

# Irma ChacÃ³n

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9814680/publications.pdf>

Version: 2024-02-01

47  
papers

501  
citations

933447

10  
h-index

839539

18  
g-index

47  
all docs

47  
docs citations

47  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the welding sequence on residual stress and distortion of fillet welded structures. <i>Marine Structures</i> , 2016, 46, 30-55.	3.8	107
2	Effect of boundary conditions on residual stress and distortion in T-joint welds. <i>Journal of Constructional Steel Research</i> , 2014, 102, 121-135.	3.9	75
3	Parameter determination of double-ellipsoidal heat source model and its application in the multi-pass welding process. <i>Ships and Offshore Structures</i> , 2015, 10, 204-217.	1.9	50
4	An integrated optimization model for the layout design of a subsea production system. <i>Applied Ocean Research</i> , 2018, 77, 1-13.	4.1	44
5	A review of the multicriteria decision analysis applied to oil and gas decommissioning problems. <i>Ocean and Coastal Management</i> , 2020, 184, 105000.	4.4	36
6	Optimal design and scheduling for offshore oil-field development. <i>Computers and Chemical Engineering</i> , 2019, 123, 300-316.	3.8	26
7	Fatigue performance of pre-strained pipes with girth weld defects: Full-scale experiments and analyses. <i>International Journal of Fatigue</i> , 2008, 30, 767-778.	5.7	22
8	Thermal insulation of subsea pipelines for different materials. <i>International Journal of Pressure Vessels and Piping</i> , 2018, 168, 100-109.	2.6	22
9	Fatigue performance of pre-strained pipes with girth weld defects: Local deformation mechanisms under bending. <i>International Journal of Fatigue</i> , 2008, 30, 1080-1091.	5.7	14
10	Collapse pressure of sandwich pipes with strain-hardening cementitious composite - Part 1: Experiments and parametric study. <i>Thin-Walled Structures</i> , 2020, 148, 106605.	5.3	11
11	Mixed-integer nonlinear programming model for layout design of subsea satellite well system in deep water oil field. <i>Automation in Construction</i> , 2021, 123, 103524.	9.8	11
12	Ratcheting of corroded pipes under cyclic bending and internal pressure. <i>International Journal of Pressure Vessels and Piping</i> , 2015, 125, 35-48.	2.6	9
13	A nonlinear constrained optimization model for subsea pipe route selection on an undulating seabed with multiple obstacles. <i>Ocean Engineering</i> , 2019, 186, 106088.	4.3	9
14	Collapse pressure of sandwich pipes with strain-hardening cementitious composite - Part 2: A suitable prediction equation. <i>Thin-Walled Structures</i> , 2020, 148, 106606.	5.3	9
15	Effect of material model on residual stress and distortion in T-joint welding. <i>Ships and Offshore Structures</i> , 2018, 13, 56-64.	1.9	8
16	Numerical and Experimental Studies of Residual Stresses in Multipass Welding of High Strength Shipbuilding Steel. <i>Journal of Ship Research</i> , 2015, 59, 133-144.	1.1	6
17	Optimization of Pipe Insulation Volume for a Subsea Production System. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2020, 142, .	1.2	6
18	Sandwich Pipes With Strain Hardening Cementitious Composites (SHCC): Numerical Analyses. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
19	Modeling for the Optimization Evaluation of Layout Scenarios of Subsea Cluster Manifolds Considering Three Connection Types. Marine Technology Society Journal, 2014, 48, 98-111.	0.4	5
20	Sandwich Pipe for Long Distance Pipelines: Flow Assurance and Costs. , 2016, , .		4
21	Fatigue Performance of Reeled Risers. , 2004, , 235.		3
22	Core Material Performance on the Propagation Pressure of Sandwich Pipes. , 2008, , .		3
23	Wave Energy Hyperbaric Converter: Small Scale Models, Prototype and Control Strategies. , 2012, , .		3
24	Sandwich Pipe: Reel-Lay Installation Effects. , 2015, , .		3
25	Subsea Production Layout: Design and Cost. , 2017, , .		2
26	Numerical Simulation of Shear Ram Performance. , 2018, , .		2
27	Propagation of Buckles in Sandwich Pipes Under External Pressure. , 2005, , 609.		1
28	Aluminum Drill Pipes: Material and Design Developments. , 2008, , .		1
29	Low Cycle Fatigue of Corroded Pipes Under Cyclic Bending and Internal Pressure. , 2010, , .		1
30	Development and Experimental Calibration of Numerical Model Based on Beam Theory to Estimate the Collapse Pressure of Flexible Pipes. , 2015, , .		1
31	Hydraulic Analytical Model of the BOP Control System to Estimate Related Response Times. , 2018, , .		1
32	Insulation Performance of Sandwich Pipe. , 2018, , .		1
33	Finite Element Modeling of Transient Temperature and Residual Stress Distribution Analysis in Multi-Pass Welding Process. , 2012, , .		0
34	Ratcheting of Corroded Pipes. , 2012, , .		0
35	Shakedown Study of Pipes With External Corrosion Under Cyclic Bending and Internal Pressure. , 2013, , .		0
36	Effects of Preheat and Interpass Temperature on the Residual Stress and Distortion on the T-Joint Weld. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Preliminary Design of Floating Point Absorber Offshore Rio de Janeiro. , 2015, , .		0
38	Optimization of Pipe Insulation Volume for a Subsea Production System. , 2018, , .		0
39	Experimental and Numerical Evaluations of Aluminum Drill Pipes Under Cyclic Loads. , 2006, , .		0
40	Low Cycle Fatigue of Internally Pressurized Corroded Pipes Under Cyclic Bending. , 2009, , .		0
41	Subsea Water Separation: A Promising Strategy for Offshore Field Development. , 2018, , 537-543.		0
42	Internal Corrosion Simulation of Long Distance Sandwich Pipe. , 2018, , 447-452.		0
43	An Application of Fault Tree Analysis for Decommissioning of Subsea Flexible Pipeline in Brazil. , 2019, , .		0
44	Computational Simulation of the Drilling Vessel Motion and its Effects on the Riser/BOP Connection. , 2019, , .		0
45	Life cycle assessment of decommissioning process for subsea pipelines in Brazil. Technical Papers ... Rio Oil & Gas, 2020, 20, 240-241.	0.0	0
46	A deep learning approach for automatic identification of subsea events using AUV data. Technical Papers ... Rio Oil & Gas, 2020, 20, 370-371.	0.0	0
47	Modeling the framework of social impacts for the decommissioning of offshore submarine systems. Technical Papers ... Rio Oil & Gas, 2020, 20, 242-243.	0.0	0