of Logistics Research and Applications</i> , 2020, 23, 525-543.	8.8	18
13	Fast and Robust Underwater Obstacle Detection in Acoustic Vision. , 2020, , .		1
14	Special issue on "Impacts of China's Belt and Road Initiative on maritime transport and global logistics". <i>International Journal of Logistics Research and Applications</i> , 2020, 23, 521-524.	8.8	4
15	An integrated risk assessment model for safe Arctic navigation. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 142, 101-114.	4.2	32
16	A probabilistic model of human error assessment for autonomous cargo ships focusing on human-autonomy collaboration. <i>Safety Science</i> , 2020, 130, 104838.	4.9	99
17	A framework to identify factors influencing navigational risk for Maritime Autonomous Surface Ships. <i>Ocean Engineering</i> , 2020, 202, 107188.	4.3	126
18	Effectiveness of 2D optimization algorithms considering voluntary speed reduction under uncertain metocean conditions. <i>Ocean Engineering</i> , 2020, 200, 107063.	4.3	14

#	ARTICLE	IF	CITATIONS
19	Ship Navigation System. , 2020, , 1-7.		0
20	Use of HFACS and fault tree model for collision risk factors analysis of icebreaker assistance in ice-covered waters. Safety Science, 2019, 111, 128-143.	4.9	178
21	Voyage optimization for mitigating ship structural failure due to crack propagation. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 5-17.	0.7	1
22	Data-driven ship energy efficiency analysis and optimization model for route planning in ice-covered Arctic waters. Ocean Engineering, 2019, 186, 106071.	4.3	60
23	Novel Approach for Comprehensive Centrality Assessment of Ports along the Maritime Silk Road. Transportation Research Record, 2019, 2673, 461-470.	1.9	14
24	An advanced fuzzy Bayesian-based FMEA approach for assessing maritime supply chain risks. Transportation Research, Part E: Logistics and Transportation Review, 2019, 125, 222-240.	7.4	160
25	Analysis of risk factors influencing the safety of maritime container supply chains. International Journal of Shipping and Transport Logistics, 2019, 11, 476.	0.5	31
26	Resilience assessment of maritime container shipping networks “ A case of the Maritime Silk Road. , 2019, , .		6
27	A resilience perspective on water transport systems: The case of Eastern Star. International Journal of Disaster Risk Reduction, 2019, 33, 343-354.	3.9	66
28	A novel policy making aid model for the development of LNG fuelled ships. Transportation Research, Part A: Policy and Practice, 2019, 119, 29-44.	4.2	24
29	Evaluating the Probability of Power Loss in Ship Electric Propulsion Systems Based on Bayesian Belief Networks. Marine Technology Society Journal, 2019, 53, 63-79.	0.4	4
30	Risk influencing factors analysis of Arctic maritime transportation systems: a Chinese perspective. Maritime Policy and Management, 2018, 45, 439-455.	3.8	37
31	Risk and cost evaluation of port adaptation measures to climate change impacts. Transportation Research, Part D: Transport and Environment, 2018, 61, 444-458.	6.8	76
32	A quantitative approach for risk assessment of a ship stuck in ice in Arctic waters. Safety Science, 2018, 107, 145-154.	4.9	49
33	Resilience in transportation systems: a systematic review and future directions. Transport Reviews, 2018, 38, 479-498.	8.8	218
34	A novel model for the quantitative evaluation of green port development “ A case study of major ports in China. Transportation Research, Part D: Transport and Environment, 2018, 61, 431-443.	6.8	96
35	Incorporating AHP and Evidential Reasoning for Quantitative Evaluation of Inland Port Performance. Profiles in Operations Research, 2018, , 151-173.	0.4	2
36	Clustering of the inland waterway navigational environment and its effects on ship energy consumption. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2017, 231, 57-69.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Three-Stage Decision-Making Model under Restricted Conditions for Emergency Response to Ships Not under Control. Risk Analysis, 2017, 37, 2455-2474.	2.7	28
38	Incorporating CREAM and MCS into fault tree analysis of LNG carrier spill accidents. Safety Science, 2017, 96, 183-191.	4.9	61
39	Safety distance modeling for ship escort operations in Arctic ice-covered waters. Ocean Engineering, 2017, 146, 202-216.	4.3	61
40	Use of Bayesian networks for emergency assistance assessment of ship capsizing. , 2017, , .		0
41	Safety management of waterway congestions under dynamic risk conditions—A case study of the Yangtze River. Applied Soft Computing Journal, 2017, 59, 115-128.	7.2	25
42	Use of 4E framework in performance evaluation of VTS operation. , 2017, , .		0
43	Current status and framework of China's inland passenger ship safety system. , 2016, , .		1
44	A Fuzzy Event Tree Model for Accident Scenario Analysis of Ship Stuck in Ice in Arctic Waters. , 2016, , .		4
45	Safety assessment for inland waterway transportation with an extended fuzzy TOPSIS. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2016, 230, 323-333.	0.7	7
46	Framework for the quantitative assessment of the risk of leakage from LNG-fueled vessels by an event tree-CFD. Journal of Loss Prevention in the Process Industries, 2016, 43, 42-52.	3.3	56
47	Towards a probabilistic model for predicting ship besetting in ice in Arctic waters. Reliability Engineering and System Safety, 2016, 155, 124-136.	8.9	96
48	Use of fuzzy rule-based evidential reasoning approach in the navigational risk assessment of inland waterway transportation systems. Safety Science, 2016, 82, 352-360.	4.9	92
49	Safety assessment of LNG carriers based on fault tree analysis. , 2015, , .		2
50	Classification of Automatic Radar Plotting Aid targets based on improved Fuzzy C-Means. Transportation Research Part C: Emerging Technologies, 2015, 51, 180-195.	7.6	31
51	Emerging LNG-fueled ships in the Chinese shipping industry: a hybrid analysis on its prospects. WMU Journal of Maritime Affairs, 2015, 14, 43-59.	2.7	24
52	Major issues associated with maritime security and piracy study. , 2015, , .		1
53	A distributed anti-collision decision support formulation in multi-ship encounter situations under COLREGs. Ocean Engineering, 2015, 105, 336-348.	4.3	149
54	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.	0.7	21

#	ARTICLE	IF	CITATIONS
55	Challenges and Developments in Navigational Risk Assessment With Large Uncertainty. , 2014, , .		4
56	Safety management performance assessment for Maritime Safety Administration (MSA) by using generalized belief rule base methodology. Safety Science, 2014, 63, 157-167.	4.9	43
57	Use of FMECA Method for Leakage Analysis of LNG Fueled Vessels. , 2014, , .		0
58	Ship Trajectory Control Optimization in Anti-collision Maneuvering. TransNav, 2013, 7, 89-93.	0.6	6
59	A novel approach for assistance with anti-collision decision making based on the International Regulations for Preventing Collisions at Sea. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2012, 226, 250-259.	0.5	14
60	Use of Encounter Model for Collision Risk Assessment of Yangtze River. , 2011, , .		0
61	Application of Formal Safety Assessment to Navigational Risk Evaluation of Yangtze River. , 2011, , .		7
62	Safety Study of Primary Loop System of Civil Marine Nuclear Power Plant. Applied Mechanics and Materials, 0, 541-542, 916-921.	0.2	1