

Xinping Yan

List of Publications by Year in descending order

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191
papers

5,918
citations

50244

46
h-index

91828

69
g-index

193
all docs

193
docs citations

193
times ranked

3492
citing authors

#	ARTICLE	IF	CITATIONS
1	Resilience in transportation systems: a systematic review and future directions. <i>Transport Reviews</i> , 2018, 38, 479-498.	4.7	218
2	Use of HFACS and fault tree model for collision risk factors analysis of icebreaker assistance in ice-covered waters. <i>Safety Science</i> , 2019, 111, 128-143.	2.6	178
3	An advanced fuzzy Bayesian-based FMEA approach for assessing maritime supply chain risks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 125, 222-240.	3.7	160
4	Multi-objective path planning for unmanned surface vehicle with currents effects. <i>ISA Transactions</i> , 2018, 75, 137-156.	3.1	154
5	A distributed anti-collision decision support formulation in multi-ship encounter situations under COLREGs. <i>Ocean Engineering</i> , 2015, 105, 336-348.	1.9	149
6	Incorporation of human factors into maritime accident analysis using a data-driven Bayesian network. <i>Reliability Engineering and System Safety</i> , 2020, 203, 107070.	5.1	149
7	An Evidential Reasoning-Based CREAM to Human Reliability Analysis in Maritime Accident Process. <i>Risk Analysis</i> , 2017, 37, 1936-1957.	1.5	138
8	Blind vibration component separation and nonlinear feature extraction applied to the nonstationary vibration signals for the gearbox multi-fault diagnosis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 259-271.	2.5	131
9	Virtual prototype and experimental research on gear multi-fault diagnosis using wavelet-autoregressive model and principal component analysis method. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 2589-2607.	4.4	125
10	A Belief Rule-Based Expert System for Fault Diagnosis of Marine Diesel Engines. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 656-672.	5.9	112
11	Maritime Transportation Risk Assessment of Tianjin Port with Bayesian Belief Networks. <i>Risk Analysis</i> , 2016, 36, 1171-1187.	1.5	108
12	FAULT DETECTION IN A DIESEL ENGINE BY ANALYSING THE INSTANTANEOUS ANGULAR SPEED. <i>Mechanical Systems and Signal Processing</i> , 2001, 15, 549-564.	4.4	101
13	Incorporating evidential reasoning and TOPSIS into group decision-making under uncertainty for handling ship without command. <i>Ocean Engineering</i> , 2018, 164, 590-603.	1.9	100
14	Towards a probabilistic model for predicting ship besetting in ice in Arctic waters. <i>Reliability Engineering and System Safety</i> , 2016, 155, 124-136.	5.1	96
15	A novel model for the quantitative evaluation of green port development "A case study of major ports in China. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 61, 431-443.	3.2	96
16	A review of progress and applications of ship shaft-less rim-driven thrusters. <i>Ocean Engineering</i> , 2017, 144, 142-156.	1.9	93
17	Fuzzy logic based approach for ship-bridge collision alert system. <i>Ocean Engineering</i> , 2019, 187, 106152.	1.9	93
18	Use of fuzzy rule-based evidential reasoning approach in the navigational risk assessment of inland waterway transportation systems. <i>Safety Science</i> , 2016, 82, 352-360.	2.6	92

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19	Intelligent fault diagnosis method for marine diesel engines using instantaneous angular speed. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 2413-2423.	0.7	82
20	Tribological properties of aged nitrile butadiene rubber under dry sliding conditions. <i>Wear</i> , 2015, 322-323, 226-237.	1.5	80
21	A study on a numerical simulation of the leakage and diffusion of hydrogen in a fuel cell ship. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 177-185.	8.2	80
22	Fault detection and diagnosis of a gearbox in marine propulsion systems using bispectrum analysis and artificial neural networks. <i>Journal of Marine Science and Application</i> , 2011, 10, 17-24.	0.7	76
23	A novel flexible model for piracy and robbery assessment of merchant ship operations. <i>Reliability Engineering and System Safety</i> , 2016, 155, 196-211.	5.1	75
24	A design and experimental investigation of a large-scale solar energy/diesel generator powered hybrid ship. <i>Energy</i> , 2018, 165, 965-978.	4.5	75
25	Machine learning-based wear fault diagnosis for marine diesel engine by fusing multiple data-driven models. <i>Knowledge-Based Systems</i> , 2020, 190, 105324.	4.0	74
26	A spatial-temporal forensic analysis for inland water ship collisions using AIS data. <i>Safety Science</i> , 2013, 57, 187-202.	2.6	72
27	Maritime accident prevention strategy formulation from a human factor perspective using Bayesian Networks and TOPSIS. <i>Ocean Engineering</i> , 2020, 210, 107544.	1.9	72
28	Energy-efficient shipping: An application of big data analysis for optimizing engine speed of inland ships considering multiple environmental factors. <i>Ocean Engineering</i> , 2018, 169, 457-468.	1.9	71
29	Study on wear behaviours for NBR/stainless steel under sand water-lubricated conditions. <i>Wear</i> , 2015, 332-333, 1012-1020.	1.5	70
30	Thermo-economic analysis and multi-objective optimization of S-CO ₂ Brayton cycle waste heat recovery system for an ocean-going 9000 TEU container ship. <i>Energy Conversion and Management</i> , 2020, 221, 113077.	4.4	70
31	Analysis of the operational energy efficiency for inland river ships. <i>Transportation Research, Part D: Transport and Environment</i> , 2013, 22, 34-39.	3.2	69
32	Real-time optimization of ship energy efficiency based on the prediction technology of working condition. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 46, 81-93.	3.2	67
33	Tribological Properties of Water-lubricated Rubber Materials after Modification by MoS ₂ Nanoparticles. <i>Scientific Reports</i> , 2016, 6, 35023.	1.6	66
34	Study on Influence of Cylinder Liner Surface Texture on Lubrication Performance for Cylinder Liner-Piston Ring Components. <i>Tribology Letters</i> , 2013, 51, 9-23.	1.2	65
35	Detection of gear cracks in a complex gearbox of wind turbines using supervised bounded component analysis of vibration signals collected from multi-channel sensors. <i>Journal of Sound and Vibration</i> , 2016, 371, 406-433.	2.1	63
36	Dynamic optimization of ship energy efficiency considering time-varying environmental factors. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 62, 685-698.	3.2	63

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37	Review of techniques and challenges of human and organizational factors analysis in maritime transportation. <i>Reliability Engineering and System Safety</i> , 2022, 219, 108249.	5.1	62
38	Safety distance modeling for ship escort operations in Arctic ice-covered waters. <i>Ocean Engineering</i> , 2017, 146, 202-216.	1.9	61
39	A New Intelligent Fusion Method of Multi-Dimensional Sensors and Its Application to Tribo-System Fault Diagnosis of Marine Diesel Engines. <i>Tribology Letters</i> , 2012, 47, 1-15.	1.2	58
40	Framework for the quantitative assessment of the risk of leakage from LNG-fueled vessels by an event tree-CFD. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 43, 42-52.	1.7	56
41	Effects of seafarers'™ emotion on human performance using bridge simulation. <i>Ocean Engineering</i> , 2018, 170, 111-119.	1.9	56
42	Quantitative assessment of collision risk influence factors in the Tianjin port. <i>Safety Science</i> , 2018, 110, 363-371.	2.6	54
43	A quantitative approach for risk assessment of a ship stuck in ice in Arctic waters. <i>Safety Science</i> , 2018, 107, 145-154.	2.6	49
44	Bayesian Network modelling for safety management of electric vehicles transported in RoPax ships. <i>Reliability Engineering and System Safety</i> , 2021, 209, 107466.	5.1	48
45	Selection of maritime safety control options for NUC ships using a hybrid group decision-making approach. <i>Safety Science</i> , 2016, 88, 108-122.	2.6	47
46	A Fuzzy Logic Energy Management Strategy for a Photovoltaic/Diesel/Battery Hybrid Ship Based on Experimental Database. <i>Energies</i> , 2018, 11, 2211.	1.6	47
47	Modeling human-like decision-making for inbound smart ships based on fuzzy decision trees. <i>Expert Systems With Applications</i> , 2019, 115, 172-188.	4.4	47
48	A review of online condition monitoring and maintenance strategy for cylinder liner-piston rings of diesel engines. <i>Mechanical Systems and Signal Processing</i> , 2022, 165, 108385.	4.4	45
49	Safety management performance assessment for Maritime Safety Administration (MSA) by using generalized belief rule base methodology. <i>Safety Science</i> , 2014, 63, 157-167.	2.6	43
50	Design and verification of a laser based device for pavement macrotexture measurement. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 682-694.	3.9	41
51	Investigating relationship between deformation behaviours and stick-slip phenomena of polymer material. <i>Wear</i> , 2017, 376-377, 1333-1338.	1.5	41
52	Effectiveness of maritime safety control in different navigation zones using a spatial sequential DEA model: Yangtze River case. <i>Accident Analysis and Prevention</i> , 2015, 81, 232-242.	3.0	40
53	Probabilistic modelling of the drifting trajectory of an object under the effect of wind and current for maritime search and rescue. <i>Ocean Engineering</i> , 2017, 129, 253-264.	1.9	40
54	Insight into tribological problems of green ship and corresponding research progresses. <i>Friction</i> , 2018, 6, 472-483.	3.4	40

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55	Surface Characterization Using Wavelet Theory and Confocal Laser Scanning Microscopy. <i>Journal of Tribology</i> , 2005, 127, 394-404.	1.0	38
56	Risk influencing factors analysis of Arctic maritime transportation systems: a Chinese perspective. <i>Maritime Policy and Management</i> , 2018, 45, 439-455.	1.9	37
57	Research and Development of Intelligent Transportation Systems. , 2012, , .		36
58	The effect of fatigue driving on car following behavior. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016, 43, 80-89.	1.8	36
59	Numerical modeling and experimental analysis on coupled torsional-longitudinal vibrations of a ship's propeller shaft. <i>Ocean Engineering</i> , 2017, 136, 272-282.	1.9	36
60	Experimental observation of surface morphology effect on crystallization fouling in plate heat exchangers. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 25-30.	2.9	35
61	Study on wear behaviour and wear model of nitrile butadiene rubber under water lubricated conditions. <i>RSC Advances</i> , 2014, 4, 19034-19042.	1.7	34
62	Classification of Automatic Radar Plotting Aid targets based on improved Fuzzy C-Means. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 51, 180-195.	3.9	31
63	CPA Calculation Method based on AIS Position Prediction. <i>Journal of Navigation</i> , 2016, 69, 1409-1426.	1.0	31
64	Analysis of risk factors influencing the safety of maritime container supply chains. <i>International Journal of Shipping and Transport Logistics</i> , 2019, 11, 476.	0.2	31
65	Effect of Circadian Rhythms and Driving Duration on Fatigue Level and Driving Performance of Professional Drivers. <i>Transportation Research Record</i> , 2014, 2402, 19-27.	1.0	30
66	Multiparameter Sensitivity Analysis of Operational Energy Efficiency for Inland River Ships Based on Backpropagation Neural Network Method. <i>Marine Technology Society Journal</i> , 2015, 49, 148-153.	0.3	29
67	Three-Stage Decision-Making Model under Restricted Conditions for Emergency Response to Ships Not under Control. <i>Risk Analysis</i> , 2017, 37, 2455-2474.	1.5	28
68	Coupled transverse and torsional vibrations of the marine propeller shaft with multiple impact factors. <i>Ocean Engineering</i> , 2019, 178, 48-58.	1.9	28
69	A novel method for joint optimization of the sailing route and speed considering multiple environmental factors for more energy efficient shipping. <i>Ocean Engineering</i> , 2020, 216, 107591.	1.9	28
70	Ship Domain Model for Multi-ship Collision Avoidance Decision-making with COLREGs Based on Artificial Potential Field. <i>TransNav</i> , 2017, 11, 85-92.	0.3	27
71	A novel marine radar targets extraction approach based on sequential images and Bayesian Network. <i>Ocean Engineering</i> , 2016, 120, 64-77.	1.9	26
72	Intelligent wear mode identification system for marine diesel engines based on multi-level belief rule base methodology. <i>Measurement Science and Technology</i> , 2018, 29, 015110.	1.4	26

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73	Multi-ship collision avoidance decision-making and coordination mechanism in Mixed Navigation Scenarios. <i>Ocean Engineering</i> , 2022, 257, 111666.	1.9	26
74	A flexible decision-support solution for intervention measures of grounded ships in the Yangtze River. <i>Ocean Engineering</i> , 2017, 141, 237-248.	1.9	25
75	A novel policy making aid model for the development of LNG fuelled ships. <i>Transportation Research, Part A: Policy and Practice</i> , 2019, 119, 29-44.	2.0	24
76	Effects of thread groove width in cylinder liner surface on performances of diesel engine. <i>Wear</i> , 2019, 426-427, 1296-1303.	1.5	23
77	Effects of textured cylinder liner piston ring on performances of diesel engine under hot engine tests. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 146, 111193.	8.2	23
78	A novel ship energy efficiency model considering random environmental parameters. <i>Journal of Marine Engineering and Technology</i> , 2020, 19, 215-228.	1.9	22
79	The Role of the Prefrontal Cortex and Functional Connectivity during Maritime Operations: An fNIRS study. <i>Brain and Behavior</i> , 2021, 11, e01910.	1.0	22
80	An accident data-based approach for congestion risk assessment of inland waterways: A Yangtze River case. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2014, 228, 176-188.	0.6	21
81	Gear Multi-Faults Diagnosis of a Rotating Machinery Based on Independent Component Analysis and Fuzzy &K&I&N-Nearest Neighbor. <i>Advanced Materials Research</i> , 0, 108-111, 1033-1038.	0.3	19
82	A NEW DATA MINING APPROACH FOR GEAR CRACK LEVEL IDENTIFICATION BASED ON MANIFOLD LEARNING. <i>Mechanika</i> , 2012, 18, .	0.3	19
83	Sequential ship traffic scheduling model for restricted two-way waterway transportation. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2017, 231, 86-97.	0.3	18
84	Condition Monitoring and Fault Diagnosis for Marine Diesel Engines using Information Fusion Techniques. <i>Elektronika Ir Elektrotechnika</i> , 2012, 123, .	0.4	18
85	Sensitivity of Lane Position and Steering Angle Measurements to Driver Fatigue. <i>Transportation Research Record</i> , 2016, 2585, 67-76.	1.0	17
86	Influence of Surface Groove Width on Tribological Performance for Cylinder Liner-Piston Ring Components. <i>Tribology Transactions</i> , 2019, 62, 239-248.	1.1	17
87	Analysis of maritime transport accidents using Bayesian networks. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2020, 234, 439-454.	0.6	17
88	Review of condition monitoring and fault diagnosis for marine power systems. <i>Transportation Safety and Environment</i> , 2021, 3, 85-102.	1.1	17
89	Optimizing ship energy efficiency: Application of particle swarm optimization algorithm. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2018, 232, 379-391.	0.3	16
90	A Mutual Information-Based Bayesian Network Model for Consequence Estimation of Navigational Accidents in the Yangtze River. <i>Journal of Navigation</i> , 2020, 73, 559-580.	1.0	16

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91	Quantitative Analysis on Risk Influencing Factors in the Jiangsu Segment of the Yangtze River. Risk Analysis, 2021, 41, 1560-1578.	1.5	16
92	Numerical and experimental analysis of coupled transverse and longitudinal vibration of a marine propulsion shaft. Journal of Mechanical Science and Technology, 2016, 30, 5405-5412.	0.7	15
93	Rollover risk assessment and automated control for heavy duty vehicles based on vehicle-€œinfrastructure information. IET Intelligent Transport Systems, 2019, 13, 1001-1010.	1.7	15
94	On the Use of the Hybrid Causal Logic Methodology in Ship Collision Risk Assessment. Journal of Marine Science and Engineering, 2020, 8, 485.	1.2	15
95	Optimization Model for Traffic Signal Control with Environmental Objectives. , 2008, , .		14
96	Bi-level programming based contra flow optimization for evacuation events. Kybernetes, 2010, 39, 1227-1234.	1.2	14
97	A novel bi-level distributed dynamic optimization method of ship fleets energy consumption. Ocean Engineering, 2020, 197, 106802.	1.9	14
98	A New Method of Nonlinear Feature Extraction for Multi-Fault Diagnosis of Rotor Systems. Noise and Vibration Worldwide, 2010, 41, 29-37.	0.4	13
99	3D Surface Characterizations of Wear Particles Generated from Lubricated Regular Concave Cylinder Liners. Tribology Letters, 2014, 55, 131-142.	1.2	13
100	The dynamics of ship propulsion unit-large hull-€œwater interactions. Ocean Engineering, 2016, 124, 349-362.	1.9	12
101	Considering Variable Road Geometry in Adaptive Vehicle Speed Control. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	11
102	Optimized maritime emergency resource allocation under dynamic demand. PLoS ONE, 2017, 12, e0189411.	1.1	11
103	Optimization-based improved kernel extreme learning machine for rolling bearing fault diagnosis. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	11
104	A probabilistic consequence estimation model for collision accidents in the downstream of Yangtze River using Bayesian Networks. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2020, 234, 422-436.	0.6	11
105	The evaluating on EEDI and fuel consumption of an inland river 800PCC integrated with solar photovoltaic system. Journal of Marine Engineering and Technology, 2021, 20, 77-92.	1.9	11
106	A novel dynamical collaborative optimization method of ship energy consumption based on a spatial and temporal distribution analysis of voyage data. Applied Ocean Research, 2021, 112, 102657.	1.8	11
107	Numerical surface characterization of wear debris from artificial joints using atomic force microscopy. Science Bulletin, 2009, 54, 4583-4588.	4.3	10
108	Study of on-line condition monitoring and fault feature extraction for marine diesel engines based on tribological information. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2015, 229, 291-300.	0.6	10

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109	Evaluation of the effectiveness of auditory speeding warnings for commercial passenger vehicles –a field study in Wuhan, China. IET Intelligent Transport Systems, 2015, 9, 467-476.	1.7	10
110	A novel approach of collision assessment for coastal radar surveillance. Reliability Engineering and System Safety, 2016, 155, 179-195.	5.1	10
111	A Multisource Information System for Monitoring and Improving Ship Energy Efficiency. Journal of Coastal Research, 2016, 321, 1235-1245.	0.1	10
112	Effect of perturbation amplitudes on water film stiffness coefficients of water-lubricated plain journal bearings based on CFD–FSI methods. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 1003-1015.	1.0	10
113	Non-destructive testing of marine diesel engines using integration of ferrographic analysis and spectrum analysis. Insight: Non-Destructive Testing and Condition Monitoring, 2012, 54, 394-398.	0.3	9
114	Study on data fusion of multi-dimensional sensors for health monitoring of rolling bearings. Insight: Non-Destructive Testing and Condition Monitoring, 2013, 55, 147-151.	0.3	9
115	Coupling mechanism between wear and oxidation processes of 304 stainless steel in hydrogen peroxide environments. Scientific Reports, 2017, 7, 2327.	1.6	9
116	The influence of different surface textures on wears in cylinder liner piston rings. Surface Topography: Metrology and Properties, 2019, 7, 045011.	0.9	9
117	Multi-agent Based Power and Energy Management System for Hybrid Ships. , 2015, , .		8
118	PSO-based method for safe sailing route and efficient speeds decision-support for sea-going ships encountering accidents. , 2017, , .		8
119	A review on human factors in maritime transportation using seafarers' physiological data. , 2017, , .		8
120	Study on tribological properties of Al ₂ O ₃ ceramics/1Cr18Ni9Ti stainless steel rubbing pairs in H ₂ O ₂ solutions. Lubrication Science, 2011, 23, 41-48.	0.9	7
121	The Hardware-in-the-loop Simulator: A Mechatronic Testbed for Cooperative Vehicles Maneuvers. International Journal of Intelligent Transportation Systems Research, 2013, 11, 11-22.	0.6	7
122	Marine CM: Condition identification of the cylinder liner-piston ring in a marine diesel engine using bispectrum analysis and artificial neural networks. Insight: Non-Destructive Testing and Condition Monitoring, 2013, 55, 621-626.	0.3	7
123	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.	0.6	7
124	A Probabilistic Prediction Model for the Safety Assessment of HDVs Under Complex Driving Environments. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 858-868.	4.7	7
125	Study on route division for ship energy efficiency optimization based on big environment data. , 2017, , .		7
126	A distributed model predictive control using virtual field force for multi-ship collision avoidance under COLREGs. , 2017, , .		7

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127	Anti-friction and self-repairing abilities of ultrafine serpentine, attapulgite and kaolin in oil for the cylinder liner-piston ring tribo-systems. <i>Lubrication Science</i> , 0, , .	0.9	7
128	A modified DV-Hop localization algorithm for wireless sensor networks. , 2009, , .		6
129	An inexact optimization model for evacuation planning. <i>Kybernetes</i> , 2009, 38, 1676-1683.	1.2	6
130	Gear faults diagnosis based on wavelet-AR model and PCA. , 2010, , .		6
131	Assessment model for tribological property of ceramic/stainless steel rubbing pairs in H2O2 solution. <i>Science China Technological Sciences</i> , 2013, 56, 3017-3023.	2.0	6
132	A novel prediction model for aircraft spare part intermittent demand in aviation transportation logistics using multi-components accumulation and high resolution analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015, 229, 384-395.	0.7	5
133	Prediction of Sliding Friction Coefficient Based on a Novel Hybrid Molecular-Mechanical Model. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5551-5557.	0.9	5
134	Charging Station Location Optimization of Electric Ship Based on Backup Coverage Model. <i>TransNav</i> , 2017, 11, 137-141.	0.3	5
135	A Study on Chinese Motorists' Operational Behavior in Angry Driving. , 2011, , .		4
136	Dynamic Interaction Analysis of a 2D Propulsion Shaft-Ship Hull System Subjected by Sea Wave. , 2014, , .		4
137	Challenges and Developments in Navigational Risk Assessment With Large Uncertainty. , 2014, , .		4
138	The I-V characteristics of solar cell under the marine environment: Experimental research. , 2015, , .		4
139	Robust global sliding model control for water-hull-propulsion unit interaction systems - Part 1: System boundary identification. <i>Tehnicki Vjesnik</i> , 2015, 22, 209-215.	0.3	4
140	A new remote intelligent diagnosis system for marine diesel engines based on an improved multi-kernel algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2015, 229, 604-611.	0.6	4
141	Modeling mechanism of a novel fractional grey model based on matrix analysis. <i>Journal of Systems Engineering and Electronics</i> , 2016, 27, 1040-1053.	1.1	4
142	A Fuzzy Event Tree Model for Accident Scenario Analysis of Ship Stuck in Ice in Arctic Waters. , 2016, , .		4
143	Modelling the collision risk in the Yangtze River using Bayesian networks. , 2017, , .		4
144	Evaluating the Probability of Power Loss in Ship Electric Propulsion Systems Based on Bayesian Belief Networks. <i>Marine Technology Society Journal</i> , 2019, 53, 63-79.	0.3	4

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145	Research on Intelligent Vehicle platoon Driving Simulation Experiment System under the Coordination between Vehicle and Highway. Journal of Computers, 2010, 5, .	0.4	4
146	Design and Realization of Traffic Scene Editor Based on XML Framework. , 2009, , .		3
147	Severity Analyses of Single-Vehicle Crashes Based on Rough Set Theory. , 2009, , .		3
148	Research on the Technology for Improving Safe Awareness Based on Driving Simulator. , 2010, , .		3
149	Ship electric propulsion with a sensorless permanent magnet synchronous motor: A simulation study. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2012, 226, 378-386.	0.3	3
150	Study and Simulation on the Energy Efficiency Management Control Strategy of Ship Based on Clean Propulsion System. , 2015, , .		3
151	Analysis of Torsional Vibration of Large-Scale Ship Propulsion Shafting. , 2015, , .		3
152	Contribution of wind forces to rollover stability of heavy duty vehicle. , 2015, , .		3
153	An agent-based simulation on navigational capacity of multi-bridge waterways. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2017, 231, 200-211.	0.3	3
154	Emergency Management of Maritime Accidents in the Yangtze River: Problems, Practice and Prospects. TransNav, 2017, 11, 111-118.	0.3	3
155	Data Mining for Bibliometric Analysis of Traffic Flow. , 2009, , .		2
156	A Recognition Model for Acceleration Intention of Automobile Drivers Based on Fuzzy Clustering. , 2011, , .		2
157	A Research on the Influence of Vessel-Propeller Coupling Effect to Shaft's Lateral Vibration. Applied Mechanics and Materials, 2012, 226-228, 106-112.	0.2	2
158	A Quantificational Description Method of Vessel Track Based on AIS Data. , 2013, , .		2
159	Design of ship energy efficiency monitoring and control system considering environmental factors. , 2015, , .		2
160	A concept design of a small ocean vehicle with flap-foils to harvest wave energy. , 2016, , .		2
161	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.	0.3	2
162	Wear Resistance Properties Reinforcement Using Nano-Al/Cu Composite Coating in Sliding Bearing Maintenance. Journal of Nanoscience and Nanotechnology, 2018, 18, 2152-2157.	0.9	2

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163	A Multiclass, Multimode Traffic Assignment Model Considering Emission under Various Engine Operating Modes. , 2008, , .		1
164	Quantum-Inspired Evolutionary Algorithm for Transportation Network Design Optimization. , 2008, , .		1
165	Turbocharged Two-Stroke Diesel Engine of Large Vessels Modeling and Simulation. Applied Mechanics and Materials, 0, 235, 233-238.	0.2	1
166	A comparative study on numerical optimization techniques for Model Predictive Variable Speed Limit control. , 2014, , .		1
167	Reliability model based on stress-strength interference for marine propulsion shafting. , 2015, , .		1
168	A sequential barrier-based model to evaluate human reliability in maritime accident process. , 2015, , .		1
169	Reducing surface energy to improve energy efficiency of ships. , 2015, , .		1
170	Research on power load flow calculation for photovoltaic-ship power system based on PSAT. , 2015, , .		1
171	Theoretical model research on I-V characteristics of solar cell under the marine environment. , 2015, , .		1
172	An Analysis and Design of the Structural Controllability of Active Networks Over $F(z)$. Journal of Circuits, Systems and Computers, 2015, 24, 1550081.	1.0	1
173	Current status and framework of China's inland passenger ship safety system. , 2016, , .		1
174	A New Flapping-Hydrofoil Wave Power Generating Unmanned Ocean Vehicle. , 2016, , .		1
175	Dynamic Decision-Making Model for Traffic Organization Within Traffic Separation Scheme During Maritime Accident Process. , 2016, , .		1
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