Kai Wang

List of Publications by Year
in descending order

19 papers	346 citations	1039406 9 h-index	1281420 11 g-index
19 all docs	19 docs citations	19 times ranked	201 citing authors

#	ARTICLE	IF	CITATIONS
1	Marine Systems and Equipment Prognostics and Health Management: A Systematic Review from Health Condition Monitoring to Maintenance Strategy. Machines, 2022, 10, 72.	1.2	22
2	Joint energy consumption optimization method for wing-diesel engine-powered hybrid ships towards a more energy-efficient shipping. Energy, 2022, 245, 123155.	4.5	20
3	A Study of Hybrid Predictions Based on the Synthesized Health Indicator for Marine Systems and Their Equipment Failure. Applied Sciences (Switzerland), 2022, 12, 3329.	1.3	0
4	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
5	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.	1.9	28
6	A novel bi-level distributed dynamic optimization method of ship fleets energy consumption. Ocean Engineering, 2020, 197, 106802.	1.9	14
7	An Energy Efftciency optimization Methodfor Inland Ship Fleet Considering Multiple Influencing Factors. , 2019, , .		1
8	Dynamic optimization of ship energy efficiency considering time-varying environmental factors. Transportation Research, Part D: Transport and Environment, 2018, 62, 685-698.	3.2	63
9	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.	0.3	16
10	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.	1.9	71
11	PSO-based method for safe sailing route and efficient speeds decision-support for sea-going ships encountering accidents. , 2017, , .		8
12	Study on route division for ship energy efficiency optimization based on big environment data. , 2017, , .		7
13	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.	3.2	67
14	Multi-agent Based Power and Energy Management System for Hybrid Ships. , 2015, , .		8
15	Design and development of Canal ship based on overhead wires. , 2015, , .		0
16	Study and Simulation on the Energy Efficiency Management Control Strategy of Ship Based on Clean Propulsion System. , 2015, , .		3
17	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.	0.6	4
18	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

#	Article	IF	Citations
19	Design of ship energy efficiency monitoring and control system considering environmental factors. , 2015, , .		2