

Zhiyuan Li

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

243
citations

1163117

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128
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving surface resistance to wear and corrosion of nickel–aluminum bronze by laser-clad TaC/Co-based alloy composite coatings. <i>Surface and Coatings Technology</i> , 2021, 405, 126592.	4.8	35
2	Time-domain fatigue assessment of ship side-shell structures. <i>International Journal of Fatigue</i> , 2013, 55, 276-290.	5.7	32
3	Ship resistance when operating in floating ice floes: Derivation, validation, and application of an empirical equation. <i>Marine Structures</i> , 2021, 79, 103057.	3.8	31
4	A comparative study of fatigue assessments of container ship structures using various direct calculation approaches. <i>Ocean Engineering</i> , 2014, 82, 65-74.	4.3	26
5	A voyage planning tool for ships sailing between Europe and Asia via the Arctic. <i>Ships and Offshore Structures</i> , 2020, 15, S10-S19.	1.9	25
6	An Arctic ship performance model for sea routes in ice-infested waters. <i>Applied Ocean Research</i> , 2021, 117, 102950.	4.1	15
7	A comparison of two ship performance models against full-scale measurements on a cargo ship on the Northern Sea Route. <i>Ships and Offshore Structures</i> , 2021, 16, 237-244.	1.9	14
8	Reduction in ultimate strength capacity of corroded ships involved in collision accidents. <i>Ships and Offshore Structures</i> , 2018, 13, 155-166.	1.9	11
9	Fatigue routing of container ships—assessment of contributions to fatigue damage from wave-induced torsion and horizontal and vertical bending. <i>Ships and Offshore Structures</i> , 2012, 7, 119-131.	1.9	8
10	Theoretical development and validation of a fatigue model for ship routing. <i>Ships and Offshore Structures</i> , 2012, 7, 399-415.	1.9	8
11	Microstructure and properties of Ni-based self-lubricating coatings by laser cladding/friction stir processing. <i>Optik</i> , 2021, 241, 166143.	2.9	8
12	A regression and beam theory based approach for fatigue assessment of containership structures including bending and torsion contributions. <i>Marine Structures</i> , 2015, 41, 244-266.	3.8	7
13	Application of a ship-routing fatigue model to case studies of 2800 TEU and 4400 TEU container vessels. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2012, 226, 222-234.	0.5	5
14	Linear and nonlinear FE analyses of a container vessel in harsh sea state. <i>Ships and Offshore Structures</i> , 2015, 10, 20-30.	1.9	5
15	Evaluation of wear and corrosion resistances of laser cladding TaC/TiC/Stellite X-40 Co-based composite coatings on copper surface. <i>Materials Technology</i> , 2022, 37, 980-991.	3.0	5
16	Estimation of Wave Loading Induced Fatigue Accumulation and Extreme Response of a Container Ship in Severe Seas. , 2010, , .		2
17	Research on Optimization Design of Fully Parameterized Pump-Jet Propulsion. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 766.	2.6	2
18	Assessment of Full-Scale Measurements With Regard to Extreme Hogging and Sagging Condition of Container Ships. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	Fatigue Variation in Ships due to the Variability of Environmental Loads. , 2012, , .		1
20	Ship Resistance When Operating in Floating Ice Floes: A Derivation of Empirical Equations. , 2020, , .		1
21	Direct Calculation of Fatigue Damage of Ship Structure Details. , 2011, , .		0
22	A Comparison of Direct Calculation Approaches Applied on the Fatigue Strength Assessment of a Panamax Container Ship. , 2012, , .		0
23	An Efficient Direct Calculation Approach for Fatigue Assessment of Container Ships Concerning Bending and Warping Stresses. , 2014, , .		0
24	Fatigue Damage Assessment of Container Ships Concerning Wave-Induced Torsion. , 2010, , .		0