

Xinping Yan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Review of techniques and challenges of human and organizational factors analysis in maritime transportation. <i>Reliability Engineering and System Safety</i> , 2022 , 219, 108249	6.3	8
164	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	7.8	8
163	Quantitative Analysis on Risk Influencing Factors in the Jiangsu Segment of the Yangtze River. <i>Risk Analysis</i> , 2021 , 41, 1560-1578	3.9	7
162	Review of condition monitoring and fault diagnosis for marine power systems. <i>Transportation Safety and Environment</i> , 2021 , 3, 85-102	2.6	6
161	Bayesian Network modelling for safety management of electric vehicles transported in RoPax ships. <i>Reliability Engineering and System Safety</i> , 2021 , 209, 107466	6.3	21
160	A novel dynamical collaborative optimization method of ship energy consumption based on a spatial and temporal distribution analysis of voyage data. <i>Applied Ocean Research</i> , 2021 , 112, 102657	3.4	4
159	The evaluating on EEDI and fuel consumption of an inland river 800PCC integrated with solar photovoltaic system. <i>Journal of Marine Engineering and Technology</i> , 2021 , 20, 77-92	1.3	7
158	The Role of the Prefrontal Cortex and Functional Connectivity during Maritime Operations: An fNIRS study. <i>Brain and Behavior</i> , 2021 , 11, e01910	3.4	7
157	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	16.2	8
156	Incorporation of human factors into maritime accident analysis using a data-driven Bayesian network. <i>Reliability Engineering and System Safety</i> , 2020 , 203, 107070	6.3	49
155	Maritime accident prevention strategy formulation from a human factor perspective using Bayesian Networks and TOPSIS. <i>Ocean Engineering</i> , 2020 , 210, 107544	3.9	38
154	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	10.6	30
153	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	0.8	6
152	A novel bi-level distributed dynamic optimization method of ship fleets energy consumption. <i>Ocean Engineering</i> , 2020 , 197, 106802	3.9	5
151	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	2.3	8
150	Machine learning-based wear fault diagnosis for marine diesel engine by fusing multiple data-driven models. <i>Knowledge-Based Systems</i> , 2020 , 190, 105324	7.3	38
149	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	3.9	11

148	On the Use of the Hybrid Causal Logic Methodology in Ship Collision Risk Assessment. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 485	2.4	8
147	A novel ship energy efficiency model considering random environmental parameters. <i>Journal of Marine Engineering and Technology</i> , 2020 , 19, 215-228	1.3	8
146	A probabilistic consequence estimation model for collision accidents in the downstream of Yangtze River using Bayesian Networks. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2020 , 234, 422-436	0.8	4
145	Influence of Surface Groove Width on Tribological Performance for Cylinder Liner Piston Ring Components. <i>Tribology Transactions</i> , 2019 , 62, 239-248	1.8	9
144	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	9	86
143	Coupled transverse and torsional vibrations of the marine propeller shaft with multiple impact factors. <i>Ocean Engineering</i> , 2019 , 178, 48-58	3.9	15
142	Effects of thread groove width in cylinder liner surface on performances of diesel engine. <i>Wear</i> , 2019 , 426-427, 1296-1303	3.5	15
141	Modeling human-like decision-making for inbound smart ships based on fuzzy decision trees. <i>Expert Systems With Applications</i> , 2019 , 115, 172-188	7.8	32
140	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	5.8	99
139	Fuzzy logic based approach for ship-bridge collision alert system. <i>Ocean Engineering</i> , 2019 , 187, 106152	3.9	60
138	Optimization-based improved kernel extreme learning machine for rolling bearing fault diagnosis. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	8
137	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	0.5	1
136	Analysis of risk factors influencing the safety of maritime container supply chains. <i>International Journal of Shipping and Transport Logistics</i> , 2019 , 11, 476	1	19
135	The influence of different surface textures on wears in cylinder liner piston rings. <i>Surface Topography: Metrology and Properties</i> , 2019 , 7, 045011	1.5	6
134	Rollover risk assessment and automated control for heavy duty vehicles based on vehicle-to-infrastructure information. <i>IET Intelligent Transport Systems</i> , 2019 , 13, 1001-1010	2.4	7
133	Effect of perturbation amplitudes on water film stiffness coefficients of water-lubricated plain journal bearings based on CFD/BSI methods. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2019 , 233, 1003-1015	1.4	4
132	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	3.7	13
131	Insight into tribological problems of green ship and corresponding research progresses. <i>Friction</i> , 2018 , 6, 472-483	5.6	22

130	Multi-objective path planning for unmanned surface vehicle with currents effects. <i>ISA Transactions</i> , 2018 , 75, 137-156	5.5	95
129	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	2	19
128	Dynamic optimization of ship energy efficiency considering time-varying environmental factors. <i>Transportation Research, Part D: Transport and Environment</i> , 2018 , 62, 685-698	6.4	32
127	Risk influencing factors analysis of Arctic maritime transportation systems: a Chinese perspective. <i>Maritime Policy and Management</i> , 2018 , 45, 439-455	2.5	23
126	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	0.4	9
125	A quantitative approach for risk assessment of a ship stuck in ice in Arctic waters. <i>Safety Science</i> , 2018 , 107, 145-154	5.8	27
124	Resilience in transportation systems: a systematic review and future directions. <i>Transport Reviews</i> , 2018 , 38, 479-498	9.9	104
123	Incorporating evidential reasoning and TOPSIS into group decision-making under uncertainty for handling ship without command. <i>Ocean Engineering</i> , 2018 , 164, 590-603	3.9	83
122	Numerical calculation and experimental research on the ship dynamics of the fluid-structure interaction. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401878234	1.2	
121	Prediction of Sliding Friction Coefficient Based on a Novel Hybrid Molecular-Mechanical Model. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5551-5557	1.3	3
120	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	6.4	54
119	Wear Resistance Properties Reinforcement Using Nano-Al/Cu Composite Coating in Sliding Bearing Maintenance. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2152-2157	1.3	2
118	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	3.9	37
117	A design and experimental investigation of a large-scale solar energy/diesel generator powered hybrid ship. <i>Energy</i> , 2018 , 165, 965-978	7.9	42
116	Effects of seafarers' emotion on human performance using bridge simulation. <i>Ocean Engineering</i> , 2018 , 170, 111-119	3.9	21
115	A Fuzzy Logic Energy Management Strategy for a Photovoltaic/Diesel/Battery Hybrid Ship Based on Experimental Database. <i>Energies</i> , 2018 , 11, 2211	3.1	28
114	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	16.2	32
113	Quantitative assessment of collision risk influence factors in the Tianjin port. <i>Safety Science</i> , 2018 , 110, 363-371	5.8	33

112	An agent-based simulation on navigational capacity of multi-bridge waterways. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2017 , 231, 200-211	0.4	1
111	Clustering of the inland waterway navigational environment and its effects on ship energy consumption. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2017 , 231, 57-69	0.4	1
110	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	0.4	9
109	An Evidential Reasoning-Based CREAM to Human Reliability Analysis in Maritime Accident Process. <i>Risk Analysis</i> , 2017 , 37, 1936-1957	3.9	99
108	Three-Stage Decision-Making Model under Restricted Conditions for Emergency Response to Ships Not under Control. <i>Risk Analysis</i> , 2017 , 37, 2455-2474	3.9	20
107	Numerical modeling and experimental analysis on coupled torsional-longitudinal vibrations of a ship's propeller shaft. <i>Ocean Engineering</i> , 2017 , 136, 272-282	3.9	23
106	A Belief Rule-Based Expert System for Fault Diagnosis of Marine Diesel Engines. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 1-17	7.3	65
105	Safety distance modeling for ship escort operations in Arctic ice-covered waters. <i>Ocean Engineering</i> , 2017 , 146, 202-216	3.9	38
104	Optimized maritime emergency resource allocation under dynamic demand. <i>PLoS ONE</i> , 2017 , 12, e0189411	3.1	6
103	A review of progress and applications of ship shaft-less rim-driven thrusters. <i>Ocean Engineering</i> , 2017 , 144, 142-156	3.9	35
102	A flexible decision-support solution for intervention measures of grounded ships in the Yangtze River. <i>Ocean Engineering</i> , 2017 , 141, 237-248	3.9	20
101	Investigating relationship between deformation behaviours and stick-slip phenomena of polymer material. <i>Wear</i> , 2017 , 376-377, 1333-1338	3.5	27
100	Coupling mechanism between wear and oxidation processes of 304 stainless steel in hydrogen peroxide environments. <i>Scientific Reports</i> , 2017 , 7, 2327	4.9	4
99	PSO-based method for safe sailing route and efficient speeds decision-support for sea-going ships encountering accidents 2017 ,		3
98	A Probabilistic Prediction Model for the Safety Assessment of HDVs Under Complex Driving Environments. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 858-868	6.1	5
97	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	3.9	22
96	A review on human factors in maritime transportation using seafarers' physiological data 2017 ,		4
95	Study on route division for ship energy efficiency optimization based on big environment data 2017 ,		4

94	A distributed model predictive control using virtual field force for multi-ship collision avoidance under COLREGs 2017 ,		3
93	Modelling the collision risk in the Yangtze River using Bayesian networks 2017 ,		1
92	Ship Domain Model for Multi-ship Collision Avoidance Decision-making with COLREGs Based on Artificial Potential Field. <i>TransNav</i> , 2017 , 11, 85-92	1.6	19
91	Charging Station Location Optimization of Electric Ship Based on Backup Coverage Model. <i>TransNav</i> , 2017 , 11, 137-141	1.6	2
90	A novel approach of collision assessment for coastal radar surveillance. <i>Reliability Engineering and System Safety</i> , 2016 , 155, 179-195	6.3	9
89	A Multisource Information System for Monitoring and Improving Ship Energy Efficiency. <i>Journal of Coastal Research</i> , 2016 , 321, 1235-1245	0.6	5
88	The effect of fatigue driving on car following behavior. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016 , 43, 80-89	4.5	26
87	Tribological Properties of Water-lubricated Rubber Materials after Modification by MoS Nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 35023	4.9	48
86	A novel marine radar targets extraction approach based on sequential images and Bayesian Network. <i>Ocean Engineering</i> , 2016 , 120, 64-77	3.9	19
85	Selection of maritime safety control options for NUC ships using a hybrid group decision-making approach. <i>Safety Science</i> , 2016 , 88, 108-122	5.8	38
84	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	3.9	50
83	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	5.8	68
82	Modeling mechanism of a novel fractional grey model based on matrix analysis. <i>Journal of Systems Engineering and Electronics</i> , 2016 , 27, 1040-1053	1.3	3
81	Maritime Transportation Risk Assessment of Tianjin Port with Bayesian Belief Networks. <i>Risk Analysis</i> , 2016 , 36, 1171-87	3.9	82
80	A Fuzzy Event Tree Model for Accident Scenario Analysis of Ship Stuck in Ice in Arctic Waters 2016 ,		2
79	Numerical and experimental analysis of coupled transverse and longitudinal vibration of a marine propulsion shaft. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 5405-5412	1.6	13
78	CPA Calculation Method based on AIS Position Prediction. <i>Journal of Navigation</i> , 2016 , 69, 1409-1426	2.3	19
77	Safety assessment for inland waterway transportation with an extended fuzzy TOPSIS. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2016 , 230, 323-333	0.8	3

76	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	3.5	31
75	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	6.4	42
74	Towards a probabilistic model for predicting ship besetting in ice in Arctic waters. <i>Reliability Engineering and System Safety</i> , 2016 , 155, 124-136	6.3	61
73	Sensitivity of Lane Position and Steering Angle Measurements to Driver Fatigue. <i>Transportation Research Record</i> , 2016 , 2585, 67-76	1.7	9
72	A novel flexible model for piracy and robbery assessment of merchant ship operations. <i>Reliability Engineering and System Safety</i> , 2016 , 155, 196-211	6.3	40
71	The dynamics of ship propulsion unit-large hull-water interactions. <i>Ocean Engineering</i> , 2016 , 124, 349-362	3.9	11
70	Some Properties of a Class of RLCM Active Networks Over F(z). <i>Journal of Circuits, Systems and Computers</i> , 2016 , 25, 1650158	0.9	
69	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, 232-42	6.1	28
68	Study on wear behaviours for NBR/stainless steel under sand water-lubricated conditions. <i>Wear</i> , 2015 , 332-333, 1012-1020	3.5	48
67	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	0.8	1
66	An Analysis and Design of the Structural Controllability of Active Networks Over F(z). <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 1550081	0.9	0
65	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	0.9	4
64	Design of ship energy efficiency monitoring and control system considering environmental factors 2015 ,		2
63	Contribution of wind forces to rollover stability of heavy duty vehicle 2015 ,		3
62	A distributed anti-collision decision support formulation in multi-ship encounter situations under COLREGs. <i>Ocean Engineering</i> , 2015 , 105, 336-348	3.9	93
61	Tribological properties of aged nitrile butadiene rubber under dry sliding conditions. <i>Wear</i> , 2015 , 322-323, 226-237	3.5	60
60	Multi-agent Based Power and Energy Management System for Hybrid Ships 2015 ,		5
59	Study of on-line condition monitoring and fault feature extraction for marine diesel engines based on tribological information. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2015 , 229, 291-300	0.8	8

58	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	0.5	19
57	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	1	3
56	Reliability model based on stress-strength interference for marine propulsion shafting 2015 ,		1
55	Evaluation of the effectiveness of auditory speeding warnings for commercial passenger vehicles: A field study in Wuhan, China. <i>IET Intelligent Transport Systems</i> , 2015 , 9, 467-476	2.4	6
54	Study and Simulation on the Energy Efficiency Management Control Strategy of Ship Based on Clean Propulsion System 2015 ,		1
53	Theoretical model research on I-V characteristics of solar cell under the marine environment 2015 ,		1
52	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	8.4	21
51	Safety management performance assessment for Maritime Safety Administration (MSA) by using generalized belief rule base methodology. <i>Safety Science</i> , 2014 , 63, 157-167	5.8	35
50	Study on wear behaviour and wear model of nitrile butadiene rubber under water lubricated conditions. <i>RSC Advances</i> , 2014 , 4, 19034-19042	3.7	28
49	3D Surface Characterizations of Wear Particles Generated from Lubricated Regular Concave Cylinder Liners. <i>Tribology Letters</i> , 2014 , 55, 131-142	2.8	12
48	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	1.7	15
47	Dynamic Interaction Analysis of a 2D Propulsion Shaft-Ship Hull System Subjected by Sea Wave 2014 ,		1
46	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	0.8	17
45	Challenges and Developments in Navigational Risk Assessment With Large Uncertainty 2014 ,		4
44	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	2.8	54
43	Analysis of the operational energy efficiency for inland river ships. <i>Transportation Research, Part D: Transport and Environment</i> , 2013 , 22, 34-39	6.4	49
42	Assessment model for tribological property of ceramic/stainless steel rubbing pairs in H ₂ O ₂ solution. <i>Science China Technological Sciences</i> , 2013 , 56, 3017-3023	3.5	6
41	The Hardware-in-the-loop Simulator: A Mechatronic Testbed for Cooperative Vehicles Maneuvers. <i>International Journal of Intelligent Transportation Systems Research</i> , 2013 , 11, 11-22	1.4	6

40	A spatial-temporal forensic analysis for inland water ship collisions using AIS data. <i>Safety Science</i> , 2013 , 57, 187-202	5.8	63
39	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	4.6	105
38	Study on data fusion of multi-dimensional sensors for health monitoring of rolling bearings. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2013 , 55, 147-151	1.3	9
37	A Quantificational Description Method of Vessel Track Based on AIS Data 2013 ,		1
36	Considering Variable Road Geometry in Adaptive Vehicle Speed Control. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-12	1.1	9
35	Marine CM: Condition identification of the cylinder liner-piston ring in a marine diesel engine using bispectrum analysis and artificial neural networks. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2013 , 55, 621-626	1.3	5
34	Research and Development of Intelligent Transportation Systems 2012 ,		29
33	Intelligent fault diagnosis method for marine diesel engines using instantaneous angular speed. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 2413-2423	1.6	66
32	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	2.8	45
31	A Research on the Influence of Vessel-Propeller Coupling Effect to Shaft's Lateral Vibration. <i>Applied Mechanics and Materials</i> , 2012 , 226-228, 106-112	0.3	2
30	Turbocharged Two-Stroke Diesel Engine of Large Vessels Modeling and Simulation. <i>Applied Mechanics and Materials</i> , 2012 , 235, 233-238	0.3	0
29	Ship electric propulsion with a sensorless permanent magnet synchronous motor: A simulation study. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2012 , 226, 378-386	0.4	2
28	Non-destructive testing of marine diesel engines using integration of ferrographic analysis and spectrum analysis. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2012 , 54, 394-398	1.3	6
27	Condition Monitoring and Fault Diagnosis for Marine Diesel Engines using Information Fusion Techniques. <i>Elektronika Ir Elektrotechnika</i> , 2012 , 123,	1.7	10
26	A NEW DATA MINING APPROACH FOR GEAR CRACK LEVEL IDENTIFICATION BASED ON MANIFOLD LEARNING. <i>Mechanika</i> , 2012 , 18,	1.5	11
25	A Recognition Model for Acceleration Intention of Automobile Drivers Based on Fuzzy Clustering 2011 ,		2
24	A Study on Chinese Motorists' Operational Behavior in Angry Driving 2011 ,		3
23	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	1.2	60

22	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	5.8	24
21	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	7.8	94
20	Design and verification of a laser based device for pavement macrotexture measurement. <i>Transportation Research Part C: Emerging Technologies</i> , 2011 , 19, 682-694	8.4	29
19	Study on tribological properties of Al ₂ O ₃ ceramics/1Cr18Ni9Ti stainless steel rubbing pairs in H ₂ O ₂ solutions. <i>Lubrication Science</i> , 2011 , 23, 41-48	1.3	6
18	A Novel Approach for PC-Based Test and Measurement Applications Development with Autonomous Sensors. <i>Advanced Materials Research</i> , 2011 , 201-203, 2014-2018	0.5	
17	Gear Multi-Faults Diagnosis of a Rotating Machinery Based on Independent Component Analysis and Fuzzy K-Nearest Neighbor. <i>Advanced Materials Research</i> , 2010 , 108-111, 1033-1038	0.5	18
16	Bi-level programming based contra flow optimization for evacuation events. <i>Kybernetes</i> , 2010 , 39, 1227-1234		12
15	Research on the Technology for Improving Safe Awareness Based on Driving Simulator 2010 ,		2
14	A New Method of Nonlinear Feature Extraction for Multi-Fault Diagnosis of Rotor Systems. <i>Noise and Vibration Worldwide</i> , 2010 , 41, 29-37	0.8	10
13	Gear faults diagnosis based on wavelet-AR model and PCA 2010 ,		3
12	Research on Intelligent Vehicle platoon Driving Simulation Experiment System under the Coordination between Vehicle and Highway. <i>Journal of Computers</i> , 2010 , 5,	1.4	3
11	A modified DV-Hop localization algorithm for wireless sensor networks 2009 ,		2
10	Numerical surface characterization of wear debris from artificial joints using atomic force microscopy. <i>Science Bulletin</i> , 2009 , 54, 4583-4588	10.6	10
9	Severity Analyses of Single-Vehicle Crashes Based on Rough Set Theory 2009 ,		2
8	Data Mining for Bibliometric Analysis of Traffic Flow 2009 ,		1
7	An inexact optimization model for evacuation planning. <i>Kybernetes</i> , 2009 , 38, 1676-1683	2	2
6	A Multiclass, Multimode Traffic Assignment Model Considering Emission under Various Engine Operating Modes 2008 ,		1
5	Optimization Model for Traffic Signal Control with Environmental Objectives 2008 ,		10

4	Pavement Distress Image Automatic Classification Based on DENSITY-Based Neural Network. <i>Lecture Notes in Computer Science</i> , 2006 , 685-692	0.9	10
3	Surface Characterization Using Wavelet Theory and Confocal Laser Scanning Microscopy. <i>Journal of Tribology</i> , 2005 , 127, 394-404	1.8	36
2	FAULT DETECTION IN A DIESEL ENGINE BY ANALYSING THE INSTANTANEOUS ANGULAR SPEED. <i>Mechanical Systems and Signal Processing</i> , 2001 , 15, 549-564	7.8	87
1	Multi-feature learning-based extreme learning machine for rolling bearing fault diagnosis. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 1748006X2110485	0.8	485