IÃ±igo J Losada

List of Publications by Year
in descending order

228 papers	12,850 citations	17405 63 h-index	27345 106 g-index
231 all docs	231 docs citations	231 times ranked	8615 citing authors

#	Article	IF	Citations
1	The role of coastal plant communities for climate change mitigation and adaptation. Nature Climate Change, 2013, 3, 961-968.	8.1	1,369
2	An empirical model to estimate the propagation of random breaking and nonbreaking waves over vegetation fields. Coastal Engineering, 2004, 51, 103-118.	1.7	425
3	Realistic wave generation and active wave absorption for Navierâ€“Stokes models. Coastal Engineering, 2013, 71, 102-118.	1.7	420
4	The Effectiveness, Costs and Coastal Protection Benefits of Natural and Nature-Based Defences. PLoS ONE, 2016, 11, e0154735.	1.1	371
5	A recent increase in global wave power as a consequence of oceanic warming. Nature Communications, 2019, 10, 205.	5.8	283
6	The role of seagrasses in coastal protection in a changing climate. Coastal Engineering, 2014, 87, 158-168.	1.7	247
7	A global wave power resource and its seasonal, interannual and long-term variability. Applied Energy, 2015, 148, 366-380.	5.1	247
8	Identifying knowledge gaps hampering application of intertidal habitats in coastal protection: Opportunities & steps to take. Coastal Engineering, 2014, 87, 147-157.	1.7	244
9	Simulating coastal engineering processes with OpenFOAMÂ®. Coastal Engineering, 2013, 71, 119-134.	1.7	236
10	The global flood protection savings provided by coral reefs. Nature Communications, 2018, 9, 2186.	5.8	204
11	The Global Flood Protection Benefits of Mangroves. Scientific Reports, 2020, 10, 4404.	1.6	201
12	A Global Ocean Wave (GOW) calibrated reanalysis from 1948 onwards. Coastal Engineering, 2012, 65, 38-55.	1.7	200
13	Numerical analysis of wave overtopping of rubble mound breakwaters. Coastal Engineering, 2008, 55, 47-62.	1.7	199
14	Three-dimensional interaction of waves and porous coastal structures using OpenFOAMÂ®. Part I: Formulation and validation. Coastal Engineering, 2014, 83, 243-258.	1.7	191
15	RANS modelling applied to random wave interaction with submerged permeable structures. Coastal Engineering, 2006, 53, 395-417.	1.7	188
16	Hydrodynamics induced by wind waves in a vegetation field. Journal of Geophysical Research, 1999, 104, 18383-18396.	3.3	175
17	3-D non-breaking regular wave interaction with submerged breakwaters. Coastal Engineering, 1996, 28, 229-248.	1.7	164
18	Global extreme wave height variability based on satellite data. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	158

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19	2-D numerical analysis of near-field flow at low-crested permeable breakwaters. Coastal Engineering, 2004, 51, 991-1020.	1.7	155
20	Estimation of the long-term variability of extreme significant wave height using a time-dependent Peak Over Threshold (POT) model. Journal of Geophysical Research, 2006, 111, .	3.3	146
21	Three-dimensional interaction of waves and porous coastal structures. Coastal Engineering, 2012, 64, 57-72.	1.7	128
22	Propagation of oblique incident waves past rigid vertical thin barriers. Applied Ocean Research, 1992, 14, 191-199.	1.8	127
23	Tsunami wave interaction with mangrove forests: A 3-D numerical approach. Coastal Engineering, 2015, 98, 33-54.	1.7	121
24	Variability of extreme wave heights in the northeast Pacific Ocean based on buoy measurements. Geophysical Research Letters, 2008, 35, .	1.5	114
25	Validation of OpenFOAMÂ® for Oscillating Water Column three-dimensional modeling. Ocean Engineering, 2015, 107, 222-236.	1.9	113
26	GOW2: A global wave hindcast for coastal applications. Coastal Engineering, 2017, 124, 1-11.	1.7	113
27	A coupled model of submerged vegetation under oscillatory flow using Navierâ€“Stokes equations. Coastal Engineering, 2013, 80, 16-34.	1.7	112
28	Application of HF radar currents to oil spill modelling. Marine Pollution Bulletin, 2009, 58, 238-248.	2.3	101
29	Analyzing Monthly Extreme Sea Levels with a Time-Dependent GEV Model. Journal of Atmospheric and Oceanic Technology, 2007, 24, 894-911.	0.5	100
30	Wave interaction with low-mound breakwaters using a RANS model. Ocean Engineering, 2008, 35, 1388-1400.	1.9	99
31	Three-dimensional interaction of waves and porous coastal structures using OpenFOAMÂ®. Part II: Application. Coastal Engineering, 2014, 83, 259-270.	1.7	99
32	Large-scale experiments on wave propagation over <i>Posidonia oceanica</i>. Journal of Hydraulic Research/De Recherches Hydrauliques, 2011, 49, 31-43.	0.7	98
33	Evaluating the performance of CMIP3 and CMIP5 global climate models over the north-east Atlantic region. Climate Dynamics, 2014, 43, 2663-2680.	1.7	98
34	Managing coastal erosion under climate change at the regional scale. Coastal Engineering, 2017, 128, 106-122.	1.7	94
35	Climate change-driven coastal erosion modelling in temperate sandy beaches: Methods and uncertainty treatment. Earth-Science Reviews, 2020, 202, 103110.	4.0	94
36	Statistical wave climate projections for coastal impact assessments. Earth's Future, 2017, 5, 918-933.	2.4	93

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37	Addressing the challenges of climate change risks and adaptation in coastal areas: A review. Coastal Engineering, 2020, 156, 103611.	1.7	93
38	Turbulence in the swash and surf zones: a review. Coastal Engineering, 2002, 45, 129-147.	1.7	92
39	A weather-type statistical downscaling framework for ocean wave climate. Journal of Geophysical Research: Oceans, 2014, 119, 7389-7405.	1.0	91
40	A new formulation for vegetation-induced damping under combined waves and currents. Coastal Engineering, 2016, 107, 1-13.	1.7	91
41	Large-scale 3-D experiments of wave and current interaction with real vegetation. Part 2: Experimental analysis. Coastal Engineering, 2015, 106, 73-86.	1.7	90
42	Three-dimensional numerical wave generation with moving boundaries. Coastal Engineering, 2015, 101, 35-47.	1.7	90
43	Reynolds averaged Navierâ€“Stokes modelling of long waves induced by a transient wave group on a beach. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 1215-1242.	1.0	87
44	Climate change risk to global port operations. Nature Climate Change, 2021, 11, 14-20.	8.1	86
45	Harmonic generation past a submerged porous step. Coastal Engineering, 1997, 31, 281-304.	1.7	85
46	Factors that influence array layout on wave energy farms. Ocean Engineering, 2014, 82, 32-41.	1.9	85
47	A global classification of coastal flood hazard climates associated with large-scale oceanographic forcing. Scientific Reports, 2017, 7, 5038.	1.6	85
48	The influence of seasonality on estimating return values of significant wave height. Coastal Engineering, 2009, 56, 211-219.	1.7	79
49	Future behavior of wind wave extremes due to climate change. Scientific Reports, 2021, 11, 7869.	1.6	79
50	Numerical modelling of short- and long-wave transformation on a barred beach. Coastal Engineering, 2010, 57, 317-330.	1.7	78
51	Statistical multi-model climate projections of surface ocean waves in Europe. Ocean Modelling, 2015, 96, 161-170.	1.0	78
52	Calibration of a Lagrangian Transport Model Using Drifting Buoys Deployed during the<i>Prestige</i>Oil Spill. Journal of Coastal Research, 2009, 251, 80-90.	0.1	77
53	Effects of Climate Change on Exposure to Coastal Flooding in Latin America and the Caribbean. PLoS ONE, 2015, 10, e0133409.	1.1	77
54	The Prestige Oil Spill in Cantabria (Bay of Biscay). Part I: Operational Forecasting System for Quick Response, Risk Assessment, and Protection of Natural Resources. Journal of Coastal Research, 2006, 226, 1474-1489.	0.1	76

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55	Three-dimensional interaction of waves and porous coastal structures. Coastal Engineering, 2012, 64, 26-46.	1.7	74
56	Experimental modelling of a multi-use floating platform for wave and wind energy harvesting. Ocean Engineering, 2019, 173, 761-773.	1.9	73
57	Long-term changes in sea-level components in Latin America and the Caribbean. Global and Planetary Change, 2013, 104, 34-50.	1.6	72
58	Extreme wave climate variability in southern Europe using satellite data. Journal of Geophysical Research, 2010, 115, .	3.3	70
59	Review of Innovative Harbor Breakwaters for Wave-Energy Conversion. Journal of Waterway, Port, Coastal and Ocean Engineering, 2019, 145, .	0.5	69
60	Wave propagation modeling in coastal engineering. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 229-240.	0.7	68
61	Variability of multivariate wave climate in Latin America and the Caribbean. Global and Planetary Change, 2013, 100, 70-84.	1.6	68
62	Time-domain modeling of a fixed detached oscillating water column towards a floating multi-chamber device. Ocean Engineering, 2014, 76, 65-74.	1.9	68
63	An analytical method to evaluate the efficiency of porous screens as wave dampers. Applied Ocean Research, 1993, 15, 207-215.	1.8	66
64	A perturbation method to solve dispersion equations for water waves over dissipative media. Coastal Engineering, 2004, 51, 81-89.	1.7	66
65	Directional Calibration of Wave Reanalysis Databases Using Instrumental Data. Journal of Atmospheric and Oceanic Technology, 2011, 28, 1466-1485.	0.5	66
66	Modelling of velocity and turbulence fields around and within low-crested rubble-mound breakwaters. Coastal Engineering, 2005, 52, 887-913.	1.7	63
67	Modeling of surf zone processes on a natural beach using Reynoldsâ€Averaged Navierâ€Stokes equations. Journal of Geophysical Research, 2007, 112, .	3.3	62
68	Uncertainty analysis of wave energy farms financial indicators. Renewable Energy, 2014, 68, 570-580.	4.3	62
69	Modeling the Interaction of Water Waves with Porous Coastal Structures. Journal of Waterway, Port, Coastal and Ocean Engineering, 2016, 142, .	0.5	62
70	Solitary Wave Interaction with Porous Breakwaters. Journal of Waterway, Port, Coastal and Ocean Engineering, 2000, 126, 314-322.	0.5	61
71	Numerical modeling of nonlinear resonance of semi-enclosed water bodies: Description and experimental validation. Coastal Engineering, 2008, 55, 21-34.	1.7	61
72	An approach to assess flooding and erosion risk for open beaches in a changing climate. Coastal Engineering, 2014, 87, 50-76.	1.7	61

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73	Temporal and spatial relationship between sediment grain size and beach profile. Marine Geology, 1994, 118, 195-206.	0.9	60
74	Numerical analysis of wave loads for coastal structure stability. Coastal Engineering, 2009, 56, 543-558.	1.7	59
75	Experimental analysis of wave attenuation and drag forces in a realistic fringe Rhizophora mangrove forest. Advances in Water Resources, 2019, 131, 103376.	1.7	59
76	Experimental study of wave-induced flow in a porous structure. Coastal Engineering, 1995, 26, 77-98.	1.7	58
77	Desalination in Spain: Recent developments and recommendations. Desalination, 2010, 255, 97-106.	4.0	55
78	Near field brine discharge modeling part 2: Validation of commercial tools. Desalination, 2012, 290, 28-42.	4.0	54
79	Interaction of non-breaking directional random waves with submerged breakwaters. Coastal Engineering, 1996, 28, 249-266.	1.7	53
80	Breaking waves over a mild gravel slope: Experimental and numerical analysis. Journal of Geophysical Research, 2006, 111, .	3.3	53
81	Wave Attenuation by <i>Spartina</i> Saltmarshes in the Chesapeake Bay Under Storm Surge Conditions. Journal of Geophysical Research: Oceans, 2019, 124, 5220-5243.	1.0	53
82	ESTELA: a method for evaluating the source and travel time of the wave energy reaching a local area. Ocean Dynamics, 2014, 64, 1181-1191.	0.9	52
83	Estimating the risk of loss of beach recreation value under climate change. Tourism Management, 2018, 68, 387-400.	5.8	51
84	Numerical analysis of run-up oscillations under dissipative conditions. Coastal Engineering, 2014, 86, 45-56.	1.7	46
85	Large-scale 3-D experiments of wave and current interaction with real vegetation. Part 1: Guidelines for physical modeling. Coastal Engineering, 2016, 107, 70-83.	1.7	46
86	Water Waves on Crown Breakwaters. Journal of Waterway, Port, Coastal and Ocean Engineering, 1993, 119, 367-380.	0.5	45
87	Valuing the protection services of mangroves at national scale: The Philippines. Ecosystem Services, 2018, 34, 24-36.	2.3	45
88	Radiation stress and low-frequency energy balance within the surf zone: A numerical approach. Coastal Engineering, 2012, 68, 44-55.	1.7	44
89	Adaptability of a generic wave energy converter to different climate conditions. Renewable Energy, 2015, 78, 322-333.	4.3	44
90	Breaking solitary wave evolution over a porous underwater step. Coastal Engineering, 2011, 58, 837-850.	1.7	43

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91	Solitary wave attenuation by vegetation patches. Advances in Water Resources, 2016, 98, 159-172.	1.7	41
92	The SPR systems model as a conceptual foundation for rapid integrated risk appraisals: Lessons from Europe. Coastal Engineering, 2014, 87, 15-31.	1.7	39
93	A method for finding the optimal predictor indices for local wave climate conditions. Ocean Dynamics, 2014, 64, 1025-1038.	0.9	39
94	Research Priorities for Achieving Healthy Marine Ecosystems and Human Communities in a Changing Climate. Frontiers in Marine Science, 2020, 7, .	1.2	39
95	Transformation model of wave height distribution on planar beaches. Coastal Engineering, 2004, 50, 97-115.	1.7	38
96	Near field brine discharge modelling part 1: Analysis of commercial tools. Desalination, 2012, 290, 14-27.	4.0	38
97	Comparative Coastal Risk Index (CCRI): A multidisciplinary risk index for Latin America and the Caribbean. PLoS ONE, 2017, 12, e0187011.	1.1	38
98	A planning strategy for the adaptation of coastal areas to climate change: The Spanish case. Ocean and Coastal Management, 2019, 182, 104983.	2.0	38
99	Comparative analysis of the methods to compute the radiation term in Cumminsâ€™ equation. Journal of Ocean Engineering and Marine Energy, 2015, 1, 377-393.	0.9	37
100	Probabilistic assessment of port operation downtimes under climate change. Coastal Engineering, 2019, 147, 12-24.	1.7	37
101	Modelling of wave loads and hydraulic performance of vertical permeable structures. Coastal Engineering, 2002, 46, 249-276.	1.7	36
102	Stability analysis of a non-conventional breakwater for wave energy conversion. Coastal Engineering, 2019, 145, 36-52.	1.7	36
103	Wave-Induced Mean Magnitudes in Permeable Submerged Breakwaters. Journal of Waterway, Port, Coastal and Ocean Engineering, 2001, 127, 7-15.	0.5	35
104	Time domain model for a two-body heave converter: Model and applications. Ocean Engineering, 2013, 72, 116-123.	1.9	35
105	A global analysis of the operation and maintenance role on the placing of wave energy farms. Energy Conversion and Management, 2015, 106, 440-456.	4.4	35
106	Tsunamis Generated by Submerged Landslides: Numerical Analysis of the Nearâ€Field Wave Characteristics. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016157.	1.0	33
107	Exploring the interannual variability of extreme wave climate in the Northeast Atlantic Ocean. Ocean Modelling, 2012, 59-60, 31-40.	1.0	32
108	The Risk Reduction Benefits of the Mesoamerican Reef in Mexico. Frontiers in Earth Science, 2019, 7, .	0.8	32

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109	Advantages of an innovative vertical breakwater with an overtopping wave energy converter. Coastal Engineering, 2020, 159, 103713.	1.7	32
110	Forecasting seasonal to interannual variability in extreme sea levels. ICES Journal of Marine Science, 2009, 66, 1490-1496.	1.2	30
111	Extreme wave climate changes in Central-South America. Climatic Change, 2013, 119, 277-290.	1.7	30
112	Likely and High-End Impacts of Regional Sea-Level Rise on the Shoreline Change of European Sandy Coasts Under a High Greenhouse Gas Emissions Scenario. Water (Switzerland), 2019, 11, 2607.	1.2	30
113	Experimental modelling of mooring systems for floating marine energy concepts. Marine Structures, 2019, 63, 153-180.	1.6	30
114	Spectral Ocean Wave Climate Variability Based on Atmospheric Circulation Patterns. Journal of Physical Oceanography, 2014, 44, 2139-2152.	0.7	28
115	Predicting the evolution of coastal protection service with mangrove forest age. Coastal Engineering, 2021, 168, 103922.	1.7	28
116	Walk-to-work accessibility assessment for floating offshore wind turbines. Ocean Engineering, 2016, 116, 216-225.	1.9	26
117	Propagation of oblique incident modulated waves past rigid, vertical thin barriers. Applied Ocean Research, 1993, 15, 305-310.	1.8	24
118	Multi-sectoral, high-resolution assessment of climate change consequences of coastal flooding. Climatic Change, 2017, 145, 431-444.	1.7	24
119	A method for spatial calibration of wave hindcast data bases. Continental Shelf Research, 2008, 28, 391-398.	0.9	23
120	Reflection and transmission of tsunami waves by coastal structures. Applied Ocean Research, 2000, 22, 215-223.	1.8	21
121	Pseudo-optimal parameter selection of non-stationary generalized extreme value models for environmental variables. Environmental Modelling and Software, 2010, 25, 1592-1607.	1.9	21
122	An atmospheric-to-marine synoptic classification for statistical downscaling marine climate. Ocean Dynamics, 2016, 66, 1589-1601.	0.9	21
123	Short-Wave and Wave Group Scattering by Submerged Porous Plate. Journal of Engineering Mechanics - ASCE, 2000, 126, 1048-1056.	1.6	20
124	The influence of wave parameter definition over floating wind platform mooring systems under severe sea states. Ocean Engineering, 2019, 172, 105-126.	1.9	19
125	Sensitivity analysis of time-dependent generalized extreme value models for ocean climate variables. Advances in Water Resources, 2010, 33, 833-845.	1.7	18
126	A nearshore long-term infragravity wave analysis for open harbours. Coastal Engineering, 2015, 97, 78-90.	1.7	18

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127	The use of wave propagation and reduced complexity inundation models and metamodels for coastal flood risk assessment. Journal of Flood Risk Management, 2016, 9, 390-401.	1.6	18
128	Accessibility assessment for operation and maintenance of offshore wind farms in the North Sea. Wind Energy, 2017, 20, 637-656.	1.9	18
129	Mooring system fatigue analysis of a floating offshore wind turbine. Ocean Engineering, 2020, 195, 106670.	1.9	18
130	Wave spectrum scattering by vertical thin barriers. Applied Ocean Research, 1994, 16, 123-128.	1.8	17
131	Wave-induced mean flows in vertical rubble mound structures. Coastal Engineering, 1998, 35, 251-281.	1.7	17
132	A methodology to evaluate regional-scale offshore wind energy resources. , 2011, , .		17
133	Wave Overtopping of PÃ³voa de Varzim Breakwater: Physical and Numerical Simulations. Journal of Waterway, Port, Coastal and Ocean Engineering, 2008, 134, 226-236.	0.5	16
134	Surfing wave climate variability. Global and Planetary Change, 2014, 121, 19-25.	1.6	16
135	Identification of state-space coefficients for oscillating water columns using temporal series. Ocean Engineering, 2014, 79, 43-49.	1.9	16
136	The effect of climate change on wind-wave directional spectra. Global and Planetary Change, 2022, 213, 103820.	1.6	16
137	Visualising the Uncertainty Cascade in Multi-Ensemble Probabilistic Coastal Erosion Projections. Frontiers in Marine Science, 2021, 8, .	1.2	14
138	Effects of Reflective Vertical Structures Permeability on Random Wave Kinematics. Journal of Waterway, Port, Coastal and Ocean Engineering, 1997, 123, 347-353.	0.5	13
139	Standing edge waves on a pocket beach. Journal of Geophysical Research, 2001, 106, 16981-16996.	3.3	13
140	A wind chart to characterize potential offshore wind energy sites. Computers and Geosciences, 2014, 71, 62-72.	2.0	13
141	Hybrid modeling of pore pressure damping in rubble mound breakwaters. Coastal Engineering, 2015, 99, 82-95.	1.7	13
142	Numerical Assessment of Infragravity Swash Response to Offshore Wave Frequency Spread Variability. Journal of Geophysical Research: Oceans, 2019, 124, 6643-6657.	1.0	13
143	Projections of Directional Spectra Help to Unravel the Future Behavior of Wind Waves. Frontiers in Marine Science, 2021, 8, .	1.2	13
144	Return on investment for mangrove and reef flood protection. Ecosystem Services, 2022, 56, 101440.	2.3	13

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145	Confined-crest impact: Forces dimensional analysis and extension of the Goda's formulae to recurved parapets. Coastal Engineering, 2021, 163, 103814.	1.7	12
146	Education and training for integrated coastal zone management in Europe. Ocean and Coastal Management, 2010, 53, 89-98.	2.0	11
147	Metâ€ocean conditions influence on floating offshore wind farms power production. Wind Energy, 2016, 19, 399-420.	1.9	11
148	Ecological typologies of large areas. An application in the Mediterranean Sea. Journal of Environmental Management, 2018, 205, 59-72.	3.8	11
149	OCLE: A European open access database on climate change effects on littoral and oceanic ecosystems. Progress in Oceanography, 2018, 168, 222-231.	1.5	11
150	Toward a Methodology for Estimating Coastal Extreme Sea Levels From Satellite Altimetry. Journal of Geophysical Research: Oceans, 2018, 123, 8284-8298.	1.0	11
151	Assessing the effects of using high-quality data and high-resolution models in valuing flood protection services of mangroves. PLoS ONE, 2019, 14, e0220941.	1.1	11
152	Edge wave scattering by a coastal structure. Fluid Dynamics Research, 2002, 31, 275-287.	0.6	10
153	Directional calibrated wind and wave reanalysis databases using instrumental data for optimal design of off-shore wind farms. , 2011, , .		10
154	Reprint of: Modelling long-term shoreline evolution in highly anthropized coastal areas. Part 2: Assessing the response to climate change. Coastal Engineering, 2021, 169, 103985.	1.7	10
155	Modelling long-term shoreline evolution in highly anthropized coastal areas. Part 1: Model description and validation. Coastal Engineering, 2021, 169, 103960.	1.7	10
156	High-resolution time-dependent probabilistic assessment of the hydraulic performance for historic coastal structures: application to Luarca Breakwater. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190016.	1.6	9
157	Climate change effects on marine renewable energy resources and environmental conditions for offshore aquaculture in Europe. ICES Journal of Marine Science, 2020, 77, 3168-3182.	1.2	9
158	Statistical downscaling of seasonal wave forecasts. Ocean Modelling, 2019, 138, 1-12.	1.0	8
159	Stochastic modeling of long-term wave climate based on weather patterns for coastal structures applications. Coastal Engineering, 2020, 161, 103771.	1.7	8
160	On the importance of mooring system parametrisation for accurate floating structure designs. Marine Structures, 2020, 72, 102765.	1.6	8
161	Vulnerability of Zostera noltei to Sea Level Rise: the Use of Clustering Techniques in Climate Change Studies. Estuaries and Coasts, 2020, 43, 2063-2075.	1.0	8
162	Seaport climate change impact assessment using a multi-level methodology. Maritime Policy and Management, 2020, 47, 544-557.	1.9	8

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163	RECENT ADVANCES IN THE MODELING OF WAVE AND PERMEABLE STRUCTURE INTERACTION. Series on Quality, Reliability and Engineering Statistics, 2001, , 163-202.	0.2	7
164	Wave Interaction With Piled Structures: Application With IH-FOAM. , 2013, , .		6
165	The impact of wind resource spatial variability on floating offshore wind farms finance. Wind Energy, 2017, 20, 1131-1143.	1.9	6
166	The impact of downtime over the long-term energy yield of a floating wind farm. Renewable Energy, 2018, 117, 1-11.	4.3	6
167	Using quantitative dynamic adaptive policy pathways to manage climate change-induced coastal erosion. Climate Risk Management, 2021, 33, 100342.	1.6	6
168	Deep uncertainties in shoreline change projections: an extra-probabilistic approach applied to sandy beaches. Natural Hazards and Earth System Sciences, 2021, 21, 2257-2276.	1.5	6
169	Modelling long-term shoreline evolution in highly anthropized coastal areas. Part 2: Assessing the response to climate change. Coastal Engineering, 2021, 168, 103961.	1.7	6
170	An efficient RANS numerical model for cross-shore beach processes under erosive conditions. Coastal Engineering, 2021, 170, 103975.	1.7	6
171	Chapter 7 Modeling the effects of permeable and reflective structures on waves and nearshore flows. Elsevier Oceanography Series, 2003, , 189-216.	0.1	5
172	Numerical simulation of three-dimensional breaking waves on a gravel slope using a two-phase flow Navierâ€"Stokes model. Journal of Computational and Applied Mathematics, 2013, 246, 144-152.	1.1	5
173	EXPERIMENTAL ANALYSIS OF LONG WAVES AT HARBOUR ENTRANCES. , 2005, , .		4
174	Introducing marine climate variability into life cycle management of coastal and offshore structures. , 2009, , .		4
175	Uniendo ingenierÃa y ecologÃa: la protecciÃ³n costera basada en ecosistemas. Ribagua, 2017, 4, 41-58.	0.3	4
176	Corrientes de retorno en medios reflejantes y disipativos. IngenierÃa Del Agua, 1998, 5, .	0.2	4
177	Validation of tsunami numerical simulation models for an idealized coastal industrial site. Coastal Engineering Journal, 2022, 64, 302-343.	0.7	4
178	Is the extreme wave climate in the NE Pacific increasing?. , 2010, , .		3
179	MEDVSA: A methodology for the design of brine discharges into seawater. Brine discharge modeling. , 2011, , .		3
180	Numerical Modeling of Tsunami Waves Interaction with Porous and Impermeable Vertical Barriers. Journal of Applied Mathematics, 2012, 2012, 1-27.	0.4	3

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181	Extended Long Wave Hindcast inside Port Solutions to Minimize Resonance. Journal of Marine Science and Engineering, 2016, 4, 9.	1.2	3
182	Numerical and Experimental Study of a Multi-Use Platform. , 2016, , .		3
183	Improving construction management of port infrastructures using an advanced computer-based system. Automation in Construction, 2017, 81, 122-133.	4.8	3
184	Assessing the performance of natural and nature based defences. , 2018, , .		3
185	Wave and structure interaction using multi-domain couplings for Navier-Stokes solvers in OpenFOAMÂ®. Part I: Implementation and validation. Coastal Engineering, 2021, 164, 103799.	1.7	3
186	Effects of Wave Reflection and Dissipation on Wave-Induced Second Order Magnitudes. , 1999, , 537.		2
187	2-D Experimental and Numerical Analysis of Wave Interaction With Low-Crested Breakwaters Including Breaking and Flow Recirculation. , 2004, , 863.		2
188	Numerical modeling of brine discharge: commercial models, MEDVSA online simulation tools and advanced computational fluid dynamics. Desalination and Water Treatment, 2013, 51, 543-559.	1.0	2
189	Analysis of the Geometric Tunability of a WEC From a Worldwide Perspective. , 2014, , .		2
190	Methodology to Obtain the Life Cycle Mooring Loads on a Semisubmersible Wind Platform. , 2014, , .		2
191	Evaluation of Walk-to-Work Accessibility for a Floating Wind Turbine. , 2016, , .		2
192	Waves and structure interaction using multi-domain couplings for Navier-Stokes solvers in OpenFOAMÂ®. Part II: Validation and application to complex cases. Coastal Engineering, 2021, 164, 103818.	1.7	2
193	AnÃ¡lisis experimental de ondas largas en la bocana del puerto de GijÃ³n. IngenierÃa Del Agua, 2002, 9, 437.	0.2	2
194	ANALYSIS OF WAVE REFLECTION FROM STRUCTURES WITH BERMS THROUGH AN EXTENSIVE DATABASE AND 2DV NUMERICAL MODELLING. , 2009, , .		2
195	History of Coastal Engineering in Spain. , 1996, , 465.		1
196	Stability of Near-Bed Rubble-Mound Structures. , 1999, , 1730.		1
197	Wave Height, Pressure and Velocity CDF's around Rubble Mound Protections for Submarine Outfalls. , 2004, , 889.		1
198	Spatial and temporal variability of nearshore wave energy resources along Spain: Methodology and results. , 2010, , .		1

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199	An Engineering Approach for Modeling Hurricane Extreme Waves Using Analytical and Numerical Tools. , 2012, , .		1
200	Methodology for Performance Assessment of a Two-Body Heave Wave Energy Converter. , 2013, , .		1
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