Xinping Yan

List of Publications by Citations

165 papers	3,639 citations	36 h-index	52 g-index
193 ext. papers	4,756 ext. citations	3.4 avg, IF	6.05 L-index

#	Paper	IF	Citations
165	Blind vibration component separation and nonlinear feature extraction applied to the nonstationary vibration signals for the gearbox multi-fault diagnosis. *Measurement: Journal of the International Measurement Confederation*, **2013**, 46, 259-271	4.6	105
164	Resilience in transportation systems: a systematic review and future directions. *Transport Reviews*, **2018**, 38, 479-498	9.9	104
163	An Evidential Reasoning-Based CREAM to Human Reliability Analysis in Maritime Accident Process. *Risk Analysis*, **2017**, 37, 1936-1957	3.9	99
162	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	5.8	99
161	Multi-objective path planning for unmanned surface vehicle with currents effects. *ISA Transactions*, **2018**, 75, 137-156	5.5	95
160	Virtual prototype and experimental research on gear multi-fault diagnosis using wavelet-autoregressive model and principal component analysis method. *Mechanical Systems and Signal Processing*, **2011**, 25, 2589-2607	7.8	94
159	A distributed anti-collision decision support formulation in multi-ship encounter situations under COLREGs. *Ocean Engineering*, **2015**, 105, 336-348	3.9	93
158	FAULT DETECTION IN A DIESEL ENGINE BY ANALYSING THE INSTANTANEOUS ANGULAR SPEED. *Mechanical Systems and Signal Processing*, **2001**, 15, 549-564	7.8	87
157	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	9	86
156	Incorporating evidential reasoning and TOPSIS into group decision-making under uncertainty for handling ship without command. *Ocean Engineering*, **2018**, 164, 590-603	3.9	83
155	Maritime Transportation Risk Assessment of Tianjin Port with Bayesian Belief Networks. *Risk Analysis*, **2016**, 36, 1171-87	3.9	82
154	Use of fuzzy rule-based evidential reasoning approach in the navigational risk assessment of inland waterway transportation systems. *Safety Science*, **2016**, 82, 352-360	5.8	68
153	Intelligent fault diagnosis method for marine diesel engines using instantaneous angular speed. *Journal of Mechanical Science and Technology*, **2012**, 26, 2413-2423	1.6	66
152	A Belief Rule-Based Expert System for Fault Diagnosis of Marine Diesel Engines. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 1-17	7.3	65
151	A spatial–temporal forensic analysis for inland-water ship collisions using AIS data. *Safety Science*, **2013**, 57, 187-202	5.8	63
150	Towards a probabilistic model for predicting ship besetting in ice in Arctic waters. *Reliability Engineering and System Safety*, **2016**, 155, 124-136	6.3	61
149	Tribological properties of aged nitrile butadiene rubber under dry sliding conditions. *Wear*, **2015**, 322-323, 226-237	3.5	60

148	Fuzzy logic based approach for ship-bridge collision alert system. *Ocean Engineering*, **2019**, 187, 106152	3.9	60
147	Fault detection and diagnosis of a gearbox in marine propulsion systems using bispectrum analysis and artificial neural networks. *Journal of Marine Science and Application*, **2011**, 10, 17-24	1.2	60
146	Study on Influence of Cylinder Liner Surface Texture on Lubrication Performance for Cylinder Liner/Piston Ring Components. *Tribology Letters*, **2013**, 51, 9-23	2.8	54
145	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	6.4	54
144	Detection of gear cracks in a complex gearbox of wind turbines using supervised bounded component analysis of vibration signals collected from multi-channel sensors. *Journal of Sound and Vibration*, **2016**, 371, 406-433	3.9	50
143	Incorporation of human factors into maritime accident analysis using a data-driven Bayesian network. *Reliability Engineering and System Safety*, **2020**, 203, 107070	6.3	49
142	Analysis of the operational energy efficiency for inland river ships. *Transportation Research, Part D: Transport and Environment*, **2013**, 22, 34-39	6.4	49
141	Study on wear behaviours for NBR/stainless steel under sand water-lubricated conditions. *Wear*, **2015**, 332-333, 1012-1020	3.5	48
140	Tribological Properties of Water-lubricated Rubber Materials after Modification by MoS Nanoparticles. *Scientific Reports*, **2016**, 6, 35023	4.9	48
139	A New Intelligent Fusion Method of Multi-Dimensional Sensors and Its Application to Tribo-System Fault Diagnosis of Marine Diesel Engines. *Tribology Letters*, **2012**, 47, 1-15	2.8	45
138	Real-time optimization of ship energy efficiency based on the prediction technology of working condition. *Transportation Research, Part D: Transport and Environment*, **2016**, 46, 81-93	6.4	42
137	A design and experimental investigation of a large-scale solar energy/diesel generator powered hybrid ship. *Energy*, **2018**, 165, 965-978	7.9	42
136	A novel flexible model for piracy and robbery assessment of merchant ship operations. *Reliability Engineering and System Safety*, **2016**, 155, 196-211	6.3	40
135	Safety distance modeling for ship escort operations in Arctic ice-covered waters. *Ocean Engineering*, **2017**, 146, 202-216	3.9	38
134	Maritime accident prevention strategy formulation from a human factor perspective using Bayesian Networks and TOPSIS. *Ocean Engineering*, **2020**, 210, 107544	3.9	38
133	Selection of maritime safety control options for NUC ships using a hybrid group decision-making approach. *Safety Science*, **2016**, 88, 108-122	5.8	38
132	Machine learning-based wear fault diagnosis for marine diesel engine by fusing multiple data-driven models. *Knowledge-Based Systems*, **2020**, 190, 105324	7.3	38
131	Energy-efficient shipping: An application of big data analysis for optimizing engine speed of inland ships considering multiple environmental factors. *Ocean Engineering*, **2018**, 169, 457-468	3.9	37

130	Surface Characterization Using Wavelet Theory and Confocal Laser Scanning Microscopy. *Journal of Tribology*, **2005**, 127, 394-404	1.8	36
129	Safety management performance assessment for Maritime Safety Administration (MSA) by using generalized belief rule base methodology. *Safety Science*, **2014**, 63, 157-167	5.8	35
128	A review of progress and applications of ship shaft-less rim-driven thrusters. *Ocean Engineering*, **2017**, 144, 142-156	3.9	35
127	Quantitative assessment of collision risk influence factors in the Tianjin port. *Safety Science*, **2018**, 110, 363-371	5.8	33
126	Dynamic optimization of ship energy efficiency considering time-varying environmental factors. *Transportation Research, Part D: Transport and Environment*, **2018**, 62, 685-698	6.4	32
125	Modeling human-like decision-making for inbound smart ships based on fuzzy decision trees. *Expert Systems With Applications*, **2019**, 115, 172-188	7.8	32
124	A study on a numerical simulation of the leakage and diffusion of hydrogen in a fuel cell ship. *Renewable and Sustainable Energy Reviews*, **2018**, 97, 177-185	16.2	32
123	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	3.5	31
122	Thermo-economic analysis and multi-objective optimization of S-CO2 Brayton cycle waste heat recovery system for an ocean-going 9000 TEU container ship. *Energy Conversion and Management*, **2020**, 221, 113077	10.6	30
121	Research and Development of Intelligent Transportation Systems **2012**,		29
120	Design and verification of a laser based device for pavement macrotexture measurement. *Transportation Research Part C: Emerging Technologies*, **2011**, 19, 682-694	8.4	29
119	Effectiveness of maritime safety control in different navigation zones using a spatial sequential DEA model: Yangtze River case. *Accident Analysis and Prevention*, **2015**, 81, 232-42	6.1	28
118	Study on wear behaviour and wear model of nitrile butadiene rubber under water lubricated conditions. *RSC Advances*, **2014**, 4, 19034-19042	3.7	28
117	A Fuzzy Logic Energy Management Strategy for a Photovoltaic/Diesel/Battery Hybrid Ship Based on Experimental Database. *Energies*, **2018**, 11, 2211	3.1	28
116	A quantitative approach for risk assessment of a ship stuck in ice in Arctic waters. *Safety Science*, **2018**, 107, 145-154	5.8	27
115	Investigating relationship between deformation behaviours and stick-slip phenomena of polymer material. *Wear*, **2017**, 376-377, 1333-1338	3.5	27
114	The effect of fatigue driving on car following behavior. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2016**, 43, 80-89	4.5	26
113	Experimental observation of surface morphology effect on crystallization fouling in plate heat exchangers. *International Communications in Heat and Mass Transfer*, **2011**, 38, 25-30	5.8	24

112	Numerical modeling and experimental analysis on coupled torsional-longitudinal vibrations of a ship's propeller shaft. *Ocean Engineering*, **2017**, 136, 272-282	3.9	23
111	Risk influencing factors analysis of Arctic maritime transportation systems: a Chinese perspective. *Maritime Policy and Management*, **2018**, 45, 439-455	2.5	23
110	Insight into tribological problems of green ship and corresponding research progresses. *Friction*, **2018**, 6, 472-483	5.6	22
109	Probabilistic modelling of the drifting trajectory of an object under the effect of wind and current for maritime search and rescue. *Ocean Engineering*, **2017**, 129, 253-264	3.9	22
108	Classification of Automatic Radar Plotting Aid targets based on improved Fuzzy C-Means. *Transportation Research Part C: Emerging Technologies*, **2015**, 51, 180-195	8.4	21
107	Bayesian Network modelling for safety management of electric vehicles transported in RoPax ships. *Reliability Engineering and System Safety*, **2021**, 209, 107466	6.3	21
106	Effects of seafarers emotion on human performance using bridge simulation. *Ocean Engineering*, **2018**, 170, 111-119	3.9	21
105	Three-Stage Decision-Making Model under Restricted Conditions for Emergency Response to Ships Not under Control. *Risk Analysis*, **2017**, 37, 2455-2474	3.9	20
104	A flexible decision-support solution for intervention measures of grounded ships in the Yangtze River. *Ocean Engineering*, **2017**, 141, 237-248	3.9	20
103	Intelligent wear mode identification system for marine diesel engines based on multi-level belief rule base methodology. *Measurement Science and Technology*, **2018**, 29, 015110	2	19
102	A novel marine radar targets extraction approach based on sequential images and Bayesian Network. *Ocean Engineering*, **2016**, 120, 64-77	3.9	19
101	Multiparameter Sensitivity Analysis of Operational Energy Efficiency for Inland River Ships Based on Backpropagation Neural Network Method. *Marine Technology Society Journal*, **2015**, 49, 148-153	0.5	19
100	Ship Domain Model for Multi-ship Collision Avoidance Decision-making with COLREGs Based on Artificial Potential Field. *TransNav*, **2017**, 11, 85-92	1.6	19
99	CPA Calculation Method based on AIS Position Prediction. *Journal of Navigation*, **2016**, 69, 1409-1426	2.3	19
98	Analysis of risk factors influencing the safety of maritime container supply chains. *International Journal of Shipping and Transport Logistics*, **2019**, 11, 476	1	19
97	Gear Multi-Faults Diagnosis of a Rotating Machinery Based on Independent Component Analysis and Fuzzy K-Nearest Neighbor. *Advanced Materials Research*, **2010**, 108-111, 1033-1038	0.5	18
96	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	0.8	17
95	Coupled transverse and torsional vibrations of the marine propeller shaft with multiple impact factors. *Ocean Engineering*, **2019**, 178, 48-58	3.9	15

94	Effects of thread groove width in cylinder liner surface on performances of diesel engine. *Wear*, **2019**, 426-427, 1296-1303	3.5	15
93	Effect of Circadian Rhythms and Driving Duration on Fatigue Level and Driving Performance of Professional Drivers. *Transportation Research Record*, **2014**, 2402, 19-27	1.7	15
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	1.6	13
91	A novel policy making aid model for the development of LNG fuelled ships. *Transportation Research, Part A: Policy and Practice*, **2019**, 119, 29-44	3.7	13
90	3D Surface Characterizations of Wear Particles Generated from Lubricated Regular Concave Cylinder Liners. *Tribology Letters*, **2014**, 55, 131-142	2.8	12
89	Bi-level programming based contra flow optimization for evacuation events. *Kybernetes*, **2010**, 39, 1227-1234	1.1	12
88	A NEW DATA MINING APPROACH FOR GEAR CRACK LEVEL IDENTIFICATION BASED ON MANIFOLD LEARNING. *Mechanika*, **2012**, 18,	1.5	11
87	A novel method for joint optimization of the sailing route and speed considering multiple environmental factors for more energy efficient shipping. *Ocean Engineering*, **2020**, 216, 107591	3.9	11
86	The dynamics of ship propulsion unit-large hull-water interactions. *Ocean Engineering*, **2016**, 124, 349-362	3.9	11
85	Numerical surface characterization of wear debris from artificial joints using atomic force microscopy. *Science Bulletin*, **2009**, 54, 4583-4588	10.6	10
84	A New Method of Nonlinear Feature Extraction for Multi-Fault Diagnosis of Rotor Systems. *Noise and Vibration Worldwide*, **2010**, 41, 29-37	0.8	10
83	Optimization Model for Traffic Signal Control with Environmental Objectives **2008**,		10
82	Pavement Distress Image Automatic Classification Based on DENSITY-Based Neural Network. *Lecture Notes in Computer Science*, **2006**, 685-692	0.9	10
81	Condition Monitoring and Fault Diagnosis for Marine Diesel Engines using Information Fusion Techniques. *Elektronika Ir Elektrotechnika*, **2012**, 123,	1.7	10
80	Sequential ship traffic scheduling model for restricted two-way waterway transportation. *Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment*, **2017**, 231, 86-97	0.4	9
79	Influence of Surface Groove Width on Tribological Performance for Cylinder Liner-Piston Ring Components. *Tribology Transactions*, **2019**, 62, 239-248	1.8	9
78	Optimizing ship energy efficiency: Application of particle swarm optimization algorithm. *Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment*, **2018**, 232, 379-391	0.4	9
77	A novel approach of collision assessment for coastal radar surveillance. *Reliability Engineering and System Safety*, **2016**, 155, 179-195	6.3	9

76	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	1.3	9
75	Considering Variable Road Geometry in Adaptive Vehicle Speed Control. *Mathematical Problems in Engineering*, **2013**, 2013, 1-12	1.1	9
74	Sensitivity of Lane Position and Steering Angle Measurements to Driver Fatigue. *Transportation Research Record*, **2016**, 2585, 67-76	1.7	9
73	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	2	8
72	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	0.8	8
71	Review of techniques and challenges of human and organizational factors analysis in maritime transportation. *Reliability Engineering and System Safety*, **2022**, 219, 108249	6.3	8
70	A Mutual Information-Based Bayesian Network Model for Consequence Estimation of Navigational Accidents in the Yangtze River. *Journal of Navigation*, **2020**, 73, 559-580	2.3	8
69	On the Use of the Hybrid Causal Logic Methodology in Ship Collision Risk Assessment. *Journal of Marine Science and Engineering*, **2020**, 8, 485	2.4	8
68	A novel ship energy efficiency model considering random environmental parameters. *Journal of Marine Engineering and Technology*, **2020**, 19, 215-228	1.3	8
67	Effects of textured cylinder liner piston ring on performances of diesel engine under hot engine tests. *Renewable and Sustainable Energy Reviews*, **2021**, 146, 111193	16.2	8
66	A review of online condition monitoring and maintenance strategy for cylinder liner-piston rings of diesel engines. *Mechanical Systems and Signal Processing*, **2022**, 165, 108385	7.8	8
65	Quantitative Analysis on Risk Influencing Factors in the Jiangsu Segment of the Yangtze River. *Risk Analysis*, **2021**, 41, 1560-1578	3.9	7
64	Rollover risk assessment and automated control for heavy duty vehicles based on vehicle-to-infrastructure information. *IET Intelligent Transport Systems*, **2019**, 13, 1001-1010	2.4	7
63	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	1.3	7
62	The Role of the Prefrontal Cortex and Functional Connectivity during Maritime Operations: An fNIRS study. *Brain and Behavior*, **2021**, 11, e01910	3.4	7
61	Analysis of maritime transport accidents using Bayesian networks. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2020**, 234, 439-454	0.8	6
60	Optimized maritime emergency resource allocation under dynamic demand. *PLoS ONE*, **2017**, 12, e0189411	3.7	6
59	Assessment model for tribological property of ceramic/stainless steel rubbing pairs in H2O2 solution. *Science China Technological Sciences*, **2013**, 56, 3017-3023	3.5	6

58	The Hardware-in-the-loop Simulator: A Mechatronic Testbed for Cooperative Vehicles Maneuvers. *International Journal of Intelligent Transportation Systems Research*, **2013**, 11, 11-22	1.4	6
57	Evaluation of the effectiveness of auditory speeding warnings for commercial passenger vehicles 🔲 field study in Wuhan, China. *IET Intelligent Transport Systems*, **2015**, 9, 467-476	2.4	6
56	Study on tribological properties of Al2O3 ceramics/1Cr18Ni9Ti stainless steel rubbing pairs in H2O2 solutions. *Lubrication Science*, **2011**, 23, 41-48	1.3	6
55	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	1.3	6
54	Review of condition monitoring and fault diagnosis for marine power systems. *Transportation Safety and Environment*, **2021**, 3, 85-102	2.6	6
53	The influence of different surface textures on wears in cylinder liner piston rings. *Surface Topography: Metrology and Properties*, **2019**, 7, 045011	1.5	6
52	A Multisource Information System for Monitoring and Improving Ship Energy Efficiency. *Journal of Coastal Research*, **2016**, 321, 1235-1245	0.6	5
51	A Probabilistic Prediction Model for the Safety Assessment of HDVs Under Complex Driving Environments. *IEEE Transactions on Intelligent Transportation Systems*, **2017**, 18, 858-868	6.1	5
50	Multi-agent Based Power and Energy Management System for Hybrid Ships **2015**,		5
49	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	1.3	5
48	A novel bi-level distributed dynamic optimization method of ship fleets energy consumption. *Ocean Engineering*, **2020**, 197, 106802	3.9	5
47	A novel prediction model for aircraft spare part intermittent demand in aviation transportation logistics using multi-components accumulation and high resolution analysis. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2015**, 229, 384-395	0.9	4
46	Coupling mechanism between wear and oxidation processes of 304 stainless steel in hydrogen peroxide environments. *Scientific Reports*, **2017**, 7, 2327	4.9	4
45	A review on human factors in maritime transportation using seafarers' physiological data **2017**,		4
44	Study on route division for ship energy efficiency optimization based on big environment data **2017** ,		4
43	Challenges and Developments in Navigational Risk Assessment With Large Uncertainty **2014**,		4
42	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	3.4	4
41	Effect of perturbation amplitudes on water film stiffness coefficients of water-lubricated plain journal bearings based on CFD🔲SI methods. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2019**, 233, 1003-1015	1.4	4

40	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	0.8	4
39	Contribution of wind forces to rollover stability of heavy duty vehicle **2015**,		3
38	Prediction of Sliding Friction Coefficient Based on a Novel Hybrid Molecular-Mechanical Model. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 5551-5557	1.3	3
37	PSO-based method for safe sailing route and efficient speeds decision-support for sea-going ships encountering accidents **2017**,		3
36	A distributed model predictive control using virtual field force for multi-ship collision avoidance under COLREGs **2017**,		3
35	Robust global sliding model control for water-hull-propulsion unit interaction systems - Part 1: System boundary identification. *Tehnicki Vjesnik*, **2015**, 22, 209-215	1	3
34	A Study on Chinese Motorists' Operational Behavior in Angry Driving **2011**,		3
33	Gear faults diagnosis based on wavelet-AR model and PCA **2010**,		3
32	Research on Intelligent Vehicle platoon Driving Simulation Experiment System under the Coordination between Vehicle and Highway. *Journal of Computers*, **2010**, 5,	1.4	3
31	Modeling mechanism of a novel fractional grey model based on matrix analysis. *Journal of Systems Engineering and Electronics*, **2016**, 27, 1040-1053	1.3	3
30	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	0.8	3
29	Design of ship energy efficiency monitoring and control system considering environmental factors **2015**,		2
28	A Recognition Model for Acceleration Intention of Automobile Drivers Based on Fuzzy Clustering **2011**,		2
27	Research on the Technology for Improving Safe Awareness Based on Driving Simulator **2010**,		2
26	A modified DV-Hop localization algorithm for wireless sensor networks **2009**,		2
25	A Research on the Influence of Vessel-Propeller Coupling Effect to Shaft Lateral Vibration. *Applied Mechanics and Materials*, **2012**, 226-228, 106-112	0.3	2
24	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	0.4	2
23	Severity Analyses of Single-Vehicle Crashes Based on Rough Set Theory **2009**,		2

22	An inexact optimization model for evacuation planning. *Kybernetes*, **2009**, 38, 1676-1683	2	2
21	Charging Station Location Optimization of Electric Ship Based on Backup Coverage Model. *TransNav*, **2017**, 11, 137-141	1.6	2
20	A Fuzzy Event Tree Model for Accident Scenario Analysis of Ship Stuck in Ice in Arctic Waters **2016**,		2
19	Wear Resistance Properties Reinforcement Using Nano-Al/Cu Composite Coating in Sliding Bearing Maintenance. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2152-2157	1.3	2
18	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	0.4	1
17	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	0.4	1
16	A new remote intelligent diagnosis system for marine diesel engines based on an improved multi-kernel algorithm. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2015**, 229, 604-611	0.8	1
15	Modelling the collision risk in the Yangtze River using Bayesian networks **2017**,		1
14	Reliability model based on stress-strength interference for marine propulsion shafting **2015**,		1
13	Study and Simulation on the Energy Efficiency Management Control Strategy of Ship Based on Clean Propulsion System **2015**,		1
12	Theoretical model research on I-V characteristics of solar cell under the marine environment **2015**,		1
11	Dynamic Interaction Analysis of a 2D Propulsion Shaft-Ship Hull System Subjected by Sea Wave **2014**,		1
10	A Quantificational Description Method of Vessel Track Based on AIS Data **2013**,		1
9	Data Mining for Bibliometric Analysis of Traffic Flow **2009**,		1
8	A Multiclass, Multimode Traffic Assignment Model Considering Emission under Various Engine Operating Modes **2008**,		1
7	Evaluating the Probability of Power Loss in Ship Electric Propulsion Systems Based on Bayesian Belief Networks. *Marine Technology Society Journal*, **2019**, 53, 63-79	0.5	1
6	An Analysis and Design of the Structural Controllability of Active Networks Over F(z). *Journal of Circuits, Systems and Computers*, **2015**, 24, 1550081	0.9	0
5	Turbocharged Two-Stroke Diesel Engine of Large Vessels Modeling and Simulation. *Applied Mechanics and Materials*, **2012**, 235, 233-238	0.3	0

List of Publications

4	Numerical calculation and experimental research on the ship dynamics of the fluid-structure interaction. *Advances in Mechanical Engineering*, **2018**, 10, 168781401878234	1.2
3	A Novel Approach for PC-Based Test and Measurement Applications Development with Autonomous Sensors. *Advanced Materials Research*, **2011**, 201-203, 2014-2018	0.5
2	Multi-feature learning-based extreme learning machine for rolling bearing fault diagnosis. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, 1748006X2110485	0.8
1	Some Properties of a Class of RLCM Active Networks Over F(z). *Journal of Circuits, Systems and Computers*, **2016**, 25, 1650158	0.9