

# Claudio A Rodríguez

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

540  
citations

759233

12  
h-index

642732

23  
g-index

42  
all docs

42  
docs citations

42  
times ranked

387  
citing authors

#	ARTICLE	IF	CITATIONS
1	A geometrical optimization method applied to a heaving point absorber wave energy converter. <i>Renewable Energy</i> , 2018, 115, 533-546.	8.9	100
2	On unstable ship motions resulting from strong non-linear coupling. <i>Ocean Engineering</i> , 2006, 33, 1853-1883.	4.3	81
3	Influence of non-linearities on the limits of stability of ships rolling in head seas. <i>Ocean Engineering</i> , 2007, 34, 1618-1630.	4.3	45
4	Nonlinear Container Ship Model for the Study of Parametric Roll Resonance. <i>Modeling, Identification and Control</i> , 2007, 28, 87-103.	1.1	42
5	The CECO wave energy converter: Recent developments. <i>Renewable Energy</i> , 2019, 139, 368-384.	8.9	41
6	An overview of the current research on stability of ships and ocean vehicles: The STAB2018 perspective. <i>Ocean Engineering</i> , 2019, 186, 106090.	4.3	29
7	Hydrodynamic optimization of the geometry of a sloped-motion wave energy converter. <i>Ocean Engineering</i> , 2020, 199, 107046.	4.3	29
8	A Non-Linear Mathematical Model of Higher Order for Strong Parametric Resonance of the Roll Motion of Ships in Waves. <i>Marine Systems and Ocean Technology</i> , 2005, 1, 69-81.	1.0	23
9	Assessment of damping coefficients of power take-off systems of wave energy converters: A hybrid approach. <i>Energy</i> , 2019, 169, 1022-1038.	8.8	21
10	Assessment of the power conversion of wave energy converters based on experimental tests. <i>Energy Conversion and Management</i> , 2018, 173, 692-703.	9.2	18
11	A nonlinear model of parametric rolling stabilization by anti-roll tanks. <i>Ocean Engineering</i> , 2009, 36, 1048-1059.	4.3	17
12	A coupled non-linear mathematical model of parametric resonance of ships in head seas. <i>Applied Mathematical Modelling</i> , 2009, 33, 2630-2645.	4.2	17
13	Realistic estimation of roll damping coefficients in waves based on model tests and numerical simulations. <i>Ocean Engineering</i> , 2020, 213, 107664.	4.3	13
14	Geometry assessment of a sloped type wave energy converter. <i>Renewable Energy</i> , 2021, 171, 672-686.	8.9	10
15	On the Occurrence of Mathieu Instabilities of Vertical Cylinders. , 2008, , .		8
16	Benchmark data and comprehensive uncertainty analysis of two-body interaction model tests in a towing tank. <i>Ocean Engineering</i> , 2019, 171, 663-676.	4.3	7
17	Hybrid Systems for Marine Energy Harvesting. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 633.	2.6	7
18	A time-efficient approach for nonlinear hydrostatic and Froude-Krylov forces for parametric roll assessment in irregular seas. <i>Ocean Engineering</i> , 2016, 120, 246-255.	4.3	6

#	ARTICLE	IF	CITATIONS
19	Nonlinear Instabilities of Spar Platforms in Waves. , 2012, , .		5
20	An Experimental Approach for the Offshore Launching of Jack-Ups. Journal of Offshore Mechanics and Arctic Engineering, 2014, 136, .	1.2	3
21	Stability analysis of ships undergoing strong roll amplifications in head seas. Marine Systems and Ocean Technology, 2006, 2, 15-26.	1.0	2
22	New Methodology for the Determination of the Vertical Center of Gravity of In-service Semisubmersibles: Experimental Assessment. Journal of Offshore Mechanics and Arctic Engineering, 2017, 139, .	1.2	2
23	Experimental Assessment of the Performance of CECO Wave Energy Converter in Irregular Waves. Journal of Offshore Mechanics and Arctic Engineering, 2019, 141, .	1.2	2
24	Investigation on Parametrically Excited Motions of Spar Platforms in Waves. Fluid Mechanics and Its Applications, 2019, , 291-305.	0.2	2
25	Availability analysis of a ship-to-ground FSO link. Journal of Optical Communications and Networking, 2022, 14, 339.	4.8	2
26	On the limits of stability of ships rolling in head seas. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2009, 223, 517-528.	0.5	1
27	Domains of Parametric Roll Amplification for Different Hull Forms. , 2012, , 107-127.		1
28	Assessment of a Jack-Up Offshore Launching Through Model Tests and Field Measurements. Journal of Offshore Mechanics and Arctic Engineering, 2015, 137, .	1.2	1
29	New Methodology for the Determination of the Vertical Center of Gravity of In-Service Semisubmersibles: Proposal and Numerical Assessment. Journal of Offshore Mechanics and Arctic Engineering, 2017, 139, .	1.2	1
30	Experimental Assessment of the Performance of CECO Wave Energy Converter in Irregular Waves. , 2018, , .		1
31	Nonlinear Dynamics on Parametric Rolling of Ships in Head Seas. Fluid Mechanics and Its Applications, 2011, , 449-462.	0.2	1
32	A Nonlinear Numerical Algorithm for Time-Domain Hydrodynamic Simulations of Vessel Motions in the Presence of Waves. , 2012, , .		1
33	An investigation on the control of roll excitation in head seas with U-type stabilizing tanks. Marine Systems and Ocean Technology, 2007, 3, 103-112.	1.0	0
34	Bifurcation analysis of unstable ship motions resulting from strong nonlinear coupling. Marine Systems and Ocean Technology, 2009, 5, 23-31.	1.0	0
35	Nonlinear Coupling of Unstable Ship Motions in Head Seas: Bifurcation Analysis and Erosion of Safe Basin. , 2009, , .		0
36	Control of Unstable Ship Motions Using Anti-Rolling Tanks: Erosion of Safe Basins. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
37	Offshore Launching of Jack-Up Units: An Experimental Approach. , 2013, , .		0
38	Experimental Assessment of the Offshore Launching Operation of a Jack-Up Unit. , 2014, , .		0
39	Optimization of wave energy converters in the OPWEC project. , 2018, , 657-665.		0
40	Experimental study of two mooring systems for wave energy converters. , 2018, , 667-676.		0
41	Estimation of Roll Damping Coefficients Based on Model Tests Responses of a FPSO in Waves. , 2019, , .		0