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List of Publications by Citations

119 papers	1,550 citations	20 h-index	36 g-index
135 ext. papers	1,870 ext. citations	3.5 avg, IF	5.1 L-index

#	Paper	IF	Citations
119	The effect of corrosion defects on the burst pressure of pipelines. *Journal of Constructional Steel Research*, **2005**, 61, 1185-1204	3.8	165
118	Reliability of pipelines with corrosion defects. *International Journal of Pressure Vessels and Piping*, **2008**, 85, 228-237	2.4	158
117	Influence of the welding sequence on residual stress and distortion of fillet welded structures. *Marine Structures*, **2016**, 46, 30-55	3.8	79
116	Pipelines, risers and umbilicals failures: A literature review. *Ocean Engineering*, **2018**, 148, 412-425	3.9	72
115	A geometrical optimization method applied to a heaving point absorber wave energy converter. *Renewable Energy*, **2018**, 115, 533-546	8.1	66
114	Effect of boundary conditions on residual stress and distortion in T-joint welds. *Journal of Constructional Steel Research*, **2014**, 102, 121-135	3.8	57
113	Strength Analyses of Sandwich Pipes for Ultra Deepwaters. *Journal of Applied Mechanics, Transactions ASME*, **2005**, 72, 599-608	2.7	54
112	Ultimate strength behaviour of sandwich pipes filled with steel fiber reinforced concrete. *Ocean Engineering*, **2012**, 55, 125-135	3.9	51
111	Limit strength and reeling effects of sandwich pipes with bonded layers. *International Journal of Mechanical Sciences*, **2007**, 49, 577-588	5.5	51
110	Collapse of sandwich pipes with PVA fiber reinforced cementitious composites core under external pressure. *Ocean Engineering*, **2014**, 82, 1-13	3.9	46
109	Sensitivity analysis on ultimate strength of aluminium stiffened panels. *Marine Structures*, **2003**, 16, 437-468	3.8	43
108	Parameter determination of double-ellipsoidal heat source model and its application in the multi-pass welding process. *Ships and Offshore Structures*, **2015**, 10, 204-217	1.4	37
107	A nonlinear analysis of the buckle propagation problem in deepwater pipelines. *International Journal of Solids and Structures*, **2001**, 38, 8481-8502	3.1	34
106	Wave-to-Wire Model and Energy Storage Analysis of an Ocean Wave Energy Hyperbaric Converter. *IEEE Journal of Oceanic Engineering*, **2014**, 39, 386-397	3.3	33
105	Modeling for the optimization of layout scenarios of cluster manifolds with pipeline end manifolds. *Applied Ocean Research*, **2014**, 46, 94-103	3.4	29
104	An integrated optimization model for the layout design of a subsea production system. *Applied Ocean Research*, **2018**, 77, 1-13	3.4	26
103	Ocean Renewable Energy Potential, Technology, and Deployments: A Case Study of Brazil. *Energies*, **2019**, 12, 3658	3.1	22

102	Alternative concept for tidal power plant with reservoir restrictions. *Renewable Energy*, **2009**, 34, 1151-1157	8.1	22
101	Assessment of the offshore wind technical potential for the Brazilian Southeast and South regions. *Energy*, **2020**, 196, 117097	7.9	21
100	Buckle arrestors for deepwater pipelines. *Marine Structures*, **1996**, 9, 873-883	3.8	21
99	Welding stress relaxation effect in butt-jointed steel plates. *Marine Structures*, **2012**, 29, 211-225	3.8	19
98	Phase control strategy for a wave energy hyperbaric converter. *Ocean Engineering*, **2010**, 37, 1483-1490	3.9	19
97	Influence of geometric imperfections on the ultimate strength of the double bottom of a Suezmax tanker. *Engineering Structures*, **2016**, 127, 287-303	4.7	18
96	Theoretical investigation of the compression limits of sealing structures in complex load transferring between subsea connector components. *Journal of Natural Gas Science and Engineering* , **2017**, 44, 202-213	4.6	17
95	Wave energy harvesting using nonlinear stiffness system. *Applied Ocean Research*, **2018**, 74, 102-116	3.4	15
94	Optimal design and scheduling for offshore oil-field development. *Computers and Chemical Engineering*, **2019**, 123, 300-316	4	14
93	Perturbation analysis for upheaval buckling of imperfect buried pipelines based on nonlinear pipe-soil interaction. *Ocean Engineering*, **2017**, 132, 92-100	3.9	13
92	Sandwich Pipes for Ultra Deepwater Applications **2008**,		13
91	Simulation of Transient Heat Transfer of Sandwich Pipes With Active Electrical Heating. *Journal of Offshore Mechanics and Arctic Engineering*, **2005**, 127, 366-370	1.5	13
90	Collapse behaviour of intact and damaged deepwater pipelines and the influence of the reeling method of installation. *Journal of Constructional Steel Research*, **1999**, 50, 99-114	3.8	13
89	An installation system of deepwater risers by an S-lay vessel. *China Ocean Engineering*, **2011**, 25, 139-148	1.1	11
88	Buckling propagation failure in semi-submersible platform columns. *Marine Structures*, **2012**, 28, 2-24	3.8	10
87	Efficiency optimization in a wave energy hyperbaric converter **2009**,		10
86	Thermal insulation of subsea pipelines for different materials. *International Journal of Pressure Vessels and Piping*, **2018**, 168, 100-109	2.4	10
85	Time-dependent redistribution behavior of residual stress after repair welding. *Welding in the World, Le Soudage Dans Le Monde*, **2017**, 61, 507-515	1.9	9

84	Collapse pressure of sandwich pipes with strain-hardening cementitious composite - Part 1: Experiments and parametric study. *Thin-Walled Structures*, **2020**, 148, 106605	4.7	9
83	Wave Energy Hyperbaric Device for Electricity Production **2007**, 627		9
82	Welding residual stresses: a daily history. *Science and Technology of Welding and Joining*, **2015**, 20, 616-621	3.7	8
81	A seismic design method for subsea pipelines against earthquake fault movement. *China Ocean Engineering*, **2011**, 25, 179-188	1.1	8
80	Practical considerations on nonlinear stiffness system for wave energy converter. *Applied Ocean Research*, **2019**, 92, 101935	3.4	7
79	Collapse pressure of sandwich pipes with strain-hardening cementitious composite - Part 2: A suitable prediction equation. *Thin-Walled Structures*, **2020**, 148, 106606	4.7	7
78	Semi-analytical solution for soil-constrained vibration of subsea free-spanning pipelines. *Ships and Offshore Structures*, **2018**, 13, 666-676	1.4	7
77	Effect of material model on residual stress and distortion in T-joint welding. *Ships and Offshore Structures*, **2018**, 13, 56-64	1.4	7
76	Design Aspects and Benefits of Sandwich Pipes for Ultra Deepwaters **2009**,		7
75	Dynamics of risers for earthquake resistant designs. *Petroleum Science*, **2010**, 7, 273-282	4.4	7
74	Surface residual stress evaluation in double-electrode butt welded steel plates. *Materials & Design*, **2010**, 31, 1622-1627		7
73	Environmental impacts of offshore wind installation, operation and maintenance, and decommissioning activities: A case study of Brazil. *Renewable and Sustainable Energy Reviews*, **2021**, 144, 110994	16.2	7
72	Numerical and Experimental Studies of Residual Stresses in Multipass Welding of High Strength Shipbuilding Steel. *Journal of Ship Research*, **2015**, 59, 133-144	0.9	6
71	Collapse and Buckle Propagation of Sandwich Pipes: A Review **2013**,		6
70	Ultimate strength behaviour of submarine pipelines under external pressure and bending. *Journal of Constructional Steel Research*, **1994**, 28, 137-151	3.8	6
69	Structural behavior of threaded connections for sandwich pipes under make-up torque, external pressure, and axial load. *International Journal of Pressure Vessels and Piping*, **2020**, 186, 104156	2.4	6
68	Ultimate bending strength of sandwich pipes with actual interlayer behavior. *Thin-Walled Structures* , **2021**, 161, 107476	4.7	6
67	On the power performance of a wave energy converter with a direct mechanical drive power take-off system controlled by latching. *Renewable Energy*, **2021**, 169, 157-177	8.1	6

66	Redistribution of the residual welding stresses. *Marine Systems and Ocean Technology*, **2013**, 8, 95-100	1.3	5
65	Optimization of the wave energy absorption in oscillating-body systems using extremum seeking approach **2012**,		5
64	Floating protection system for FPSO. *International Journal of Computer Applications in Technology*, **2012**, 43, 199	0.7	5
63	Adhesion Effect on the Ultimate Strength of Sandwich Pipes **2006**, 261		5
62	Reeling Effect on the Ultimate Strength of Sandwich Pipes **2005**, 489		5
61	Limit states for the ultimate strength of tubulars subjected to pressure, bending and tension loads. *Marine Structures*, **1994**, 7, 323-344	3.8	5
60	Buckle propagation of damaged SHCC sandwich pipes: Experimental tests and numerical simulation. *Marine Structures*, **2021**, 77, 102976	3.8	5
59	Under What Conditions SAR Along-Track Interferometry is Suitable for Assessment of Tidal Energy Resource. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2016**, 9, 5011-5022	4.7	5
58	Experimental-based methodology for the double ellipsoidal heat source parameters in welding simulations. *Marine Systems and Ocean Technology*, **2020**, 15, 110-123	1.3	4
57	Modeling for the Optimization Evaluation of Layout Scenarios of Subsea Cluster Manifolds Considering Three Connection Types. *Marine Technology Society Journal*, **2014**, 48, 98-111	0.5	4
56	Sandwich Pipes With Strain Hardening Cementitious Composites (SHCC): Numerical Analyses **2014**,		4
55	Limit Strength of New Sandwich Pipes With Strain Hardening Cementitious Composites (SHCC) Core: Finite Element Modelling **2012**,		4
54	The Effect of the Reeling Laying Method on the Collapse Pressure of Steel Pipes for Deepwater **2004**, 247		4
53	Limit state formulations for TLP tendon and steel riser bodies. *Journal of Constructional Steel Research*, **1995**, 32, 107-121	3.8	4
52	Fracture criteria applied to numerical simulation of blowout preventer ram shearing. *Engineering Failure Analysis*, **2020**, 114, 104596	3.2	4
51	Improved bistable mechanism for wave energy harvesting. *Ocean Engineering*, **2021**, 232, 109139	3.9	4
50	A new partition model for the optimization of subsea cluster manifolds based on the new definition of layout cost. *Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment*, **2016**, 230, 3-12	0.4	3
49	Experimentally based parameters applied to concrete damage plasticity model for strain hardening cementitious composite in sandwich pipes. *Materials and Structures/Materiaux Et Constructions*, **2020**, 53, 1	3.4	3

48	Sandwich Pipe for Long Distance Pipelines: Flow Assurance and Costs **2016**,		3
47	Experimental and numerical analysis of small-scale panels with indented stiffeners. *Journal of Constructional Steel Research*, **2018**, 150, 7-22	3.8	3
46	A nonlinear constrained optimization model for subsea pipe route selection on an undulating seabed with multiple obstacles. *Ocean Engineering*, **2019**, 186, 106088	3.9	3
45	Experimental and Numerical Analyses of Dented Stiffened Panels. *Journal of Offshore Mechanics and Arctic Engineering*, **2015**, 137,	1.5	3
44	Sandwich Pipe: Reel-Lay Installation Effects **2015**,		3
43	Experimental and Numerical Studies of the Wave Energy Hyberbaric Device for Electricity Production **2008**,		3
42	Wave Climate Analysis for a Wave Energy Conversion Application in Brazil **2007**, 897		3
41	RING STIFFENER BEHAVIOUR AND ITS INTERACTION WITH CYLINDRICAL PANEL BU -CKLING.. *Proceedings of the Institution of Civil Engineers*, **1983**, 75, 243-264		3
40	Optimization of Pipe Insulation Volume for a Subsea Production System. *Journal of Offshore Mechanics and Arctic Engineering*, **2020**, 142,	1.5	3
39	URANS simulations of a horizontal axis wind turbine under stall condition using Reynolds stress turbulence models. *Energy*, **2020**, 213, 118766	7.9	3
38	The motion response and hydrodynamic performance comparisons of the new subsea suspended manifold with two mooring scenarios. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2021**, 43, 1	2	3
37	Indentation parameters influence on the ultimate strength of panels for different stiffeners. *Journal of Constructional Steel Research*, **2020**, 170, 106097	3.8	2
36	Wave Energy Hyperbaric Converter: Small Scale Models, Prototype and Control Strategies **2012**,		2
35	Numerical Simulation of Shear Ram Performance **2018**,		2
34	Subsea Production Layout: Design and Cost **2017**,		1
33	Residual Compressive Strength of Dented FPSO Side Shell Panel **2014**,		1
32	Residual Strength of Dented Stiffened Panels **2013**,		1
31	Thermal Analysis of Sandwich Pipes With Active Electrical Heating **2003**, 809		1

30	Simulation of Transient Heat Transfer of Sandwich Pipes With Active Electrical Heating **2004**, 105		1
29	Misorientation Changes and Residual Stresses Redistribution after Welding. A Physical Simulation. *Materials Research*, **2019**, 22,	1.5	1
28	Influence of the WRF model and atmospheric reanalysis on the offshore wind resource potential and cost estimation: A case study for Rio de Janeiro State. *Energy*, **2021**, 240, 122767	7.9	1
27	Hardware-in-the-loop development of a heaving point absorber wave energy converter using inertia emulation. *Electrical Engineering*,1	1.5	1
26	Structural and Thermal Analyses of Deepwater Pipes **2021**,		1
25	Mixed-integer nonlinear programming model for layout design of subsea satellite well system in deep water oil field. *Automation in Construction*, **2021**, 123, 103524	9.6	1
24	Insulation Performance of Sandwich Pipe **2018**,		1
23	Viscous effect for heaving cylindrical point absorbers controlled by a latching control system and a novel approach to viscous force. *Journal of Ocean Engineering and Marine Energy*, **2021**, 7, 363-378	1.5	1
22	A simplified equation for the collapse pressure of sandwich pipes with different core materials. *Ocean Engineering*, **2022**, 254, 111292	3.9	1
21	The effect of eccentricity on the collapse behaviour of sandwich pipes. *Applied Ocean Research*, **2022**, 124, 103190	3.4	1
20	Application of the Latching Control System on the Power Performance of a Wave Energy Converter Characterized by Gearbox, Flywheel, and Electrical Generator. *Journal of Marine Science and Application*, **2021**, 20, 767	1.2	0
19	Evaluation of the Double Snap-Through Mechanism on the Wave Energy Converter Performance. *Journal of Marine Science and Application*, **2021**, 20, 268-283	1.2	0
18	A mathematical solution of optimal partition of production loops for subsea wells in the layout of daisy chains. *Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment*, **2014**, 228, 211-219	0.4	
17	Scenario Evaluation for Subsea Production System. *Marine Systems and Ocean Technology*, **2008**, 4, 73-87	1.3	
16	Influence of the Geometric Imperfection on the Buckling Behavior of Floating Platform Column Under Axial Load **2007**, 489		
15	Thermal-Hydraulic Analysis of Heavy Oil Transportation in Heated Sandwich Pipelines **2005**, 457		
14	Steady-State Analysis of Heavy Oil Transportation **2021**, 191-196		
13	Analysis of Direct Electrical Heating **2021**, 197-204		

12	Transient Analysis of Multilayer Composite Pipelines with Active Heating **2021**, 205-220	
11	Sandwich Pipes **2021**, 7-13	
10	Sandwich Pipes Filled with Steel Fiber Reinforced Concrete **2021**, 15-34	
9	Sandwich Pipes Filled with PVA Fiber Reinforced Cementitious Composites **2021**, 35-58	
8	Buckle Propagation of Sandwich Pipes **2021**, 59-71	
7	Sandwich Pipe: Reel-Lay Installation Effects **2021**, 73-86	
6	Pipes Conveying Gas□liquid Two-Phase Flow **2021**, 109-124	
5	Redistribution of Grain Boundary Misorientation and Residual Stresses of Thermomechanically Simulated Welding in an Intercritically Reheated Coarse Grained Heat Affected Zone. *Metals*, **2021**, 11, 1850	2.3
4	Subsea Water Separation: A Promising Strategy for Offshore Field Development **2018**, 537-543	
3	Internal Corrosion Simulation of Long Distance Sandwich Pipe **2018**, 447-452	
2	Repair welding in pipes: experimental study of residual welding stresses **2020**, 20, 174-175	0
1	Ram Performance and Hydraulic Modeling of Subsea Blowout Preventer Control System. *SPE Drilling and Completion*, **2022**, 1-15	1.4