Carlos Guedes Soares

List of Publications by Year
in descending order

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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	Uncertainties in probabilistic numerical analysis of structures and solids-Stochastic finite elements. Structural Safety, 1997, 19, 283-336.	2.8	304
2	Review and application of Artificial Neural Networks models in reliability analysis of steel structures. Structural Safety, 2015, 52, 78-89.	2.8	291
3	A new trigonometric shear deformation theory for isotropic, laminated composite and sandwich plates. International Journal of Solids and Structures, 2012, 49, 43-53.	1.3	290
4	A new higher order shear deformation theory for sandwich and composite laminated plates. Composites Part B: Engineering, 2012, 43, 1489-1499.	5.9	264
5	Review of the current status, technology and future trends of offshore wind farms. Ocean Engineering, 2020, 209, 107381.	1.9	247
6	Use of AIS Data to Characterise Marine Traffic Patterns and Ship Collision Risk off the Coast of Portugal. Journal of Navigation, 2013, 66, 879-898.	1.0	242
7	Static and dynamic analysis of laminated composite and sandwich plates and shells by using a new higher-order shear deformation theory. Composite Structures, 2011, 94, 37-49.	3.1	238
8	Risk assessment in maritime transportation. Reliability Engineering and System Safety, 2001, 74, 299-309.	5.1	235
9	Maritime Traffic Monitoring Based on Vessel Detection, Tracking, State Estimation, and Trajectory Prediction. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 1188-1200.	4.7	216
10	Reliability of pipelines with corrosion defects. International Journal of Pressure Vessels and Piping, 2008, 85, 228-237.	1.2	208
11	Influence of environmental factors on corrosion of ship structures in marine atmosphere. Corrosion Science, 2009, 51, 2014-2026.	3.0	200
12	Wave energy assessments in the Azores islands. Renewable Energy, 2012, 45, 183-196.	4.3	183
13	OC5 Project Phase II: Validation of Global Loads of the DeepCwind Floating Semisubmersible Wind Turbine. Energy Procedia, 2017, 137, 38-57.	1.8	181
14	Evaluation of Various Technologies for Wave Energy Conversion in the Portuguese Nearshore. Energies, 2013, 6, 1344-1364.	1.6	180
15	Representation of double-peaked sea wave spectra. Ocean Engineering, 1984, 11, 185-207.	1.9	178
16	Path following control system for a tanker ship model. Ocean Engineering, 2007, 34, 2074-2085.	1.9	174
17	Assessment of the efficiency of Kriging surrogate models for structural reliability analysis. Probabilistic Engineering Mechanics, 2014, 37, 24-34.	1.3	160
18	Adaptive surrogate model with active refinement combining Kriging and a trust region method. Reliability Engineering and System Safety, 2017, 165, 277-291.	5.1	158

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19	Ship trajectory uncertainty prediction based on a Gaussian Process model. Ocean Engineering, 2019, 182, 499-511.	1.9	155
20	A distributed anti-collision decision support formulation in multi-ship encounter situations under COLREGs. Ocean Engineering, 2015, 105, 336-348.	1.9	149
21	Simulation modelling of repairable multi-component deteriorating systems for â€˜on conditionâ€™ maintenance optimisation. Reliability Engineering and System Safety, 2002, 76, 255-264.	5.1	148
22	Numerical modelling to estimate the spatial distribution of the wave energy in the Portuguese nearshore. Renewable Energy, 2009, 34, 1501-1516.	4.3	146
23	Fuzzy logic based decision making system for collision avoidance of ocean navigation under critical collision conditions. Journal of Marine Science and Technology, 2011, 16, 84-99.	1.3	146
24	Reliability analysis of a floating offshore wind turbine using Bayesian Networks. Ocean Engineering, 2020, 217, 107827.	1.9	143
25	Tensile strength assessment of corroded small scale specimens. Corrosion Science, 2014, 85, 296-303.	3.0	142
26	44-year wave hindcast for the North East Atlantic European coast. Coastal Engineering, 2008, 55, 861-871.	1.7	139
27	An Evidential Reasoningâ€Based CREAM to Human Reliability Analysis in Maritime Accident Process. Risk Analysis, 2017, 37, 1936-1957.	1.5	138
28	Bending response of functionally graded plates by using a new higher order shear deformation theory. Composite Structures, 2012, 94, 714-723.	3.1	135
29	Data mining approach to shipping route characterization and anomaly detection based on AIS data. Ocean Engineering, 2020, 198, 106936.	1.9	130
30	Development of a ship weather routing system. Ocean Engineering, 2016, 123, 1-14.	1.9	126
31	Spectral stochastic finite element analysis for laminated composite plates. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 4830-4839.	3.4	125
32	Characteristics of abnormal waves in North Sea storm sea states. Applied Ocean Research, 2003, 25, 337-344.	1.8	120
33	Time-Domain Analysis of Large-Amplitude Vertical Ship Motions and Wave Loads. Journal of Ship Research, 1998, 42, 139-153.	0.5	120
34	Classification of human errors in grounding and collision accidents using the TRACEr taxonomy. Safety Science, 2016, 86, 245-257.	2.6	119
35	Modeling the fate of oil spills at sea. Spill Science and Technology Bulletin, 1995, 2, 121-131.	0.4	118
36	An Application of the Peaks Over Threshold Method to Predict Extremes of Significant Wave Height. Journal of Offshore Mechanics and Arctic Engineering, 1998, 120, 165-176.	0.6	114

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37	Analysis of directional wave fields using X-band navigation radar. Coastal Engineering, 2000, 40, 375-391.	1.7	113
38	Stepped sea bottom effects on the efficiency of nearshore oscillating water column device. Ocean Engineering, 2013, 70, 25-38.	1.9	112
39	Application of the r largest-order statistics for long-term predictions of significant wave height. Coastal Engineering, 2004, 51, 387-394.	1.7	110
40	Uncertainty modelling in plate buckling. Structural Safety, 1988, 5, 17-34.	2.8	109
41	A novel higher-order shear deformation theory with stretching effect for functionally graded plates. Composites Part B: Engineering, 2013, 45, 268-281.	5.9	109
42	An algorithm for offline identification of ship manoeuvring mathematical models from free-running tests. Ocean Engineering, 2014, 79, 10-25.	1.9	109
43	Experimental Evaluations on Ship Autonomous Navigation and Collision Avoidance by Intelligent Guidance. IEEE Journal of Oceanic Engineering, 2015, 40, 374-387.	2.1	109
44	Fault Tree Analysis of floating offshore wind turbines. Renewable Energy, 2019, 133, 1455-1467.	4.3	109
45	A failure analysis of floating offshore wind turbines using AHP-FMEA methodology. Ocean Engineering, 2021, 234, 109261.	1.9	109
46	Analytical and numerical study of dual-chamber oscillating water columns on stepped bottom. Renewable Energy, 2015, 75, 272-282.	4.3	108
47	Maritime Transportation Risk Assessment of Tianjin Port with Bayesian Belief Networks. Risk Analysis, 2016, 36, 1171-1187.	1.5	108
48	Bending analysis of thick exponentially graded plates using a new trigonometric higher order shear deformation theory. Composite Structures, 2012, 94, 1991-2000.	3.1	102
49	Ultimate strength assessment of rectangular steel plates subjected to a random localised corrosion degradation. Engineering Structures, 2013, 52, 295-305.	2.6	100
50	Incorporating evidential reasoning and TOPSIS into group decision-making under uncertainty for handling ship without command. Ocean Engineering, 2018, 164, 590-603.	1.9	100
51	Experimental Investigation of the Nonlinear Effects on the Vertical Motions and Loads of a Containership in Regular Waves. Journal of Ship Research, 2004, 48, 118-147.	0.5	100
52	Approximate Assessment of the Ultimate Longitudinal Strength of the Hull Girder. Journal of Ship Research, 1996, 40, 60-69.	0.5	99
53	Numerical study on the water impact of 3D bodies by an explicit finite element method. Ocean Engineering, 2014, 78, 73-88.	1.9	98
54	Generalized hybrid quasi-3D shear deformation theory for the static analysis of advanced composite plates. Composite Structures, 2012, 94, 2561-2575.	3.1	97

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55	Design equation for the compressive strength of unstiffened plate elements with initial imperfections. Journal of Constructional Steel Research, 1988, 9, 287-310.	1.7	96
56	Corrosion wastage model for ship crude oil tanks. Corrosion Science, 2008, 50, 3095-3106.	3.0	96
57	Effect of environmental factors on steel plate corrosion under marine immersion conditions. Corrosion Engineering Science and Technology, 2011, 46, 524-541.	0.7	96
58	Wave energy pattern around the Madeira Islands. Energy, 2012, 45, 771-785.	4.5	96
59	Dynamic model of manoeuvrability using recursive neural networks. Ocean Engineering, 2003, 30, 1669-1697.	1.9	93
60	Fuzzy logic based approach for ship-bridge collision alert system. Ocean Engineering, 2019, 187, 106152.	1.9	93
61	Cost and reliability based strategies for fatigue maintenance planning of floating structures. Reliability Engineering and System Safety, 2001, 73, 293-301.	5.1	92
62	Intelligent Ocean Navigation and Fuzzy-Bayesian Decision/Action Formulation. IEEE Journal of Oceanic Engineering, 2012, 37, 204-219.	2.1	91
63	Assessment of wave energy in the Canary Islands. Renewable Energy, 2014, 68, 774-784.	4.3	90
64	Wave energy conditions in the western French coast. Renewable Energy, 2014, 62, 155-163.	4.3	90
65	Review of mooring design for floating wave energy converters. Renewable and Sustainable Energy Reviews, 2019, 111, 595-621.	8.2	90
66	Modelling uncertainty in long-term predictions of significant wave height. Ocean Engineering, 2001, 28, 329-342.	1.9	89
67	The use of quasi-static testing to obtain the low-velocity impact damage resistance of marine GRP laminates. Composites Part B: Engineering, 2012, 43, 1459-1467.	5.9	89
68	Numerical and experimental study of hydrodynamic impact and elastic response of one free-drop wedge with stiffened panels. Ocean Engineering, 2012, 40, 1-14.	1.9	89
69	A developed failure mode and effect analysis for floating offshore wind turbine support structures. Renewable Energy, 2021, 164, 133-145.	4.3	89
70	Coastal impact induced by a Pelamis wave farm operating in the Portuguese nearshore. Renewable Energy, 2013, 58, 34-49.	4.3	88
71	On the failure criterion of aluminum and steel plates subjected to low-velocity impact by a spherical indenter. International Journal of Mechanical Sciences, 2014, 80, 1-15.	3.6	88
72	Nonlinear Time Dependent Corrosion Wastage of Deck Plates of Ballast and Cargo Tanks of Tankers. Journal of Offshore Mechanics and Arctic Engineering, 2007, 129, 48-55.	0.6	87

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73	Analysis of isotropic and multilayered plates and shells by using a generalized higher-order shear deformation theory. Composite Structures, 2012, 94, 2640-2656.	3.1	86
74	Experimental and numerical investigation of the hydrodynamic performance of an oscillating water column wave energy converter. Renewable Energy, 2017, 106, 1-16.	4.3	86
75	Identification of ship manoeuvring motion based on nu-support vector machine. Ocean Engineering, 2019, 183, 270-281.	1.9	86
76	Fatigue reliability of the ship hull girder accounting for inspection and repair. Reliability Engineering and System Safety, 1996, 51, 341-351.	5.1	85
77	Modelling distributions of significant wave height. Coastal Engineering, 2000, 40, 361-374.	1.7	85
78	Wind resource assessment offshore the Atlantic Iberian coast with the WRF model. Energy, 2018, 145, 276-287.	4.5	85
79	On the occurence of double peaked wave spectra. Ocean Engineering, 1991, 18, 167-171.	1.9	84
80	Fatigue damage assessment of fixed offshore wind turbine tripod support structures. Engineering Structures, 2015, 101, 518-528.	2.6	83
81	Mathematical models for ship path prediction in manoeuvring simulation systems. Ocean Engineering, 2002, 29, 1-19.	1.9	81
82	Experimental assessment of the ultimate strength of a box girder subjected to severe corrosion. Marine Structures, 2011, 24, 338-357.	1.6	81
83	Influence of boundary conditions on the collapse behaviour of stiffened panels under combined loads. Marine Structures, 2013, 34, 205-225.	1.6	81
84	High resolution local wave energy modelling in the Iberian Peninsula. Energy, 2015, 91, 1099-1112.	4.5	80
85	Cost assessment methodology for combined wind and wave floating offshore renewable energy systems. Renewable Energy, 2016, 97, 866-880.	4.3	79
86	Fault-tree models of accident scenarios of RoPax vessels. International Journal of Automation and Computing, 2006, 3, 107-116.	4.5	78
87	Slam induced loads on bow-flared sections with various roll angles. Ocean Engineering, 2013, 67, 45-57.	1.9	78
88	Numerical evaluation of the wave energy resource along the Atlantic European coast. Computers and Geosciences, 2014, 71, 37-49.	2.0	78
89	Power take-off concept for wave energy converters based on oil-hydraulic transformer units. Renewable Energy, 2016, 86, 1232-1246.	4.3	78
90	A real-time inspection and opportunistic maintenance strategies for floating offshore wind turbines. Ocean Engineering, 2022, 256, 111433.	1.9	78

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91	Modelling bivariate distributions of significant wave height and mean wave period. Applied Ocean Research, 2002, 24, 31-45.	1.8	77
92	A new tangential-exponential higher order shear deformation theory for advanced composite plates. Composites Part B: Engineering, 2014, 60, 319-328.	5.9	77
93	Collision risk detection and quantification in ship navigation with integrated bridge systems. Ocean Engineering, 2015, 109, 344-354.	1.9	77
94	Reliability prediction of an offshore wind turbine gearbox. Renewable Energy, 2019, 141, 693-706.	4.3	77
95	H_{2} and H_{infty} Designs for Diving and Course Control of an Autonomous Underwater Vehicle in Presence of Waves. IEEE Journal of Oceanic Engineering, 2008, 33, 69-88.	2.1	76
96	Pre-filtered sliding mode control for nonlinear ship steering associated with disturbances. Ocean Engineering, 2012, 51, 49-62.	1.9	76
97	A 40 Year Hindcast of Wind, Sea Level and Waves in European Waters. , 2002, , 669.		75
98	Causal factors in accidents of high-speed craft and conventional ocean-going vessels. Reliability Engineering and System Safety, 2008, 93, 1292-1304.	5.1	75
99	Hindcast of the wave conditions along the west Iberian coast. Coastal Engineering, 2008, 55, 906-919.	1.7	75
100	Reliability of maintained ship hulls subjected to corrosion and fatigue under combined loading. Journal of Constructional Steel Research, 1999, 52, 93-115.	1.7	73
101	Steepness and asymmetry of the largest waves in storm sea states. Ocean Engineering, 2004, 31, 1147-1167.	1.9	73
102	Modeling freak waves from the North Sea. Applied Ocean Research, 2005, 27, 12-22.	1.8	73
103	Reliability and residual strength of double hull tankers designed according to the new IACS common structural rules. Ocean Engineering, 2009, 36, 1446-1459.	1.9	73
104	Effect of corrosion severity on the ultimate strength of a steel box girder. Engineering Structures, 2013, 49, 560-571.	2.6	73
105	Bending and free vibration analysis of isotropic and multilayered plates and shells by using a new accurate higher-order shear deformation theory. Composites Part B: Engineering, 2012, 43, 3348-3360.	5.9	72
106	Modeling multivariate ocean data using asymmetric copulas. Coastal Engineering, 2018, 135, 91-111.	1.7	71
107	Reliability of Maintained Ship Hulls Subjected to Corrosion. Journal of Ship Research, 1996, 40, 235-243.	0.5	71
108	Structural reliability of two bulk carrier designs. Marine Structures, 2000, 13, 107-128.	1.6	70

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109	Identification of the components of wave spectra by the Hilbert Huang transform method. Applied Ocean Research, 2004, 26, 1-12.	1.8	70
110	Impact characterisation of low fibre-volume glass reinforced polyester circular laminated plates. International Journal of Impact Engineering, 2005, 31, 1-23.	2.4	70
111	Palmgrenâ€“Minerâ€™s rule and fracture mechanics-based inspection planning. Engineering Fracture Mechanics, 2011, 78, 3166-3182.	2.0	70
112	A new trigonometric layerwise shear deformation theory for the finite element analysis of laminated composite and sandwich plates. Computers and Structures, 2012, 94-95, 45-53.	2.4	70
113	Numerical and experimental studies on temperature and distortion patterns in butt-welded plates. International Journal of Advanced Manufacturing Technology, 2014, 72, 1121-1131.	1.5	70
114	A two-stage Failure Mode and Effect Analysis of offshore wind turbines. Renewable Energy, 2020, 162, 1438-1461.	4.3	70
115	Evaluation of the wave conditions in Madeira Archipelago with spectral models. Ocean Engineering, 2008, 35, 1357-1371.	1.9	68
116	The wind sea and swell waves climate in the Nordic seas. Ocean Dynamics, 2015, 65, 223-240.	0.9	68
117	Tests on ultimate strength of hull box girders made of high tensile steel. Marine Structures, 2009, 22, 770-790.	1.6	67
118	Reliability of maintained ship hull girders subjected to corrosion and fatigue. Structural Safety, 1998, 20, 201-219.	2.8	66
119	An integrated GIS approach for site selection of floating offshore wind farms in the Atlantic continental European coastline. Renewable and Sustainable Energy Reviews, 2020, 134, 110328.	8.2	66
120	Static response of functionally graded plates and doubly-curved shells based on a higher order shear deformation theory. European Journal of Mechanics, A/Solids, 2012, 36, 163-172.	2.1	65
121	Ultimate capacity of rectangular plates with partial depth pits under uniaxial loads. Marine Structures, 2012, 26, 27-41.	1.6	65
122	Weather routing and safe ship handling in the future of shipping. Ocean Engineering, 2017, 130, 684-695.	1.9	65
123	Crashworthiness analysis of polymer composites under axial and oblique impact loading. International Journal of Mechanical Sciences, 2019, 156, 221-234.	3.6	65
124	Combination of primary load effects in ship structures. Probabilistic Engineering Mechanics, 1992, 7, 103-111.	1.3	64
125	Vector field path following for surface marine vessel and parameter identification based on LS-SVM. Ocean Engineering, 2016, 113, 151-161.	1.9	64
126	Assessment of the uncertainty in visual observations of wave height. Ocean Engineering, 1986, 13, 37-56.	1.9	63

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127	Uncertainty of Ocean Wave Hindcasts Due to Wind Modeling. Journal of Offshore Mechanics and Arctic Engineering, 1995, 117, 294-297.	0.6	63
128	Bivariate autoregressive models for the time series of significant wave height and mean period. Coastal Engineering, 2000, 40, 297-311.	1.7	63
129	The effects of test parameters on the impact response of glass reinforced plastic using an experimental design approach. Composites Science and Technology, 2003, 63, 1-18.	3.8	63
130	Abnormal waves during Hurricane Camille. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	63
131	Kalman filtering of vessel motions for ocean wave directional spectrum estimation. Ocean Engineering, 2009, 36, 477-488.	1.9	63
132	Wave energy assessment in the China adjacent seas on the basis of a 20-year SWAN simulation with unstructured grids. Renewable Energy, 2019, 136, 275-295.	4.3	63
133	Spectral Modeling of Sea States With Multiple Wave Systems. Journal of Offshore Mechanics and Arctic Engineering, 1992, 114, 278-284.	0.6	62
134	An integrated dynamic ship risk model based on Bayesian Networks and Evidential Reasoning. Reliability Engineering and System Safety, 2021, 216, 107993.	5.1	62
135	Review of techniques and challenges of human and organizational factors analysis in maritime transportation. Reliability Engineering and System Safety, 2022, 219, 108249.	5.1	62
136	Analysis of plate deflections during ultimate strength experiments of corroded box girders. Thin-Walled Structures, 2012, 54, 164-176.	2.7	61
137	Wave transformation due to multiple bottom-standing porous barriers. Ocean Engineering, 2014, 80, 50-63.	1.9	61
138	Kernel-based support vector regression for nonparametric modeling of ship maneuvering motion. Ocean Engineering, 2020, 216, 107994.	1.9	61
139	Approximate method to evaluate the hull girder collapse strength. Marine Structures, 1996, 9, 449-470.	1.6	60
140	Finite element formulation of a generalized higher order shear deformation theory for advanced composite plates. Composite Structures, 2013, 96, 545-553.	3.1	60
141	Optimized sinusoidal higher order shear deformation theory for the analysis of functionally graded plates and shells. Composites Part B: Engineering, 2014, 56, 126-136.	5.9	60
142	Experimental and numerical study of the slamming load on the bow of a chemical tanker in irregular waves. Ocean Engineering, 2016, 111, 369-383.	1.9	60
143	Time-dependent reliability of the primary ship structure. Reliability Engineering and System Safety, 1989, 26, 59-71.	5.1	59
144	Numerical modelling of the boundary conditions on beams stuck transversely by a mass. International Journal of Impact Engineering, 2011, 38, 384-396.	2.4	59

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145	Review of ship slamming loads and responses. Journal of Marine Science and Application, 2017, 16, 427-445.	0.7	59
146	A novel real-time collision risk awareness method based on velocity obstacle considering uncertainties in ship dynamics. Ocean Engineering, 2021, 220, 108436.	1.9	59
147	Comparison of numerical and experimental results of nonlinear wave-induced vertical ship motions and loads. Journal of Marine Science and Technology, 2002, 6, 193-204.	1.3	58
148	Estimation of Wind-Sea and Swell Components in a Bimodal Sea State. Journal of Offshore Mechanics and Arctic Engineering, 2006, 128, 265-270.	0.6	58
149	Sensitivity of wave model predictions to wind fields in the Western Mediterranean sea. Coastal Engineering, 2008, 55, 920-929.	1.7	58
150	Modelling of multipeaked directional wave spectra. Applied Ocean Research, 2009, 31, 132-141.	1.8	58
151	Offshore Code Comparison Collaboration Continuation Within IEA Wind Task 30: Phase II Results Regarding a Floating Semisubmersible Wind System. , 2014, , .		58
152	Analysis of the influence of human errors on the occurrence of coastal ship accidents in different wave conditions using Bayesian Belief Networks. Accident Analysis and Prevention, 2019, 133, 105262.	3.0	58
153	Experimental analysis of wave energy converters concentrically attached on a floating offshore platform. Renewable Energy, 2020, 152, 1171-1185.	4.3	58
154	On the choice of data transformation for modelling time series of significant wave height. Ocean Engineering, 1999, 26, 489-506.	1.9	56
155	Probabilistic approach for characterising the static risk of ships using Bayesian networks. Reliability Engineering and System Safety, 2020, 203, 107073.	5.1	56
156	Comparative study on the time-domain analysis of non-linear ship motions and loads. Marine Structures, 1999, 12, 153-170.	1.6	55
157	Wind loads on marine structures. Marine Structures, 1999, 12, 199-209.	1.6	55
158	Wind and wave modelling in the Black Sea. Journal of Operational Oceanography, 2014, 7, 5-20.	0.6	55
159	Parameter Identification of Ship Maneuvering Model Based on Support Vector Machines and Particle Swarm Optimization. Journal of Offshore Mechanics and Arctic Engineering, 2016, 138, .	0.6	55
160	Evaluation of fatigue damage model predictions for fixed offshore wind turbine support structures. International Journal of Fatigue, 2016, 87, 71-80.	2.8	55
161	Economic feasibility of floating offshore wind farms in Portugal. Ocean Engineering, 2020, 207, 107393.	1.9	55
162	On Connectivity of UAV-Assisted Data Acquisition for Underwater Internet of Things. IEEE Internet of Things Journal, 2020, 7, 5371-5385.	5.5	55

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163	Compressive strength of rectangular plates under biaxial load and lateral pressure. Thin-Walled Structures, 1996, 24, 231-259.	2.7	54
164	Ocean Wave Spectral Estimation Using Vessel Wave Frequency Motions. Journal of Offshore Mechanics and Arctic Engineering, 2007, 129, 90-96.	0.6	54
165	Experimental and numerical analysis of a tanker side panel laterally punched by a knife edge indenter. Marine Structures, 2014, 37, 173-202.	1.6	54
166	Quantitative assessment of collision risk influence factors in the Tianjin port. Safety Science, 2018, 110, 363-371.	2.6	54
167	Design equation for ship plate elements under uniaxial compression. Journal of Constructional Steel Research, 1992, 22, 99-114.	1.7	53
168	Impact on low fibre-volume, glass/polyester rectangular plates. Composite Structures, 2005, 68, 13-22.	3.1	53
169	Contact indentation of marine composites. Composite Structures, 2005, 70, 287-294.	3.1	53
170	A trigonometric plate theory with 5-unknowns and stretching effect for advanced composite plates. Composite Structures, 2014, 107, 396-405.	3.1	53
171	Fatigue strength experiments of corroded small scale steel specimens. International Journal of Fatigue, 2014, 59, 137-144.	2.8	53
172	Experimental Investigation of the Nonlinear Effects on the Statistics of Vertical Motions and Loads of a Containership in Irregular Waves. Journal of Ship Research, 2004, 48, 148-167.	0.5	53
173	Dynamic response of rectangular plates of composite materials subjected to impact loads. Composite Structures, 1996, 34, 55-63.	3.1	52
174	Review of probabilistic models of the strength of composite materials. Reliability Engineering and System Safety, 1997, 56, 183-196.	5.1	52
175	Nonlinear SchrÃ¶dinger invariants and wave statistics. Physics of Fluids, 2010, 22, .	1.6	52
176	Scattering of gravity waves by multiple surface-piercing floating membrane. Applied Ocean Research, 2013, 39, 40-52.	1.8	52
177	Bivariate maximum entropy distribution of significant wave height and peak period. Ocean Engineering, 2013, 59, 86-99.	1.9	52
178	Assessments of wave energy in the Bohai Sea, China. Renewable Energy, 2016, 90, 145-156.	4.3	52
179	Bayesian inference for long-term prediction of significant wave height. Coastal Engineering, 2007, 54, 393-400.	1.7	51
180	Compressive tests on short continuous panels. Marine Structures, 2008, 21, 113-137.	1.6	51

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181	Experimental study on the collapse strength of wide stiffened panels. Marine Structures, 2013, 30, 33-62.	1.6	51
182	Methodology to Calculate the Costs of a Floating Offshore Renewable Energy Farm. Energies, 2016, 9, 324.	1.6	51
183	Experimental study on collapse of cracked stiffened plate with initial imperfections under compression. Thin-Walled Structures, 2017, 114, 39-51.	2.7	51
184	Neural Network Approach for Predicting Ship Speed and Fuel Consumption. Journal of Marine Science and Engineering, 2021, 9, 119.	1.2	51
185	Abnormal Wave-Induced Load Effects in Ship Structures. Journal of Ship Research, 2008, 52, 30-44.	0.5	51
186	Modelling the long-term distribution of significant wave height with the Beta and Gamma models. Ocean Engineering, 1999, 26, 713-725.	1.9	50
187	Reliability analysis of a tanker subjected to combined sea states. Probabilistic Engineering Mechanics, 2009, 24, 493-503.	1.3	50
188	Comparisons of calculations with experiments on the ultimate strength of wide stiffened panels. Marine Structures, 2013, 31, 82-101.	1.6	50
189	Detection and Analysis of the Main Routes of Voluntary Observing Ships in the North Atlantic. Journal of Navigation, 2015, 68, 397-410.	1.0	50
190	Simplified body nonlinear time domain calculation of vertical ship motions and wave loads in large amplitude waves. Ocean Engineering, 2015, 107, 157-177.	1.9	50
191	Behavior of composite laminates with embedded delaminations. Composite Structures, 2016, 150, 226-239.	3.1	50
192	The influence of route choice and operating conditions on fuel consumption and CO2 emission of ships. Journal of Marine Science and Technology, 2016, 21, 434-457.	1.3	50
193	Estimation of directional sea spectra from ship motions in sea trials. Ocean Engineering, 2017, 132, 126-137.	1.9	50
194	Review of developments in porous membranes and net-type structures for breakwaters and fish cages. Ocean Engineering, 2020, 200, 107027.	1.9	50
195	Reliability analysis of a ship hull in composite material. Composite Structures, 2003, 62, 59-66.	3.1	49
196	Numerical modelling of the wave energy in Galway Bay. Renewable Energy, 2015, 78, 457-466.	4.3	49
197	Experimental assessment of tensile strength of corroded steel specimens subjected to sandblast and sandpaper cleaning. Marine Structures, 2016, 49, 18-30.	1.6	49
198	A 33-year hindcast on wave energy assessment in the western French coast. Energy, 2018, 165, 790-801.	4.5	49

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199	Plastic Analysis of Laterally Loaded Circular Tubes. Journal of Structural Engineering, 1983, 109, 451-467.	1.7	48
200	Impact behaviour of typical marine composite laminates. Composites Part B: Engineering, 2005, 37, 89-100.	5.9	48
201	Spectral wave climate of the North Sea. Applied Ocean Research, 2007, 29, 146-154.	1.8	48
202	Experimental and numerical plastic response and failure of pre-notched transversely impacted beams. International Journal of Mechanical Sciences, 2013, 77, 314-332.	3.6	48
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