

# Irma ChacÃ³n

## List of Publications by Year in descending order

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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	Mixed-integer nonlinear programming model for layout design of subsea satellite well system in deep water oil field. Automation in Construction, 2021, 123, 103524.	9.8	11
2	A review of the multicriteria decision analysis applied to oil and gas decommissioning problems. Ocean and Coastal Management, 2020, 184, 105000.	4.4	36
3	Collapse pressure of sandwich pipes with strain-hardening cementitious composite - Part 2: A suitable prediction equation. Thin-Walled Structures, 2020, 148, 106606.	5.3	9
4	Collapse pressure of sandwich pipes with strain-hardening cementitious composite - Part 1: Experiments and parametric study. Thin-Walled Structures, 2020, 148, 106605.	5.3	11
5	Optimization of Pipe Insulation Volume for a Subsea Production System. Journal of Offshore Mechanics and Arctic Engineering, 2020, 142, .	1.2	6
6	Life cycle assessment of decommissioning process for subsea pipelines in Brazil. Technical Papers ... Rio Oil & Gas, 2020, 20, 240-241.	0.0	0
7	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
8	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
9	A nonlinear constrained optimization model for subsea pipe route selection on an undulating seabed with multiple obstacles. Ocean Engineering, 2019, 186, 106088.	4.3	9
10	Optimal design and scheduling for offshore oil-field development. Computers and Chemical Engineering, 2019, 123, 300-316.	3.8	26
11	An Application of Fault Tree Analysis for Decommissioning of Subsea Flexible Pipeline in Brazil. , 2019, , .		0
12	Computational Simulation of the Drilling Vessel Motion and its Effects on the Riser/BOP Connection. , 2019, , .		0
13	Effect of material model on residual stress and distortion in T-joint welding. Ships and Offshore Structures, 2018, 13, 56-64.	1.9	8
14	Optimization of Pipe Insulation Volume for a Subsea Production System. , 2018, , .		0
15	Hydraulic Analytical Model of the BOP Control System to Estimate Related Response Times. , 2018, , .		1
16	Numerical Simulation of Shear Ram Performance. , 2018, , .		2
17	Thermal insulation of subsea pipelines for different materials. International Journal of Pressure Vessels and Piping, 2018, 168, 100-109.	2.6	22
18	Insulation Performance of Sandwich Pipe. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	An integrated optimization model for the layout design of a subsea production system. Applied Ocean Research, 2018, 77, 1-13.	4.1	44
20	Subsea Water Separation: A Promising Strategy for Offshore Field Development. , 2018, , 537-543.		0
21	Internal Corrosion Simulation of Long Distance Sandwich Pipe. , 2018, , 447-452.		0
22	Subsea Production Layout: Design and Cost. , 2017, , .		2
23	Sandwich Pipe for Long Distance Pipelines: Flow Assurance and Costs. , 2016, , .		4
24	Influence of the welding sequence on residual stress and distortion of fillet welded structures. Marine Structures, 2016, 46, 30-55.	3.8	107
25	Preliminary Design of Floating Point Absorber Offshore Rio de Janeiro. , 2015, , .		0
26	Numerical and Experimental Studies of Residual Stresses in Multipass Welding of High Strength Shipbuilding Steel. Journal of Ship Research, 2015, 59, 133-144.	1.1	6
27	Development and Experimental Calibration of Numerical Model Based on Beam Theory to Estimate the Collapse Pressure of Flexible Pipes. , 2015, , .		1
28	Sandwich Pipe: Reel-Lay Installation Effects. , 2015, , .		3
29	Ratcheting of corroded pipes under cyclic bending and internal pressure. International Journal of Pressure Vessels and Piping, 2015, 125, 35-48.	2.6	9
30	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.	1.9	50
31	Effects of Preheat and Interpass Temperature on the Residual Stress and Distortion on the T-Joint Weld. , 2014, , .		0
32	Sandwich Pipes With Strain Hardening Cementitious Composites (SHCC): Numerical Analyses. , 2014, , .		5
33	Effect of boundary conditions on residual stress and distortion in T-joint welds. Journal of Constructional Steel Research, 2014, 102, 121-135.	3.9	75
34	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
35	Shakedown Study of Pipes With External Corrosion Under Cyclic Bending and Internal Pressure. , 2013, , .		0
36	Finite Element Modeling of Transient Temperature and Residual Stress Distribution Analysis in Multi-Pass Welding Process. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Wave Energy Hyperbaric Converter: Small Scale Models, Prototype and Control Strategies. , 2012, , .		3
38	Ratcheting of Corroded Pipes. , 2012, , .		0
39	Low Cycle Fatigue of Corroded Pipes Under Cyclic Bending and Internal Pressure. , 2010, , .		1
40	Low Cycle Fatigue of Internally Pressurized Corroded Pipes Under Cyclic Bending. , 2009, , .		0
41	Fatigue performance of pre-strained pipes with girth weld defects: Full-scale experiments and analyses. International Journal of Fatigue, 2008, 30, 767-778.	5.7	22
42	Fatigue performance of pre-strained pipes with girth weld defects: Local deformation mechanisms under bending. International Journal of Fatigue, 2008, 30, 1080-1091.	5.7	14
43	Core Material Performance on the Propagation Pressure of Sandwich Pipes. , 2008, , .		3
44	Aluminum Drill Pipes: Material and Design Developments. , 2008, , .		1
45	Experimental and Numerical Evaluations of Aluminum Drill Pipes Under Cyclic Loads. , 2006, , .		0
46	Propagation of Buckles in Sandwich Pipes Under External Pressure. , 2005, , 609.		1
47	Fatigue Performance of Reeled Risers. , 2004, , 235.		3