Pero Prebeg

List of Publications by Year
in descending order

21 papers	273 citations	1307594 7 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	309 citing authors

#	Article	IF	Citations
1	An Open-Source Processing Pipeline for Quad-Dominant Mesh Generation for Class-Compliant Ship Structural Analysis. Journal of Marine Science and Engineering, 2022, 10, 209.	2.6	0
2	Influence of different topological variants on optimized structural scantlings of passenger ship. Marine Structures, 2021, 78, 102981.	3.8	7
3	Structural optimisation of a bulk carrier according to IACS CSR-BC. Ships and Offshore Structures, 2020, 15, 123-137.	1.9	6
4	Post-accidental structural reliability of double-hull oil tanker with near realistic collision damage shapes. Ships and Offshore Structures, 2020, 15, S190-S207.	1.9	4
5	Challenges and opportunities of zero emission shipping in smart islands: A study of zero emission ferry lines. ETransportation, 2020, 3, 100048.	14.8	47
6	Current State of Development of Ship Structural Design and Optimization Methods. Journal of Maritime & Transportation Science, 2020, 3, 171-187.	0.1	0
7	Multi-level Pareto supported design methodology- application to RO-PAX structural design. Marine Structures, 2019, 67, 102638.	3.8	6
8	Numerical study on the consequences of different ship collision modelling techniques. Ships and Offshore Structures, 2019, 14, 387-400.	1.9	19
9	Structural analysis and design of a car carrier with composite sandwich deck panels. Ships and Offshore Structures, 2019, 14, 171-186.	1.9	8
10	Low-cycle fatigue of ship hull damaged in collision. Engineering Failure Analysis, 2019, 96, 436-454.	4.0	18
11	Structural design and analysis of a large â€˜open typeâ€™ livestock carrier. Ships and Offshore Structures, 2018, 13, 167-181.	1.9	7
12	Reduced finite element models for mast analysis. , 2017, , 155-164.		1
13	Long-term energy planning of Croatian power system using multi-objective optimization with focus on renewable energy and integration of electric vehicles. Applied Energy, 2016, 184, 1493-1507.	10.1	90
14	Optimization of tetanus toxoid ammonium sulfate precipitation process using response surface methodology. Preparative Biochemistry and Biotechnology, 2016, 46, 695-703.	1.9	5
15	Application of a surrogate modeling to the ship structural design. Ocean Engineering, 2014, 84, 259-272.	4.3	29
16	Ship Structural Design Support Methodology for the Reliability Based Design Optimization (RBDO). , 2014, , .		0
17	Design synthesis of complex ship structures. Ships and Offshore Structures, 2013, 8, 383-403.	1.9	18
18	Safety as Objective in Multicriterial Structural Optimization. , 2010, , .		3

#	Article	IF	Citations
19	Design environment for structural design: Application to modern multideck ships. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2009, 223, 105-120.	0.5	3
20	The Design Methodology with the Sequencer for Efficient Design Synthesis of Complex Engineering Systems. , 2009, , .		1
21	Adaptation of FEM-based open-source software for ship structural analysis. Ships and Offshore Structures, 0, , 1-12.	1.9	1