

Kai Wang

List of Publications by Year in descending order

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19
papers

346
citations

1039406

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h-index

1281420

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g-index

19
all docs

19
docs citations

19
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Marine Systems and Equipment Prognostics and Health Management: A Systematic Review from Health Condition Monitoring to Maintenance Strategy. <i>Machines</i> , 2022, 10, 72.	1.2	22
6	Joint energy consumption optimization method for wing-diesel engine-powered hybrid ships towards a more energy-efficient shipping. <i>Energy</i> , 2022, 245, 123155.	4.5	20
7	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
8	A novel bi-level distributed dynamic optimization method of ship fleets energy consumption. <i>Ocean Engineering</i> , 2020, 197, 106802.	1.9	14
9	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.	1.8	11
10	Multi-agent Based Power and Energy Management System for Hybrid Ships. , 2015, , .		8
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	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
14	Study and Simulation on the Energy Efficiency Management Control Strategy of Ship Based on Clean Propulsion System. , 2015, , .		3
15	Design of ship energy efficiency monitoring and control system considering environmental factors. , 2015, , .		2
16	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.	1.0	1
17	An Energy Efficiency optimization Method for Inland Ship Fleet Considering Multiple Influencing Factors. , 2019, , .		1
18	Design and development of Canal ship based on overhead wires. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	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