

Carlos Guedes Soares

List of Publications by Year in descending order

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Version: 2024-02-01

1,336
papers

34,960
citations

6250

80
h-index

22147

113
g-index

1398
all docs

1398
docs citations

1398
times ranked

11615
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of extratropical cyclone intensity and speed on the extreme wave trends in the Atlantic Ocean. <i>Climate Dynamics</i> , 2023, 60, 1447-1466.	1.7	5
2	Experimental and numerical study on the penetration of stiffened aluminium alloy plates punched by a hemi-cylindrical indenter. <i>Ships and Offshore Structures</i> , 2022, 17, 492-505.	0.9	4
3	Ultimate strength of stiffened panels with a crack and pits under uni-axial longitudinal compression. <i>Ships and Offshore Structures</i> , 2022, 17, 319-338.	0.9	4
4	Experimental and numerical analysis of dynamic failure of welded aluminium alloy plates under air blast loading. <i>Ships and Offshore Structures</i> , 2022, 17, 531-540.	0.9	5
5	Friction stir welding induced residual stresses in thick steel plates from experimental and numerical analysis. <i>Ships and Offshore Structures</i> , 2022, 17, 1053-1061.	0.9	4
6	Application of layerwise HSDT and fracture analysis in the ultimate strength of composite plates with delamination in bending. <i>International Journal of Solids and Structures</i> , 2022, 234-235, 111263.	1.3	2
7	Maritime traffic probabilistic prediction based on ship motion pattern extraction. <i>Reliability Engineering and System Safety</i> , 2022, 217, 108061.	5.1	41
8	Casualty analysis methodology and taxonomy for FPSO accident analysis. <i>Reliability Engineering and System Safety</i> , 2022, 218, 108169.	5.1	12
9	Bayesian framework for reliability prediction of subsea processing systems accounting for influencing factors uncertainty. <i>Reliability Engineering and System Safety</i> , 2022, 218, 108143.	5.1	21
10	Optimal design of an axisymmetric two-body wave energy converter with translational hydraulic power take-off system. <i>Renewable Energy</i> , 2022, 183, 586-600.	4.3	9
11	Cartesian spatial derivatives of boundary element solutions on the exact free surface of fully nonlinear numerical wave tanks. <i>Engineering Analysis With Boundary Elements</i> , 2022, 134, 532-538.	2.0	1
12	Uncertainty analyses on the CFD-FAE co-simulations of ship wave loads and whipping responses. <i>Marine Structures</i> , 2022, 82, 103129.	1.6	14
13	Life-extension classification of offshore wind assets using unsupervised machine learning. <i>Reliability Engineering and System Safety</i> , 2022, 219, 108229.	5.1	18
14	Review of techniques and challenges of human and organizational factors analysis in maritime transportation. <i>Reliability Engineering and System Safety</i> , 2022, 219, 108249.	5.1	62
15	Selection of countermeasure portfolio for shipping safety with consideration of investment risk aversion. <i>Reliability Engineering and System Safety</i> , 2022, 219, 108189.	5.1	1
16	Implementation of a multi-grid operational wave forecast in the South Atlantic Ocean. <i>Ocean Engineering</i> , 2022, 243, 110173.	1.9	9
17	Submerged breakwater of a flexible porous membrane with a vertical flexible porous wall over variable bottom topography. <i>Ocean Engineering</i> , 2022, 243, 109989.	1.9	9
18	Hybrid-laser welding-induced distortions and residual stresses analysis of large-scale stiffener panel. <i>Ocean Engineering</i> , 2022, 245, 110411.	1.9	10

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19	Application of Monte Carlo and Fuzzy Analytic Hierarchy Processes for ranking floating wind farm locations. <i>Ocean Engineering</i> , 2022, 245, 110453.	1.9	44
20	A novel multi-criteria decision-making model to evaluate floating wind farm locations. <i>Renewable Energy</i> , 2022, 185, 431-454.	4.3	28
21	Effect of initial condition uncertainty on the profile of maximum wave. <i>Marine Structures</i> , 2022, 82, 103127.	1.6	4
22	A new buckle initiation concept based on the energy barrier of subsea pipelines laid on the sloping seabed. <i>Marine Structures</i> , 2022, 82, 103155.	1.6	0
23	Effect of Ovality Length on Collapse Strength of Imperfect Sandwich Pipes Due to Local Buckling. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 12.	1.2	7
24	Head Wave Simulation of a KRISO Container Ship Model Using OpenFOAM for the Assessment of Sea Margin. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2022, 144, .	0.6	3
25	Numerical Simulation of Wave Interaction With a Pair of Fixed Large Tandem Cylinders Subjected to Regular, Non-Breaking Waves. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2022, 144, .	0.6	0
26	Assessment of metocean forecasts for Hurricane Lorenzo in the Azores Archipelago. <i>Ocean Engineering</i> , 2022, 243, 110292.	1.9	5
27	Statistical distributions of nonlinear waves from random laboratory wave fields. <i>Ocean Engineering</i> , 2022, 243, 110170.	1.9	3
28	Experimental and numerical analysis of the ultimate compressive strength of double-deck structures with a large opening. <i>Ships and Offshore Structures</i> , 2022, 17, 2788-2801.	0.9	2
29	The influence of the Arctic Oscillation on North Atlantic wind and wave climate by the end of the 21st century. <i>Ocean Engineering</i> , 2022, 246, 110634.	1.9	5
30	Ship collision avoidance behaviour recognition and analysis based on AIS data. <i>Ocean Engineering</i> , 2022, 245, 110479.	1.9	37
31	Numerical investigation of the Fourier-Kochin theory for wave-induced response estimation of floating structures. <i>Ocean Engineering</i> , 2022, 247, 110562.	1.9	1
32	Experimental study of wave energy converter arrays adapted to a semi-submersible wind platform. <i>Renewable Energy</i> , 2022, 188, 145-163.	4.3	30
33	Integrating Short Sea Shipping with Trans-European Transport Networks. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 218.	1.2	8
34	The effect of general and localized corrosions on the collapse pressure of subsea pipelines. <i>Ocean Engineering</i> , 2022, 247, 110719.	1.9	22
35	Numerical Study on the Mooring Force in an Offshore Fish Cage Array. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 331.	1.2	19
36	Comparison of multicriteria analysis techniques for decision making on floating offshore wind farms site selection. <i>Ocean Engineering</i> , 2022, 248, 110751.	1.9	23

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37	Three-Dimensional Effects on Slamming Loads on a Free-Falling Bow-Flare Cylinder Into Calm Water. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2022, 144, .	0.6	4
38	Uncertainty in Collapse Strength Prediction of Sandwich Pipelines. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2022, 144, .	0.6	3
39	Influence of the power take-off damping of a dual chamber floating oscillating water column on the mooring fatigue damage. <i>Ocean Engineering</i> , 2022, 249, 110832.	1.9	8
40	Reflecting the uncertainties of ensemble weather forecasts on the predictions of ship fuel consumption. <i>Ocean Engineering</i> , 2022, 250, 111009.	1.9	12
41	Framework and application of multi-criteria ship collision risk assessment. <i>Ocean Engineering</i> , 2022, 250, 111006.	1.9	12
42	Convergence analysis of hydrodynamic coefficients estimation using regularization filter functions on free-running ship model tests with noise. <i>Ocean Engineering</i> , 2022, 250, 111012.	1.9	8
43	Experimental and numerical investigation on the ultimate strength of a ship hull girder model with deck openings. <i>Marine Structures</i> , 2022, 83, 103175.	1.6	6
44	Effects of dynamic axial stiffness of elastic moorings for a wave energy converter. <i>Ocean Engineering</i> , 2022, 251, 111132.	1.9	11
45	Numerical investigation of inline wave force on a truncated vertical cylinder with different cross-sections in regular head waves. <i>Ocean Engineering</i> , 2022, 251, 111063.	1.9	6
46	Uncertainties in long-term wave modelling. <i>Marine Structures</i> , 2022, 84, 103217.	1.6	20
47	Benchmark study of global linear wave loads on a container ship with forward speed. <i>Marine Structures</i> , 2022, 84, 103162.	1.6	17
48	A CFD approach for numerical assessment of hydrodynamic coefficients of an inclined prism near the sea bottom. <i>Ocean Engineering</i> , 2022, 252, 111140.	1.9	7
49	Numerical analysis of a moored very large floating structure composed by a set of hinged plates. <i>Ocean Engineering</i> , 2022, 253, 110785.	1.9	11
50	Distribution of average extreme wave parameters in the North Atlantic from numerical simulations. <i>Ocean Engineering</i> , 2022, 253, 110901.	1.9	3
51	3D hydroelastic modelling of fluid-structure interactions of porous flexible structures. <i>Journal of Fluids and Structures</i> , 2022, 112, 103588.	1.5	6
52	A real-time inspection and opportunistic maintenance strategies for floating offshore wind turbines. <i>Ocean Engineering</i> , 2022, 256, 111433.	1.9	78
53	Experimental and numerical investigation on a double hull structure subject to collision. <i>Ocean Engineering</i> , 2022, 256, 111437.	1.9	3
54	Uncertainty estimation of mesh-free and mesh-based simulations of the dynamics of floaters. <i>Ocean Engineering</i> , 2022, 256, 111386.	1.9	7

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55	A method to extract the Quaternion Ship Domain parameters from AIS data. <i>Ocean Engineering</i> , 2022, 257, 111568.	1.9	16
56	Opportunities and Challenges to Develop Digital Twins for Subsea Pipelines. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 739.	1.2	17
57	Lateral Buckling of Subsea Pipelines Triggered by Sleeper with a Nonlinear Pipe-Soil Interaction Model. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 757.	1.2	6
58	Epistemic uncertainties on the estimation of minimum air gap for semi-submersible platforms. <i>Marine Structures</i> , 2022, 85, 103244.	1.6	3
59	Analytical study on the upheaval thermal buckling of sandwich pipes. <i>Marine Structures</i> , 2022, 85, 103245.	1.6	10
60	Evaluation of the Stiffness Mechanism on the Performance of a Hinged Wave Energy Converter. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2022, 144, .	0.6	1
61	Multi-ship collision avoidance decision-making and coordination mechanism in Mixed Navigation Scenarios. <i>Ocean Engineering</i> , 2022, 257, 111666.	1.9	26
62	Analytical and numerical analysis of slamming induced vibrations on composite plates. <i>Ocean Engineering</i> , 2022, 258, 111643.	1.9	4
63	Failure assessment of corroded ultra-high strength pipelines under combined axial tensile loads and internal pressure. <i>Ocean Engineering</i> , 2022, 257, 111438.	1.9	7
64	A stochastic optimization approach for the supply vessel planning problem under uncertain demand. <i>Transportation Research Part B: Methodological</i> , 2022, 162, 209-228.	2.8	3
65	Experimental and numerical investigation on composite single-lap single-bolt sandwich joints with different geometric parameters. <i>Marine Structures</i> , 2022, 85, 103259.	1.6	10
66	Pseudo-shakedown of rectangular plates under repeated impacts. <i>Marine Structures</i> , 2022, 85, 103258.	1.6	11
67	Aerodynamic Load Prediction on a Patrol Vessel Using Computational Fluid Dynamics. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 935.	1.2	4
68	Market Needs, Opportunities and Barriers for the Floating Wind Industry. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 934.	1.2	25
69	Experimental and numerical analysis of crack growth in stiffened panels. <i>Ships and Offshore Structures</i> , 2021, 16, 980-992.	0.9	6
70	Quantitative Analysis on Risk Influencing Factors in the Jiangsu Segment of the Yangtze River. <i>Risk Analysis</i> , 2021, 41, 1560-1578.	1.5	16
71	Evaluation of extreme storm waves in the Black Sea. <i>Journal of Operational Oceanography</i> , 2021, 14, 114-128.	0.6	5
72	Experimental and numerical analysis of the penetration of welded aluminium alloy panels. <i>Ships and Offshore Structures</i> , 2021, 16, 492-504.	0.9	8

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73	Numerical Analysis of Stress Concentration in Non-uniformly Corroded Small-Scale Specimens. <i>Journal of Marine Science and Application</i> , 2021, 20, 1-9.	0.7	9
74	Strain-based fatigue reliability assessment of welded joints in ship structures. <i>Marine Structures</i> , 2021, 75, 102878.	1.6	20
75	Experimental results of the cooperative operation of autonomous surface vehicles navigating in complex marine environment. <i>Ocean Engineering</i> , 2021, 219, 108256.	1.9	18
76	Experimental study on the dynamic behavior of beams under repeated impacts. <i>International Journal of Impact Engineering</i> , 2021, 147, 103724.	2.4	27
77	L1 adaptive backstepping control for path-following of underactuated marine surface ships. <i>European Journal of Control</i> , 2021, 58, 357-372.	1.6	37
78	Cruise shipping in the Atlantic coast of the Iberian Peninsula. <i>Maritime Policy and Management</i> , 2021, 48, 129-145.	1.9	5
79	A quantitative decision-making model for emergency response to oil spill from ships. <i>Maritime Policy and Management</i> , 2021, 48, 299-315.	1.9	27
80	Improved effective notch strain approach for fatigue reliability assessment of load-carrying fillet welded cruciform joints in low and high cycle fatigue. <i>Marine Structures</i> , 2021, 75, 102849.	1.6	16
81	Fatigue strength of EH36 steel welded joints and base material at low-temperature. <i>International Journal of Fatigue</i> , 2021, 142, 105896.	2.8	18
82	A developed failure mode and effect analysis for floating offshore wind turbine support structures. <i>Renewable Energy</i> , 2021, 164, 133-145.	4.3	89
83	Experimental and numerical investigation on welding simulation of long stiffened steel plate specimen. <i>Marine Structures</i> , 2021, 75, 102824.	1.6	18
84	Theoretical investigation on hub structure design of subsea connectors. <i>Thin-Walled Structures</i> , 2021, 159, 107036.	2.7	8
85	Imperfection study on lateral thermal buckling of subsea pipeline triggered by a distributed buoyancy section. <i>Marine Structures</i> , 2021, 76, 102916.	1.6	8
86	Analysis of structural crashworthiness of double-hull ships in collision and grounding. <i>Marine Structures</i> , 2021, 76, 102898.	1.6	19
87	A novel real-time collision risk awareness method based on velocity obstacle considering uncertainties in ship dynamics. <i>Ocean Engineering</i> , 2021, 220, 108436.	1.9	59
88	Hydraulic Power Take-Off concept for the M4 Wave Energy Converter. <i>Applied Ocean Research</i> , 2021, 106, 102462.	1.8	8
89	Influence of the shape of a buoy on the efficiency of its dual-motion wave energy conversion. <i>Energy</i> , 2021, 214, 118998.	4.5	26
90	Coupled Engine-Propeller Selection Procedure to Minimize Fuel Consumption at a Specified Speed. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 59.	1.2	20

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91	The Development of a Combined Method to Quickly Assess Ship Speed and Fuel Consumption at Different Powertrain Load and Sea Conditions. <i>TransNav</i> , 2021, 15, 437-444.	0.3	1
92	Neural Network Approach for Predicting Ship Speed and Fuel Consumption. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 119.	1.2	51
93	Numerical study on the influence of experimental conditions on the collapse behaviour of stiffened panels. <i>Ocean Engineering</i> , 2021, 220, 108410.	1.9	4
94	Investigation on abnormal wave dynamics in regular and irregular sea states. <i>Ocean Engineering</i> , 2021, 222, 108602.	1.9	5
95	On the Accuracy of Voluntary Observing Ship's Records. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021, 143, .	0.6	3
96	Finite Element Analysis of the Effect of Currents on the Dynamics of a Moored Flexible Cylindrical Net Cage. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 159.	1.2	20
97	Relation Between Atmospheric Circulation Patterns in the North Atlantic and the Sea States in the Iberian Peninsula. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021, 143, .	0.6	2
98	A Multi-Criteria Approach to Evaluate Floating Offshore Wind Farms Siting in the Canary Islands (Spain). <i>Energies</i> , 2021, 14, 865.	1.6	42
99	Extreme Waves in the Agulhas Current Region Inferred from SAR Wave Spectra and the SWAN Model. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 153.	1.2	10
100	Effect of long-term moisture exposure on impact response of glass-reinforced vinylester. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2021, 235, 854-865.	0.3	1
101	Impact of heavy biofouling on a nearshore heave-pitch-roll wave buoy performance. <i>Applied Ocean Research</i> , 2021, 107, 102500.	1.8	13
102	Review and Prospects for Autonomous Observing Systems in Vessels of Opportunity. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 366.	1.2	5
103	Operational Wave Forecast Selection in the Atlantic Ocean Using Random Forests. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 298.	1.2	13
104	Influence of long-term moisture exposure and impact damage on the residual compressive strength of glass-reinforced vinylester. <i>Composite Structures</i> , 2021, 260, 113525.	3.1	4
105	Hydrodynamic Investigation of a Novel Concept of Oscillating Water Column Type Wave Energy Converter Device. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021, 143, .	0.6	7
106	Numerical investigation of ship motions in cross waves using CFD. <i>Ocean Engineering</i> , 2021, 223, 108711.	1.9	23
107	Evaluation of spectral methods for long term fatigue damage analysis of synthetic fibre mooring ropes based on experimental data. <i>Ocean Engineering</i> , 2021, 226, 108842.	1.9	9
108	Ultimate strength of a cracked stiffened panel repaired by CFRP and stop holes. <i>Ocean Engineering</i> , 2021, 226, 108850.	1.9	9

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109	Oilfield development system optimization under reservoir production uncertainty. Ocean Engineering, 2021, 225, 108758.	1.9	16
110	Marine Climate Projections Toward the End of the Twenty-First Century in the North Atlantic. Journal of Offshore Mechanics and Arctic Engineering, 2021, 143, .	0.6	9
111	A general framework of higher-order shear deformation theories with a novel unified plate model for composite laminated and FGM plates. Composite Structures, 2021, 261, 113560.	3.1	22
112	The impact of container terminal relocation on hinterland geography. Journal of Transport Geography, 2021, 92, 103014.	2.3	4
113	Bayesian analysis of short term extreme mooring tension for a point absorber with mixture of gamma and generalised pareto distributions. Applied Ocean Research, 2021, 110, 102556.	1.8	6
114	Experimental and CFD investigation of the effects of a high-speed passing ship on a moored container ship. Ocean Engineering, 2021, 228, 108914.	1.9	17
115	Bayesian Network modelling for safety management of electric vehicles transported in RoPax ships. Reliability Engineering and System Safety, 2021, 209, 107466.	5.1	48
116	Spatial correlation analysis of near ship collision hotspots with local maritime traffic characteristics. Reliability Engineering and System Safety, 2021, 209, 107463.	5.1	48
117	Environmental wave contours by inverse FORM and Monte Carlo Simulation with variance reduction techniques. Ocean Engineering, 2021, 228, 108916.	1.9	14
118	Application of the Fourierâ€“Kochin theory for the diffraction and radiation of free-surface waves about stationary floating bodies. Ocean Engineering, 2021, 227, 108831.	1.9	5
119	Free vibration analysis of FGM plates on Winkler/Pasternak/Kerr foundation by using a simple quasi-3D HSDT. Composite Structures, 2021, 264, 113643.	3.1	31
120	A review of large-scale model at-sea measurements for ship hydrodynamics and structural loads. Ocean Engineering, 2021, 227, 108863.	1.9	11
121	Dynamic wave induced loads on a moored flexible cylindrical net cage with analytical and numerical model simulations. Applied Ocean Research, 2021, 110, 102591.	1.8	13
122	Relation Between Cyclone Evolution and Fetch Associated With Extreme Wave Events in the South Atlantic Ocean. Journal of Offshore Mechanics and Arctic Engineering, 2021, 143, .	0.6	5
123	Propulsion power prediction for an inland container vessel in open and restricted channel from model and full-scale simulations. Ocean Engineering, 2021, 229, 108621.	1.9	16
124	Experimental study on the motions of a dual chamber floating oscillating water column device. Renewable Energy, 2021, 170, 1257-1274.	4.3	22
125	Hydrodynamic shipâ€“ship and shipâ€“bank interaction: A comparative numerical study. Ocean Engineering, 2021, 230, 108970.	1.9	13
126	Modified Vector Field Path-Following Control System for an Underactuated Autonomous Surface Ship Model in the Presence of Static Obstacles. Journal of Marine Science and Engineering, 2021, 9, 652.	1.2	20

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127	Design and Analysis of a Mooring System for a Wave Energy Converter. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 782.	1.2	8
128	Hydroelastic behaviour of a submerged horizontal flexible porous structure in three-dimensions. <i>Journal of Fluids and Structures</i> , 2021, 104, 103319.	1.5	12
129	Free vibration of advanced composite plates using a new higher order shear deformation theory. <i>European Journal of Mechanics, A/Solids</i> , 2021, 88, 104236.	2.1	12
130	Experimental study of the influence of the rope material on mooring fatigue damage and point absorber response. <i>Ocean Engineering</i> , 2021, 232, 108667.	1.9	7
131	Experimental numerical and analytical analysis of the penetration of a scaled double-hull tanker side structure. <i>Marine Structures</i> , 2021, 78, 103018.	1.6	6
132	Assessment of three-dimensional effects on slamming load predictions using OpenFoam. <i>Applied Ocean Research</i> , 2021, 112, 102646.	1.8	19
133	Experimental evaluation of the dynamic stiffness of synthetic fibre mooring ropes. <i>Applied Ocean Research</i> , 2021, 112, 102709.	1.8	12
134	Lateral buckling of subsea pipelines triggered by a sleeper with lateral constraint. <i>Ocean Engineering</i> , 2021, 234, 109306.	1.9	7
135	Experimental investigation on the influence of hybrid mooring system configuration and mooring material on the hydrodynamic performance of a point absorber. <i>Ocean Engineering</i> , 2021, 233, 109178.	1.9	6
136	Effect of Mooring Lines on the Hydroelastic Response of a Floating Flexible Plate Using the BIEM Approach. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 941.	1.2	11
137	Review on Ship Manoeuvrability Criteria and Standards. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 904.	1.2	10
138	Controlled lateral buckling of subsea pipelines triggered by imposed residual initial imperfections. <i>Ocean Engineering</i> , 2021, 233, 109124.	1.9	10
139	Dynamic analysis of an array of semi-rigid "seas station" fish cages subjected to waves. <i>Aquacultural Engineering</i> , 2021, 94, 102172.	1.4	15
140	A failure analysis of floating offshore wind turbines using AHP-FMEA methodology. <i>Ocean Engineering</i> , 2021, 234, 109261.	1.9	109
141	Experimental investigation on the hydrodynamic performance of a new type floating Oscillating Water Column device with dual-chambers. <i>Ocean Engineering</i> , 2021, 234, 109307.	1.9	28
142	Short-term extreme mooring tension and uncertainty analysis by a modified ACER method with adaptive Markov Chain Monte Carlo simulations. <i>Ocean Engineering</i> , 2021, 236, 109445.	1.9	5
143	Design equation for the effect of ovality on the collapse strength of sandwich pipes. <i>Ocean Engineering</i> , 2021, 235, 109367.	1.9	18
144	Validation of an Emission Model for a Marine Diesel Engine with Data from Sea Operations. <i>Journal of Marine Science and Application</i> , 2021, 20, 534-545.	0.7	11

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145	Welding-induced residual stresses and distortions of butt-welded corroded and intact plates. Marine Structures, 2021, 79, 103041.	1.6	7
146	Vertical and horizontal bending moments on the hydroelastic response of a large-scale segmented model in a seaway. Marine Structures, 2021, 79, 103060.	1.6	4
147	A two-stage black-spot identification model for inland waterway transportation. Reliability Engineering and System Safety, 2021, 213, 107677.	5.1	28
148	A benchmarking exercise for environmental contours. Ocean Engineering, 2021, 236, 109504.	1.9	26
149	Coupled dynamic analysis of spar-type floating wind turbine under different wind and wave loading. Marine Systems and Ocean Technology, 2021, 16, 169-198.	0.5	5
150	Viscous fluid-structure interaction analysis on ship springing and whipping responses in regular waves. Journal of Fluids and Structures, 2021, 106, 103354.	1.5	21
151	CFD modelling and grid uncertainty analysis of the free-falling water entry of 2D rigid bodies. Applied Ocean Research, 2021, 115, 102813.	1.8	13
152	Effect of nonlinear pipe-soil interaction on lateral buckling of subsea pipelines triggered by a distributed buoyancy section. Applied Ocean Research, 2021, 115, 102854.	1.8	5
153	Design improvement of a composite-to-steel butt-joint based on finite element analysis. Ocean Engineering, 2021, 238, 109771.	1.9	5
154	Experimental and numerical analysis of ultimate compressive strength of long-span stiffened panels. Ocean Engineering, 2021, 237, 109633.	1.9	12
155	Surface gravity wave interaction with a horizontal flexible floating plate and submerged flexible porous plate. Ocean Engineering, 2021, 237, 109621.	1.9	12
156	A multicriteria outranking approach for ship collision risk assessment. Reliability Engineering and System Safety, 2021, 214, 107789.	5.1	37
157	Collision risk analysis on ferry ships in Jiangsu Section of the Yangtze River based on AIS data. Reliability Engineering and System Safety, 2021, 215, 107901.	5.1	29
158	Compensation of a hybrid platform dynamics using wave energy converters in different sea state conditions. Renewable Energy, 2021, 177, 871-883.	4.3	29
159	Reliability analysis of the main drive system of a CNC machine tool including early failures. Reliability Engineering and System Safety, 2021, 215, 107846.	5.1	31
160	Upheaval thermal buckling of functionally graded subsea pipelines. Applied Ocean Research, 2021, 116, 102881.	1.8	8
161	Assessment of uncertainty in the CFD simulation of the wave-induced loads on a vertical cylinder. Marine Structures, 2021, 80, 103088.	1.6	14
162	Uncertainty due to discretization on the ALE algorithm for predicting water slamming loads. Marine Structures, 2021, 80, 103086.	1.6	24

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163	Adaptive fully nonlinear potential model for the free surface under compressible air pressure of oscillating water column devices. <i>Engineering Analysis With Boundary Elements</i> , 2021, 133, 153-164.	2.0	5
164	An integrated dynamic ship risk model based on Bayesian Networks and Evidential Reasoning. <i>Reliability Engineering and System Safety</i> , 2021, 216, 107993.	5.1	62
165	Numerical study on the effects of multiple initial defects on the collapse strength of pipelines under external pressure. <i>International Journal of Pressure Vessels and Piping</i> , 2021, 194, 104484.	1.2	7
166	An experimental study on transporting a free-float capable tension leg platform for a 10MW wind turbine in waves. <i>Renewable Energy</i> , 2021, 179, 2158-2173.	4.3	14
167	Numerical Modelling of the Effects of the Gulf Stream on the Wave Characteristics. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 42.	1.2	8
168	Experimental evaluation of the ultimate strength of stiffened panels under longitudinal compression. <i>Ocean Engineering</i> , 2021, 220, 108496.	1.9	6
169	Analytical and numerical study on lateral buckling of imperfect subsea pipelines with nonlinear lateral pipe-soil interaction model. <i>Ocean Engineering</i> , 2021, 221, 108495.	1.9	11
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