

Carlos Guedes Soares

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,218
papers

23,886
citations

67
h-index

92
g-index

1,398
ext. papers

29,470
ext. citations

3.6
avg, IF

8.14
L-index

#	Paper	IF	Citations
1218	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	2.4	4
1217	Assessment of metocean forecasts for Hurricane Lorenzo in the Azores Archipelago. <i>Ocean Engineering</i> , 2022 , 243, 110292	3.9	1
1216	Statistical distributions of nonlinear waves from random laboratory wave fields. <i>Ocean Engineering</i> , 2022 , 243, 110170	3.9	0
1215	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	3.9	0
1214	Ship collision avoidance behaviour recognition and analysis based on AIS data. <i>Ocean Engineering</i> , 2022 , 245, 110479	3.9	2
1213	Numerical investigation of the Fourier-Kochin theory for wave-induced response estimation of floating structures. <i>Ocean Engineering</i> , 2022 , 247, 110562	3.9	0
1212	Experimental study of wave energy converter arrays adapted to a semi-submersible wind platform. <i>Renewable Energy</i> , 2022 , 188, 145-145	8.1	1
1211	Integrating Short Sea Shipping with Trans-European Transport Networks. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 218	2.4	1
1210	The effect of general and localized corrosions on the collapse pressure of subsea pipelines. <i>Ocean Engineering</i> , 2022 , 247, 110719	3.9	3
1209	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	2.6	
1208	Uncertainty analyses on the CFD/BEA co-simulations of ship wave loads and whipping responses. <i>Marine Structures</i> , 2022 , 82, 103129	3.8	1
1207	Life-extension classification of offshore wind assets using unsupervised machine learning. <i>Reliability Engineering and System Safety</i> , 2022 , 219, 108229	6.3	4
1206	Review of techniques and challenges of human and organizational factors analysis in maritime transportation. <i>Reliability Engineering and System Safety</i> , 2022 , 219, 108249	6.3	8
1205	Submerged breakwater of a flexible porous membrane with a vertical flexible porous wall over variable bottom topography. <i>Ocean Engineering</i> , 2022 , 243, 109989	3.9	2
1204	Hybrid-laser welding-induced distortions and residual stresses analysis of large-scale stiffener panel. <i>Ocean Engineering</i> , 2022 , 245, 110411	3.9	1
1203	Application of Monte Carlo and Fuzzy Analytic Hierarchy Processes for ranking floating wind farm locations. <i>Ocean Engineering</i> , 2022 , 245, 110453	3.9	6
1202	A novel multi-criteria decision-making model to evaluate floating wind farm locations. <i>Renewable Energy</i> , 2022 , 185, 431-454	8.1	4

1201	Effect of initial condition uncertainty on the profile of maximum wave. <i>Marine Structures</i> , 2022 , 82, 103138	3.8	1
1200	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	3.8	
1199	Maritime traffic probabilistic prediction based on ship motion pattern extraction. <i>Reliability Engineering and System Safety</i> , 2022 , 217, 108061	6.3	2
1198	Numerical Study on the Mooring Force in an Offshore Fish Cage Array. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 331	2.4	1
1197	Comparison of multicriteria analysis techniques for decision making on floating offshore wind farms site selection. <i>Ocean Engineering</i> , 2022 , 248, 110751	3.9	6
1196	Uncertainty in Collapse Strength Prediction of Sandwich Pipelines. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2022 , 144,	1.5	1
1195	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	3.9	0
1194	Reflecting the uncertainties of ensemble weather forecasts on the predictions of ship fuel consumption. <i>Ocean Engineering</i> , 2022 , 250, 111009	3.9	1
1193	Framework and application of multi-criteria ship collision risk assessment. <i>Ocean Engineering</i> , 2022 , 250, 111006	3.9	0
1192	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	3.9	2
1191	Experimental and numerical investigation on the ultimate strength of a ship hull girder model with deck openings. <i>Marine Structures</i> , 2022 , 83, 103175	3.8	1
1190	Effects of dynamic axial stiffness of elastic moorings for a wave energy converter. <i>Ocean Engineering</i> , 2022 , 251, 111132	3.9	1
1189	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	3.9	0
1188	Uncertainties in long-term wave modelling. <i>Marine Structures</i> , 2022 , 84, 103217	3.8	2
1187	Benchmark study of global linear wave loads on a container ship with forward speed. <i>Marine Structures</i> , 2022 , 84, 103162	3.8	1
1186	A CFD approach for numerical assessment of hydrodynamic coefficients of an inclined prism near the sea bottom. <i>Ocean Engineering</i> , 2022 , 252, 111140	3.9	0
1185	Numerical analysis of a moored very large floating structure composed by a set of hinged plates. <i>Ocean Engineering</i> , 2022 , 253, 110785	3.9	2
1184	Distribution of average extreme wave parameters in the North Atlantic from numerical simulations. <i>Ocean Engineering</i> , 2022 , 253, 110901	3.9	0

1183	3D hydroelastic modelling of fluid-structure interactions of porous flexible structures. <i>Journal of Fluids and Structures</i> , 2022 , 112, 103588	3.1	1
1182	A real-time inspection and opportunistic maintenance strategies for floating offshore wind turbines. <i>Ocean Engineering</i> , 2022 , 256, 111433	3.9	6
1181	Experimental and numerical investigation on a double hull structure subject to collision. <i>Ocean Engineering</i> , 2022 , 256, 111437	3.9	1
1180	Uncertainty estimation of mesh-free and mesh-based simulations of the dynamics of floaters. <i>Ocean Engineering</i> , 2022 , 256, 111386	3.9	1
1179	A method to extract the Quaternion Ship Domain parameters from AIS data. <i>Ocean Engineering</i> , 2022 , 257, 111568	3.9	0
1178	Opportunities and Challenges to Develop Digital Twins for Subsea Pipelines. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 739	2.4	1
1177	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	2.4	1
1176	Epistemic uncertainties on the estimation of minimum air gap for semi-submersible platforms. <i>Marine Structures</i> , 2022 , 85, 103244	3.8	0
1175	Analytical study on the upheaval thermal buckling of sandwich pipes. <i>Marine Structures</i> , 2022 , 85, 103245	3.8	0
1174	Design of Propeller Series Optimizing Fuel Consumption and Propeller Efficiency. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 1226	2.4	3
1173	Numerical study on the pseudo-shakedown of beams under repeated impacts. <i>Ocean Engineering</i> , 2021 , 242, 110137	3.9	0
1172	Extreme Wind and Wave Predictability From Operational Forecasts at the Drake Passage. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021 , 143,	1.5	3
1171	Selection of countermeasure portfolio for shipping safety with consideration of investment risk aversion. <i>Reliability Engineering and System Safety</i> , 2021 , 108189	6.3	1
1170	Robust Parameter Estimation of an Empirical Manoeuvring Model Using Free-Running Model Tests. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 1302	2.4	0
1169	Implementation of a multi-grid operational wave forecast in the South Atlantic Ocean. <i>Ocean Engineering</i> , 2021 , 110173	3.9	1
1168	A CFD-SEA two-way coupling method for predicting ship wave loads and hydroelastic responses. <i>Applied Ocean Research</i> , 2021 , 117, 102919	3.4	4
1167	Burst strength assessment of X100 to X120 ultra-high strength corroded pipes. <i>Ocean Engineering</i> , 2021 , 241, 110004	3.9	4
1166	Casualty analysis methodology and taxonomy for FPSO accident analysis. <i>Reliability Engineering and System Safety</i> , 2021 , 108169	6.3	0

1165	Bayesian framework for reliability prediction of subsea processing systems accounting for influencing factors uncertainty. <i>Reliability Engineering and System Safety</i> , 2021 , 218, 108143	6.3	4
1164	Slamming and green water loads on a ship sailing in regular waves predicted by a coupled CFD/BEA approach. <i>Ocean Engineering</i> , 2021 , 241, 110107	3.9	1
1163	Modelling dynamic maritime traffic complexity with radial distribution functions. <i>Ocean Engineering</i> , 2021 , 241, 109990	3.9	2
1162	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	3.9	4
1161	Quantitative Analysis on Risk Influencing Factors in the Jiangsu Segment of the Yangtze River. <i>Risk Analysis</i> , 2021 , 41, 1560-1578	3.9	7
1160	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	5.3	2
1159	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,	1.5	1
1158	Numerical investigation of ship motions in cross waves using CFD. <i>Ocean Engineering</i> , 2021 , 223, 108711	3.9	12
1157	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	3.9	2
1156	Ultimate strength of a cracked stiffened panel repaired by CFRP and stop holes. <i>Ocean Engineering</i> , 2021 , 226, 108850	3.9	1
1155	Oilfield development system optimization under reservoir production uncertainty. <i>Ocean Engineering</i> , 2021 , 225, 108758	3.9	5
1154	Marine Climate Projections Toward the End of the Twenty-First Century in the North Atlantic. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021 , 143,	1.5	2
1153	A general framework of higher-order shear deformation theories with a novel unified plate model for composite laminated and FGM plates. <i>Composite Structures</i> , 2021 , 261, 113560	5.3	7
1152	The impact of container terminal relocation on hinterland geography. <i>Journal of Transport Geography</i> , 2021 , 92, 103014	5.2	3
1151	Bayesian analysis of short term extreme mooring tension for a point absorber with mixture of gamma and generalised pareto distributions. <i>Applied Ocean Research</i> , 2021 , 110, 102556	3.4	3
1150	Experimental and CFD investigation of the effects of a high-speed passing ship on a moored container ship. <i>Ocean Engineering</i> , 2021 , 228, 108914	3.9	4
1149	Bayesian Network modelling for safety management of electric vehicles transported in RoPax ships. <i>Reliability Engineering and System Safety</i> , 2021 , 209, 107466	6.3	21
1148	Spatial correlation analysis of near ship collision hotspots with local maritime traffic characteristics. <i>Reliability Engineering and System Safety</i> , 2021 , 209, 107463	6.3	21

1147	Environmental wave contours by inverse FORM and Monte Carlo Simulation with variance reduction techniques. <i>Ocean Engineering</i> , 2021 , 228, 108916	3.9	1
1146	Application of the Fourier-Bloch theory for the diffraction and radiation of free-surface waves about stationary floating bodies. <i>Ocean Engineering</i> , 2021 , 227, 108831	3.9	3
1145	Free vibration analysis of FGM plates on Winkler/Pasternak/Kerr foundation by using a simple quasi-3D HSDT. <i>Composite Structures</i> , 2021 , 264, 113643	5.3	3
1144	A review of large-scale model at-sea measurements for ship hydrodynamics and structural loads. <i>Ocean Engineering</i> , 2021 , 227, 108863	3.9	3
1143	Dynamic wave induced loads on a moored flexible cylindrical net cage with analytical and numerical model simulations. <i>Applied Ocean Research</i> , 2021 , 110, 102591	3.4	5
1142	Relation Between Cyclone Evolution and Fetch Associated With Extreme Wave Events in the South Atlantic Ocean. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021 , 143,	1.5	1
1141	Propulsion power prediction for an inland container vessel in open and restricted channel from model and full-scale simulations. <i>Ocean Engineering</i> , 2021 , 229, 108621	3.9	6
1140	Experimental study on the motions of a dual chamber floating oscillating water column device. <i>Renewable Energy</i> , 2021 , 170, 1257-1274	8.1	7
1139	Hydrodynamic ship-ship and ship-bank interaction: A comparative numerical study. <i>Ocean Engineering</i> , 2021 , 230, 108970	3.9	2
1138	Modified Vector Field Path-Following Control System for an Underactuated Autonomous Surface Ship Model in the Presence of Static Obstacles. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 652	2.4	4
1137	Design and Analysis of a Mooring System for a Wave Energy Converter. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 782	2.4	1
1136	Hydroelastic behaviour of a submerged horizontal flexible porous structure in three-dimensions. <i>Journal of Fluids and Structures</i> , 2021 , 104, 103319	3.1	6
1135	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	3.7	2
1134	Experimental study of the influence of the rope material on mooring fatigue damage and point absorber response. <i>Ocean Engineering</i> , 2021 , 232, 108667	3.9	2
1133	Evaluation of extreme storm waves in the Black Sea. <i>Journal of Operational Oceanography</i> , 2021 , 14, 114-128	2.9	1
1132	Experimental and numerical analysis of the penetration of welded aluminium alloy panels. <i>Ships and Offshore Structures</i> , 2021 , 16, 492-504	1.4	5
1131	Numerical Analysis of Stress Concentration in Non-uniformly Corroded Small-Scale Specimens. <i>Journal of Marine Science and Application</i> , 2021 , 20, 1-9	1.2	5
1130	Strain-based fatigue reliability assessment of welded joints in ship structures. <i>Marine Structures</i> , 2021 , 75, 102878	3.8	8

1129	Experimental results of the cooperative operation of autonomous surface vehicles navigating in complex marine environment. <i>Ocean Engineering</i> , 2021 , 219, 108256	3.9	3
1128	Experimental study on the dynamic behavior of beams under repeated impacts. <i>International Journal of Impact Engineering</i> , 2021 , 147, 103724	4	7
1127	L1 adaptive backstepping control for path-following of underactuated marine surface ships. <i>European Journal of Control</i> , 2021 , 58, 357-372	2.5	18
1126	Cruise shipping in the Atlantic coast of the Iberian Peninsula. <i>Maritime Policy and Management</i> , 2021 , 48, 129-145	2.5	2
1125	A quantitative decision-making model for emergency response to oil spill from ships. <i>Maritime Policy and Management</i> , 2021 , 48, 299-315	2.5	22
1124	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	3.8	5
1123	Fatigue strength of EH36 steel welded joints and base material at low-temperature. <i>International Journal of Fatigue</i> , 2021 , 142, 105896	5	6
1122	A developed failure mode and effect analysis for floating offshore wind turbine support structures. <i>Renewable Energy</i> , 2021 , 164, 133-145	8.1	30
1121	Experimental and numerical investigation on welding simulation of long stiffened steel plate specimen. <i>Marine Structures</i> , 2021 , 75, 102824	3.8	10
1120	Theoretical investigation on hub structure design of subsea connectors. <i>Thin-Walled Structures</i> , 2021 , 159, 107036	4.7	1
1119	Imperfection study on lateral thermal buckling of subsea pipeline triggered by a distributed buoyancy section. <i>Marine Structures</i> , 2021 , 76, 102916	3.8	4
1118	Analysis of structural crashworthiness of double-hull ships in collision and grounding. <i>Marine Structures</i> , 2021 , 76, 102898	3.8	6
1117	A novel real-time collision risk awareness method based on velocity obstacle considering uncertainties in ship dynamics. <i>Ocean Engineering</i> , 2021 , 220, 108436	3.9	19
1116	Hydraulic Power Take-Off concept for the M4 Wave Energy Converter. <i>Applied Ocean Research</i> , 2021 , 106, 102462	3.4	2
1115	Influence of the shape of a buoy on the efficiency of its dual-motion wave energy conversion. <i>Energy</i> , 2021 , 214, 118998	7.9	5
1114	Coupled Engine-Propeller Selection Procedure to Minimize Fuel Consumption at a Specified Speed. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 59	2.4	6
1113	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	1.6	0
1112	Neural Network Approach for Predicting Ship Speed and Fuel Consumption. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 119	2.4	11

1111	Semi-empirical Based Response Surface Approach for Reliability Evaluation of Steel Plates with Random Fields of Corrosion. <i>Lecture Notes in Civil Engineering</i> , 2021 , 715-732	0.3	0
1110	Numerical study on the influence of experimental conditions on the collapse behaviour of stiffened panels. <i>Ocean Engineering</i> , 2021 , 220, 108410	3.9	3
1109	Investigation on abnormal wave dynamics in regular and irregular sea states. <i>Ocean Engineering</i> , 2021 , 222, 108602	3.9	1
1108	On the Accuracy of Voluntary Observing Ship Records. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021 , 143,	1.5	1
1107	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	2.4	6
1106	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,	1.5	1
1105	A Multi-Criteria Approach to Evaluate Floating Offshore Wind Farms Siting in the Canary Islands (Spain). <i>Energies</i> , 2021 , 14, 865	3.1	10
1104	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	2.4	3
1103	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	0.4	1
1102	Impact of heavy biofouling on a nearshore heave-pitch-roll wave buoy performance. <i>Applied Ocean Research</i> , 2021 , 107, 102500	3.4	5
1101	Review and Prospects for Autonomous Observing Systems in Vessels of Opportunity. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 366	2.4	
1100	Operational Wave Forecast Selection in the Atlantic Ocean Using Random Forests. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 298	2.4	2
1099	Experimental numerical and analytical analysis of the penetration of a scaled double-hull tanker side structure. <i>Marine Structures</i> , 2021 , 78, 103018	3.8	1
1098	Assessment of three-dimensional effects on slamming load predictions using OpenFoam. <i>Applied Ocean Research</i> , 2021 , 112, 102646	3.4	6
1097	Experimental evaluation of the dynamic stiffness of synthetic fibre mooring ropes. <i>Applied Ocean Research</i> , 2021 , 112, 102709	3.4	2
1096	Lateral buckling of subsea pipelines triggered by a sleeper with lateral constraint. <i>Ocean Engineering</i> , 2021 , 234, 109306	3.9	1
1095	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	3.9	3
1094	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	2.4	4

1093	Review on Ship Manoeuvrability Criteria and Standards. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 904	2.4	2
1092	Controlled lateral buckling of subsea pipelines triggered by imposed residual initial imperfections. <i>Ocean Engineering</i> , 2021 , 233, 109124	3.9	1
1091	Dynamic analysis of an array of semi-rigid sea station fish cages subjected to waves. <i>Aquacultural Engineering</i> , 2021 , 94, 102172	3	1
1090	A failure analysis of floating offshore wind turbines using AHP-FMEA methodology. <i>Ocean Engineering</i> , 2021 , 234, 109261	3.9	27
1089	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	3.9	9
1088	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	3.9	0
1087	Design equation for the effect of ovality on the collapse strength of sandwich pipes. <i>Ocean Engineering</i> , 2021 , 235, 109367	3.9	7
1086	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	1.2	2
1085	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> , 2021 , 234-235, 111263	3.1	0
1084	Welding-induced residual stresses and distortions of butt-welded corroded and intact plates. <i>Marine Structures</i> , 2021 , 79, 103041	3.8	4
1083	Vertical and horizontal bending moments on the hydroelastic response of a large-scale segmented model in a seaway. <i>Marine Structures</i> , 2021 , 79, 103060	3.8	1
1082	A two-stage black-spot identification model for inland waterway transportation. <i>Reliability Engineering and System Safety</i> , 2021 , 213, 107677	6.3	11
1081	A benchmarking exercise for environmental contours. <i>Ocean Engineering</i> , 2021 , 236, 109504	3.9	7
1080	Viscous fluid-flexible structure interaction analysis on ship springing and whipping responses in regular waves. <i>Journal of Fluids and Structures</i> , 2021 , 106, 103354	3.1	5
1079	CFD modelling and grid uncertainty analysis of the free-falling water entry of 2D rigid bodies. <i>Applied Ocean Research</i> , 2021 , 115, 102813	3.4	0
1078	Effect of nonlinear pipe-soil interaction on lateral buckling of subsea pipelines triggered by a distributed buoyancy section. <i>Applied Ocean Research</i> , 2021 , 115, 102854	3.4	0
1077	Design improvement of a composite-to-steel butt-joint based on finite element analysis. <i>Ocean Engineering</i> , 2021 , 238, 109771	3.9	1
1076	Experimental and numerical analysis of ultimate compressive strength of long-span stiffened panels. <i>Ocean Engineering</i> , 2021 , 237, 109633	3.9	3

1075	Surface gravity wave interaction with a horizontal flexible floating plate and submerged flexible porous plate. <i>Ocean Engineering</i> , 2021 , 237, 109621	3.9	6
1074	A multicriteria outranking approach for ship collision risk assessment. <i>Reliability Engineering and System Safety</i> , 2021 , 214, 107789	6.3	13
1073	Collision risk analysis on ferry ships in Jiangsu Section of the Yangtze River based on AIS data. <i>Reliability Engineering and System Safety</i> , 2021 , 215, 107901	6.3	7
1072	Compensation of a hybrid platform dynamics using wave energy converters in different sea state conditions. <i>Renewable Energy</i> , 2021 , 177, 871-883	8.1	3
1071	Reliability analysis of the main drive system of a CNC machine tool including early failures. <i>Reliability Engineering and System Safety</i> , 2021 , 215, 107846	6.3	12
1070	Upheaval thermal buckling of functionally graded subsea pipelines. <i>Applied Ocean Research</i> , 2021 , 116, 102881	3.4	3
1069	Assessment of uncertainty in the CFD simulation of the wave-induced loads on a vertical cylinder. <i>Marine Structures</i> , 2021 , 80, 103088	3.8	3
1068	Uncertainty due to discretization on the ALE algorithm for predicting water slamming loads. <i>Marine Structures</i> , 2021 , 80, 103086	3.8	5
1067	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	2.6	2
1066	An integrated dynamic ship risk model based on Bayesian Networks and Evidential Reasoning. <i>Reliability Engineering and System Safety</i> , 2021 , 216, 107993	6.3	14
1065	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	2.4	3
1064	An experimental study on transporting a free-float capable tension leg platform for a 10 MW wind turbine in waves. <i>Renewable Energy</i> , 2021 , 179, 2158-2173	8.1	3
1063	Numerical Modelling of the Effects of the Gulf Stream on the Wave Characteristics. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 42	2.4	4
1062	Experimental evaluation of the ultimate strength of stiffened panels under longitudinal compression. <i>Ocean Engineering</i> , 2021 , 220, 108496	3.9	2
1061	A Comprehensive Approach to Account for Weather Uncertainties in Ship Route Optimization. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 1434	2.4	0
1060	Buckling strength of a composite material wave energy converter structure under slamming loads. <i>Ocean Engineering</i> , 2021 , 241, 110044	3.9	0
1059	Experimental and Numerical Study of the Hydroelastic Response of a River-Sea-Going Container Ship. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 978	2.4	3
1058	Structural Reliability Analysis of Ship Hulls Accounting for Collision or Grounding Damage. <i>Journal of Marine Science and Application</i> , 2020 , 19, 717-733	1.2	2

1057	Review of Ultimate Strength Assessment of Ageing and Damaged Ship Structures. <i>Journal of Marine Science and Application</i> , 2020 , 19, 512-533	1.2	3
1056	Analytical study of thermal upheaval buckling for free spanning pipelines. <i>Ocean Engineering</i> , 2020 , 218, 108220	3.9	4
1055	Economic feasibility of floating offshore wind farms in Portugal. <i>Ocean Engineering</i> , 2020 , 207, 107393	3.9	21
1054	Analysis of composite laminates containing through-the-width and embedded delamination under bending using layerwise HSDT. <i>European Journal of Mechanics, A/Solids</i> , 2020 , 82, 104003	3.7	8
1053	Assessment of transportation demand on alternative short-sea shipping services considering external costs 2020 , 13-45		1
1052	Indentation parameters influence on the ultimate strength of panels for different stiffeners. <i>Journal of Constructional Steel Research</i> , 2020 , 170, 106097	3.8	2
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824	Influence of main engine control strategies on fuel consumption and emissions 2018 , 157-163		3

823	Optimization scheme for the selection of the propeller in ship concept design 2018 , 233-239	2
822	Residual strength assessment of a grounded container ship subjected to asymmetrical bending loads 2018 , 337-344	1
821	Uncertainty propagation and sensitivity analysis of a laminated composite beam 2018 , 395-401	2
820	Experimental study of the residual strength of damaged hybrid steel-FRP balcony overhangs of ships 2018 , 403-410	1
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813	Comparisons of CFD, experimental and analytical simulations of a heaving box-type floating structure 2018 , 633-639	
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809	Peak period statistics associated with significant wave heights by conditional mean functions of the distributions 2018 , 693-698	
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806	Role assignment and conflict identification for the encounter of ships under COLREGs 2018 , 137-143	

805	A CFD study of a ship moving with constant drift angle in calm water and waves 2018 , 185-192		
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803	Experimental study of two mooring systems for wave energy converters 2018 , 667-676		
802	Wake of a catamaran navigating in restricted waters 2018 , 175-184		
801	Analysis of a new container terminal using a simulation approach 2018 , 43-52		
800	Causal Analysis of Accidents at Work in a Shipyard Complemented with Bayesian Nets Modelling 2018 , 421-430		2
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798	Comparative study of various strip-theory seakeeping codes in predicting heave and pitch motions of fast displacement ships in head seas 2018 , 599-608		
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494	Experimental analysis of the effect of frame spacing variation on the ultimate bending moment of box girders. <i>Marine Structures</i> , 2014 , 37, 111-134	3.8	19
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427	Analytical and Numerical Study of Nearshore Multiple Oscillating Water Columns 2013 ,		1
426	Comparison of Distributions of Wave Heights From Nonlinear Schrödinger Equation Simulations and Laboratory Experiments 2013 ,		4
425	Validation of a Regional Atmospheric Model for Assessing the Offshore Wind Resources Along the Portuguese Coast 2013 ,		2
424	Experimental and Numerical Extreme Motions and Vertical Bending Moments Induced by Abnormal Waves on a Bulk Carrier 2013 ,		1
423	Effects of the Mooring Line Configuration on the Dynamics of a Point Absorber 2013 ,		1
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356	Comparative Study of Hydroelastic Impact for One Free-Drop Wedge With Stiffened Panels by Experimental and Explicit Finite Element Methods 2011 ,		6

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