

Rodolfo Silva

List of Publications by Year in descending order

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Version: 2024-02-01

163
papers

3,215
citations

185998

28
h-index

214527

47
g-index

166
all docs

166
docs citations

166
times ranked

2464
citing authors

#	ARTICLE	IF	CITATIONS
1	Green water evolution on a fixed structure induced by incoming wave trains. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 3040-3068.	3.4	8
2	The relationships between environmental conditions and parallel ecosystems on the coastal dunes of the Mexican Caribbean. <i>Geomorphology</i> , 2022, 397, 108006.	1.1	4
3	The influence of oblique waves on the hydrodynamic efficiency of an onshore OWC wave energy converter. <i>Renewable Energy</i> , 2022, 183, 687-707.	4.3	15
4	Use of Nanotechnology to Mitigate Biofouling in Stainless Steel Devices Used in Food Processing, Healthcare, and Marine Environments. <i>Toxics</i> , 2022, 10, 35.	1.6	9
5	On the Evolution of Different Types of Green Water Events – Part II: Applicability of a Convolution Approach. <i>Water (Switzerland)</i> , 2022, 14, 510.	1.2	2
6	Level-Shift PWM Control of a Single-Phase Full H-Bridge Inverter for Grid Interconnection, Applied to Ocean Current Power Generation. <i>Energies</i> , 2022, 15, 1644.	1.6	3
7	Experiments on the Sinking of Marine Pipelines on Clayey Soils. <i>Water (Switzerland)</i> , 2022, 14, 704.	1.2	0
8	Experimental Investigation of the Hydrodynamic Performance of Land-Fixed Nearshore and Onshore Oscillating Water Column Systems with a Thick Front Wall. <i>Energies</i> , 2022, 15, 2364.	1.6	8
9	Interconnections between Coastal Sediments, Hydrodynamics, and Ecosystem Profiles on the Mexican Caribbean Coast. <i>Land</i> , 2022, 11, 524.	1.2	2
10	New Assessment of Wave Energy in Relation to Geomorphological and Demographic Characteristics on the Pacific Coast of Baja California, Mexico. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	3
11	A 3D boundary element method for analysing the hydrodynamic performance of a land-fixed oscillating water column device. <i>Engineering Analysis With Boundary Elements</i> , 2022, 138, 407-422.	2.0	5
12	An Assessment of the Financial Feasibility of an OTEC Ecopark: A Case Study at Cozumel Island. <i>Sustainability</i> , 2022, 14, 4654.	1.6	3
13	Using Spatial Planning Tools to Identify Potential Areas for the Harnessing of Ocean Currents in the Mexican Caribbean. <i>Land</i> , 2022, 11, 665.	1.2	1
14	A Review of Disturbances to the Ecosystems of the Mexican Caribbean, Their Causes and Consequences. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 644.	1.2	5
15	Transitional wave climate regions on continental and polar coasts in a warming world. <i>Nature Climate Change</i> , 2022, 12, 662-671.	8.1	11
16	Flow kinematics in the generation of different types of green water events with incident wave trains. <i>Ocean Engineering</i> , 2022, 258, 111519.	1.9	2
17	Green water loads using the wet dam-break method and SPH. <i>Ocean Engineering</i> , 2021, 219, 108392.	1.9	11
18	Toward More Sustainable River Transportation in Remote Regions of the Amazon, Brazil. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2077.	1.3	7

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19	Ten Commandments for Sustainable, Safe, and W/Healthy Sandy Coasts Facing Global Change. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	18
20	Validation of Sea-Surface Temperature Data for Potential OTEC Deployment in the Mexican Pacific. <i>Energies</i> , 2021, 14, 1898.	1.6	3
21	The Conservational State of Coastal Ecosystems on the Mexican Caribbean Coast: Environmental Guidelines for Their Management. <i>Sustainability</i> , 2021, 13, 2738.	1.6	14
22	Criteria for Optimal Site Selection for Ocean Thermal Energy Conversion (OTEC) Plants in Mexico. <i>Energies</i> , 2021, 14, 2121.	1.6	20
23	On the Evolution of Different Types of Green Water Events. <i>Water (Switzerland)</i> , 2021, 13, 1148.	1.2	8
24	Coastal green infrastructure to mitigate coastal squeeze. <i>Journal of Infrastructure Preservation and Resilience</i> , 2021, 2, .	1.5	31
25	Sargassum Influx on the Mexican Coast: A Source for Synthesizing Silver Nanoparticles with Catalytic and Antibacterial Properties. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4638.	1.3	13
26	Interaction of oblique waves with an Oscillating Water Column device. <i>Ocean Engineering</i> , 2021, 228, 108931.	1.9	8
27	Fine Spatial Scale, Frequent Morphological Monitoring of Urbanised Beaches to Improve Coastal Management. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 550.	1.2	2
28	Environmental Assessment of the Impacts and Benefits of a Salinity Gradient Energy Pilot Plant. <i>Energies</i> , 2021, 14, 3252.	1.6	8
29	Natural Variability and Warming Signals in Global Ocean Wave Climates. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093622.	1.5	24
30	Renewable energy production in a Mexican biosphere reserve: Assessing the potential using a multidisciplinary approach. <i>Science of the Total Environment</i> , 2021, 776, 145823.	3.9	8
31	Assessing Hydrokinetic Energy in the Mexican Caribbean: A Case Study in the Cozumel Channel. <i>Energies</i> , 2021, 14, 4411.	1.6	9
32	Understanding the Dynamics of a Coastal Lagoon: Drivers, Exchanges, State of the Environment, Consequences and Responses. <i>Geosciences (Switzerland)</i> , 2021, 11, 301.	1.0	11
33	A CFD Numerical Study to Evaluate the Effect of Deck Roughness and Length on Shipping Water Loading. <i>Water (Switzerland)</i> , 2021, 13, 2063.	1.2	2
34	Interaction between Tourism Carrying Capacity and Coastal Squeeze in Mazatlan, Mexico. <i>Land</i> , 2021, 10, 900.	1.2	4
35	Assessing the Impact of a Winter Storm on the Beach and Dune Systems and Erosion Mitigation by Plants. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	10
36	Coral Reef Geometry and Hydrodynamics in Beach Erosion Control in North Quintana Roo, Mexico. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	8

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37	A Theoretical Study of the Hydrodynamic Performance of an Asymmetric Fixed-Detached OWC Device. <i>Water (Switzerland)</i> , 2021, 13, 2637.	1.2	1
38	A systemic view of potential environmental impacts of ocean energy production. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111332.	8.2	32
39	A Detailed Description of Flow-Deck Interaction in Consecutive Green Water Events. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021, 143, .	0.6	7
40	Green Synthesis of Homogeneous Gold Nanoparticles Using <i>Sargassum</i> spp. Extracts and Their Enhanced Catalytic Activity for Organic Dyes. <i>Toxics</i> , 2021, 9, 280.	1.6	10
41	Vulnerability of Subaerial and Submarine Landscapes: The Sand Falls in Cabo San Lucas, Mexico. <i>Land</i> , 2021, 10, 27.	1.2	2
42	Computational Fluid Dynamics Applied to River Boat Hull Optimization. <i>Marine Technology Society Journal</i> , 2021, 55, 94-108.	0.3	2
43	A Design Procedure for Anchors of Floating Ocean Current Turbines on Weak Rock. <i>Energies</i> , 2021, 14, 7347.	1.6	3
44	Commercial Potential of Pelagic <i>Sargassum</i> spp. in Mexico. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	19
45	Genetic algorithms to determine JONSWAP spectra parameters. <i>Ocean Dynamics</i> , 2020, 70, 561-571.	0.9	10
46	Assessing the current state and restoration needs of the beaches and coastal dunes of Marismas Nacionales, Nayarit, Mexico. <i>Ecological Indicators</i> , 2020, 119, 106859.	2.6	5
47	The Influence of the Chamber Configuration on the Hydrodynamic Efficiency of Oscillating Water Column Devices. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 751.	1.2	16
48	CFD Simulations of Multiphase Flows: Interaction of Miscible Liquids with Different Temperatures. <i>Water (Switzerland)</i> , 2020, 12, 2581.	1.2	11
49	Massive Influx of Pelagic <i>Sargassum</i> spp. on the Coasts of the Mexican Caribbean 2014–2020: Challenges and Opportunities. <i>Water (Switzerland)</i> , 2020, 12, 2908.	1.2	134
50	Evaluation of a Dynamic Bioremediation System for the Removal of Metal Ions and Toxic Dyes Using <i>Sargassum</i> Spp.. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 899.	1.2	22
51	A simplified and open-source approach for multiple-valued water surface measurements in 2D hydrodynamic experiments. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	5
52	Multivariable Analysis of Transport Network Seismic Performance: Mexico City. <i>Sustainability</i> , 2020, 12, 9726.	1.6	2
53	Violent water-structure interaction: Overtopping features and vertical loads on a fixed structure due to broken incident flows. <i>Marine Structures</i> , 2020, 74, 102816.	1.6	8
54	Spectral analysis of sea surface elevations produced by big storms: The case of hurricane Wilma. <i>Regional Studies in Marine Science</i> , 2020, 39, 101390.	0.4	5

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55	Characterization of Surface Evidence of Groundwater Flow Systems in Continental Mexico. <i>Water (Switzerland)</i> , 2020, 12, 2459.	1.2	4
56	A Framework to Manage Coastal Squeeze. <i>Sustainability</i> , 2020, 12, 10610.	1.6	30
57	El Niño Southern Oscillation Impacts on Global Wave Climate and Potential Coastal Hazards. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016464.	1.0	24
58	Developing a CNT-SPE Sensing Platform Based on Green Synthesized AuNPs, Using <i>Sargassum</i> sp.. <i>Sensors</i> , 2020, 20, 6108.	2.1	10
59	Is ocean energy an alternative in developing regions? A case study in Michoacan, Mexico. <i>Journal of Cleaner Production</i> , 2020, 266, 121984.	4.6	27
60	Reinforcement of vegetated and unvegetated dunes by a rocky core: A viable alternative for dissipating waves and providing protection?. <i>Coastal Engineering</i> , 2020, 158, 103675.	1.7	10
61	How Effective Were the Beach Nourishments at Cancun?. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 388.	1.2	13
62	Climate drivers of directional wave power on the Mexican coast. <i>Ocean Dynamics</i> , 2020, 70, 1253-1265.	0.9	13
63	Alternatives for Recovering the Ecosystem Services and Resilience of the Salamanca Island Natural Park, Colombia. <i>Water (Switzerland)</i> , 2020, 12, 1513.	1.2	5
64	On the Estimation of the Surface Elevation of Regular and Irregular Waves Using the Velocity Field of Bubbles. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 88.	1.2	4
65	Beach cleaning costs. <i>Ocean and Coastal Management</i> , 2020, 188, 105118.	2.0	17
66	Patterns and vertical loads in water shipping in systematic wet dam-break experiments. <i>Ocean Engineering</i> , 2020, 197, 106891.	1.9	21
67	Micro Sand Engine Beach Stabilization Strategy at Puerto Morelos, Mexico. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 247.	1.2	6
68	Coastal Ecosystems as an Ecological Membrane. <i>Journal of Coastal Research</i> , 2020, 95, 97.	0.1	8
69	Understanding Drivers of Connectivity and Resilience Under Tropical Cyclones in Coastal Ecosystems at Puerto Morelos, Mexico. <i>Journal of Coastal Research</i> , 2020, 95, 128.	0.1	8
70	Simplified Method for the Identification of Erosion and Flooding Hazard Hotspots on Sandy Beaches. <i>Journal of Coastal Research</i> , 2020, 95, 1206.	0.1	0
71	On the Marine Energy Resources of Mexico. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 191.	1.2	26
72	Wave Energy in Tropical Regions: Deployment Challenges, Environmental and Social Perspectives. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 219.	1.2	29

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73	Sand size variability inside the hopper of a trailing suction dredger for beach nourishment purposes. <i>Geo-Marine Letters</i> , 2019, 39, 513-520.	0.5	3
74	Anthropic Impact Assessment of Coastal Ecosystems in the Municipality of Puerto Colombia, NE Colombia. <i>Journal of Coastal Research</i> , 2019, 92, 112.	0.1	5
75	The role of beach and sand dune vegetation in mediating wave run up erosion. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 219, 97-106.	0.9	81
76	Energy Yield Assessment from Ocean Currents in the Insular Shelf of Cozumel Island. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 147.	1.2	27
77	The Risk Reduction Benefits of the Mesoamerican Reef in Mexico. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	32
78	A framework to evaluate the environmental impact of OCEAN energy devices. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 440-449.	8.2	36
79	Effects of Roughness Loss on Reef Hydrodynamics and Coastal Protection: Approaches in Latin America. <i>Estuaries and Coasts</i> , 2019, 42, 1742-1760.	1.0	18
80	Dynamics of coastline changes in Mexico. <i>Journal of Chinese Geography</i> , 2019, 29, 1637-1654.	1.5	28
81	The Incorporation of Biophysical and Social Components in Coastal Management. <i>Estuaries and Coasts</i> , 2019, 42, 1695-1708.	1.0	28
82	Exploring the co-occurrence between coastal squeeze and coastal tourism in a changing climate and its consequences. <i>Tourism Management</i> , 2019, 74, 43-54.	5.8	41
83	Does the Functional Richness of Plants Reduce Wave Erosion on Embryo Coastal Dunes?. <i>Estuaries and Coasts</i> , 2019, 42, 1730-1741.	1.0	24
84	Hard Structures for Coastal Protection, Towards Greener Designs. <i>Estuaries and Coasts</i> , 2019, 42, 1709-1729.	1.0	137
85	Renewables energies in Colombia and the opportunity for the offshore wind technology. <i>Journal of Cleaner Production</i> , 2019, 220, 529-543.	4.6	67
86	Beach Erosion Diagnosis and Green Intervention Alternatives in Chenk'ın Beach, Campeche, Mexico. <i>Journal of Coastal Research</i> , 2019, 92, 75.	0.1	3
87	Green Water on A Fixed Structure Due to Incident Bores: Guidelines and Database for Model Validations Regarding Flow Evolution. <i>Water (Switzerland)</i> , 2019, 11, 2584.	1.2	15
88	Maintaining Tropical Beaches with Seagrass and Algae: A Promising Alternative to Engineering Solutions. <i>BioScience</i> , 2019, 69, 136-142.	2.2	56
89	Morphological evolution of the sandspit at Tortugueros Beach, Mexico. <i>Marine Geology</i> , 2019, 407, 16-31.	0.9	18
90	Ecosystem-Based Management strategies to improve aquaculture in developing countries: Case study of Marismas Nacionales. <i>Ecological Engineering</i> , 2019, 130, 296-305.	1.6	10

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91	Capturing Two Consecutive Green Water Events by Convolution. , 2019, , .		2
92	Shoreline Dynamics and Coastal Dune Stabilization in Response to Changes in Infrastructure and Climate. Journal of Coastal Research, 2019, 92, 6.	0.1	16
93	Interactions between Nearshore and Shelf Dynamics under Hurricane Conditions: Implications for Exposed and Reef Protected Beaches. Journal of Coastal Research, 2019, 92, 55.	0.1	3
94	Design of Hybrid Ecosystem Based Strategies for the Control of Erosion at Sabancuy Beach, Campeche, Mexico. Journal of Coastal Research, 2019, 92, 85.	0.1	3
95	A Quantitative Methodology for Evaluating Coastal Squeeze Based on a Fuzzy Logic Approach: Case Study of Campeche, Mexico. Journal of Coastal Research, 2019, 92, 101.	0.1	5
96	Modelling the Effects of the Artificial Opening of an Inlet: Salinity Distribution in a Coastal Lagoon. Journal of Coastal Research, 2019, 92, 128.	0.1	3
97	Assessing Degrees of Anthropization on the Coast of Mexico from Ecosystem Conservation and Population Growth Data. Journal of Coastal Research, 2019, 92, 136.	0.1	15
98	Evaluaci3n del coeficiente de reflexi3n en diques rompeolas de piezas sueltas con perfil en S. Tecnologia Y Ciencias Del Agua, 2019, 10, 128-152.	0.1	1
99	Integrating Biophysical Components in Coastal Engineering Practices. Journal of Coastal Research, 2019, 92, 1.	0.1	0
100	Identification of Areas Exposed to Storm Surge Flooding: Topographic Factors and Ecosystem Changes. Journal of Coastal Research, 2019, 92, 68.	0.1	2
101	Optimizaci3n geom3trica de un lente sumergido para focalizar la energ3a del oleaje. Tecnologia Y Ciencias Del Agua, 2019, 10, 117-146.	0.1	0
102	Beach erosion and loss of protection environmental services in Cancun, Mexico. Ocean and Coastal Management, 2018, 156, 183-197.	2.0	26
103	Determination of the Potential Thermal Gradient for the Mexican Pacific Ocean. Journal of Marine Science and Engineering, 2018, 6, 20.	1.2	10
104	Coastal flood assessment due to extreme events at Ensenada, Baja California, Mexico. Ocean and Coastal Management, 2018, 165, 319-333.	2.0	5
105	Wave and wind energy potential including extreme events: A case study of Mexico. Journal of Coastal Research, 2018, 85, 1336-1340.	0.1	5
106	Coastal risk mitigation by green infrastructure in Latin America. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2017, 170, 39-54.	1.4	35
107	An experimental method to verify the failure of coastal structures by wave induced liquefaction of clayey soils. Coastal Engineering, 2017, 123, 1-10.	1.7	11
108	Ecosystem Services to Enhance Coastal Resilience in Mexico: The Gap between the Perceptions of Decision-Makers and Academics. Journal of Coastal Research, 2017, 77, 116-126.	0.1	13

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109	Resistance and Resilience: Facing the Multidimensional Challenges in Coastal Areas. <i>Journal of Coastal Research</i> , 2017, 77, 1-6.	0.1	30
110	Impact of Inlet Management on the Resilience of a Coastal Lagoon: La Mancha, Veracruz, Mexico. <i>Journal of Coastal Research</i> , 2017, 77, 51-61.	0.1	14
111	Measurements and Modelling of Small Scale Processes of Vegetation Preventing Dune Erosion. <i>Journal of Coastal Research</i> , 2017, 77, 19-27.	0.1	22
112	The Influence of Climate Change on Coastal Erosion Vulnerability in Northeast Brazil. <i>Coastal Engineering Journal</i> , 2017, 59, 1740007-1-1740007-25.	0.7	19
113	Human Impact on Coastal Resilience along the Coast of Veracruz, Mexico. <i>Journal of Coastal Research</i> , 2017, 77, 143-153.	0.1	29
114	Investigation on Uplift Dynamic Pressures in Crown Wall Breakwaters. , 2017, , .		0
115	Impact of High-Resolution Topographic Mapping on Beach Morphological Analyses Based on Terrestrial LiDAR and Object-Oriented Beach Evolution. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 147.	1.4	6
116	Classification of Beach Erosion Vulnerability on the Yucatan Coast. <i>Coastal Management</i> , 2016, 44, 333-349.	1.0	25
117	Coastal Dunes and Plants: An Ecosystem-Based Alternative to Reduce Dune Face Erosion. <i>Journal of Coastal Research</i> , 2016, 75, 303-307.	0.1	13
118	An artificial reef improves coastal protection and provides a base for coral recovery. <i>Journal of Coastal Research</i> , 2016, 75, 467-471.	0.1	72
119	Response of vegetated dune-beach systems to storm conditions. <i>Coastal Engineering</i> , 2016, 109, 53-62.	1.7	90
120	A new approach to probabilistic earthquake-induced tsunami risk assessment. <i>Ocean and Coastal Management</i> , 2016, 119, 68-75.	2.0	28
121	COMPARATIVE MORPHODYNAMICS BETWEEN EXPOSED AND REEF PROTECTED BEACHES UNDER HURRICANE CONDITIONS. <i>Coastal Engineering Proceedings</i> , 2015, 1, 55.	0.1	7
122	FAILURE OF SEABEDS WITH A HIGH MUD CONTENT: AN EXPERIMENTAL STUDY. <i>Coastal Engineering Proceedings</i> , 2015, 1, 47.	0.1	1
123	Lake Zirahuen, Michoacan, Mexico: An approach to sustainable water resource management based on the chemical and bacterial assessment of its water body. <i>Sustainable Chemistry and Pharmacy</i> , 2015, 2, 1-11.	1.6	6
124	Going with the flow or against the grain? The promise of vegetation for protecting beaches, dunes, and barrier islands from erosion. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 203-210.	1.9	170
125	Hydrodynamic behavior of a new wave energy convertor: The Blow-Jet. <i>Ocean Engineering</i> , 2015, 106, 252-260.	1.9	12
126	Innovative Engineering Solutions and Best Practices to Mitigate Coastal Risk. , 2015, , 55-170.		10

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127	Developing a Holistic Approach to Assessing and Managing Coastal Flood Risk. , 2015, , 9-53.		6
128	Present and Future Challenges of Coastal Erosion in Latin America. Journal of Coastal Research, 2014, 71, 1-16.	0.1	91
129	Identification of Coastal Erosion Causes in Matanch�n Bay, San Blas, Nayarit, Mexico. Journal of Coastal Research, 2014, 71, 93-99.	0.1	5
130	An Alternative Solution to Erosion Problems at Punta Bete-Punta Maroma, Quintana Roo, Mexico: Conciliating Tourism and Nature. Journal of Coastal Research, 2014, 71, 75-85.	0.1	9
131	Beach Erosion Driven by Natural and Human Activity at Isla del Carmen Barrier Island, Mexico. Journal of Coastal Research, 2014, 71, 62-74.	0.1	33
132	Towards Coastal Management of a Degraded System: Barra de Navidad, Jalisco, Mexico. Journal of Coastal Research, 2014, 71, 107-113.	0.1	6
133	Beach Erosion in San Benito Chiapas, Mexico: Assessment and Possible Solution. Journal of Coastal Research, 2014, 71, 114-121.	0.1	10
134	Beach response to wave energy converter farms acting as coastal defence. Coastal Engineering, 2014, 87, 97-111.	1.7	89
135	An approach to assess flooding and erosion risk for open beaches in a changing climate. Coastal Engineering, 2014, 87, 50-76.	1.7	61
136	Land use changes and sea level rise may induce a "coastal squeeze" on the coasts of Veracruz, Mexico. Global Environmental Change, 2014, 29, 180-188.	3.6	57
137	The role of fringing coral reefs on beach morphodynamics. Geomorphology, 2013, 198, 69-83.	1.1	43
138	Morphodynamic Evolution and Sediment Transport Processes of Cancun Beach. Journal of Coastal Research, 2013, 290, 1146-1157.	0.1	20
139	Simple settling velocity formula for calcareous sand. Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 215-219.	0.7	26
140	Post-nourishment beach scarp morphodynamics. Journal of Coastal Research, 2013, 65, 576-581.	0.1	13
141	AN EXPERIMENTAL EVALUATION OF WAVE ENERGY DISSIPATION DUE TO SUBMERGED STRUCTURES. , 2013, , .		0
142	Momentum balance under breaking waves: Closure to discussion by T.E. Baldock of "Laboratory investigation of pressure gradients induced by plunging breakers"™. Coastal Engineering, 2012, 68, 96-102.	1.7	1
143	Manmade Vulnerability of the Cancun Beach System: The Case of Hurricane Wilma. Clean - Soil, Air, Water, 2012, 40, 911-919.	0.7	25
144	Characterization of Risks in Coastal Zones: A Review. Clean - Soil, Air, Water, 2012, 40, 894-905.	0.7	19

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145	Hydro-morphologic Revision of the Cuautla Channel at Nayarit, Mexico. Clean - Soil, Air, Water, 2012, 40, 920-925.	0.7	4
146	Estimation of the velocity field induced by plunging breakers in the surf and swash zones. Experiments in Fluids, 2012, 52, 53-68.	1.1	18
147	Laboratory investigation of pressure gradients induced by plunging breakers. Coastal Engineering, 2011, 58, 722-738.	1.7	29
148	WAVE TRANSFORMATION AND WAVE-DRIVEN CIRCULATION ON NATURAL REEFS UNDER EXTREME HURRICANE CONDITIONS. Coastal Engineering Proceedings, 2011, 1, 28.	0.1	10
149	Hydrodynamics of a headland-bay beach-Nearshore current circulation. Coastal Engineering, 2010, 57, 160-175.	1.7	28
150	A numerical-empirical approach for evaluating morphodynamic processes on gravel and mixed sand-gravel beaches. Marine Geology, 2007, 241, 1-18.	0.9	42
151	Modelling linear wave transformation induced by dissipative structures-Regular waves. Ocean Engineering, 2006, 33, 2150-2173.	1.9	12
152	Modelling linear wave transformation induced by dissipative structures-Random waves. Ocean Engineering, 2006, 33, 2174-2194.	1.9	4
153	Numerical implementation of the harmonic modified mild-slope equation. Coastal Engineering, 2005, 52, 391-407.	1.7	31
154	Extended solution for waves travelling over a rapidly changing porous bottom. Ocean Engineering, 2003, 30, 437-452.	1.9	14
155	Wave interaction with cylindrical porous piles. Ocean Engineering, 2003, 30, 1719-1740.	1.9	17
156	Linear waves propagating over a rapidly varying finite porous bed. Coastal Engineering, 2002, 44, 239-260.	1.7	57
157	Directional Wave Transformation Induced by a Cylindrical Permeable Pile. , 2002, , .		1
158	Reflection and transmission of tsunami waves by coastal structures. Applied Ocean Research, 2000, 22, 215-223.	1.8	21
159	3-D non-breaking regular wave interaction with submerged breakwaters. Coastal Engineering, 1996, 28, 229-248.	1.7	164
160	Interaction of non-breaking directional random waves with submerged breakwaters. Coastal Engineering, 1996, 28, 249-266.	1.7	53
161	Numerical Simulation of Bed Load and Suspended Load Sediment Transport Using Well-Balanced Numerical Schemes. Communications on Applied Mathematics and Computation, 0, , 1.	0.7	2
162	Estimaci3n te3rica de la potencia disponible en las fuentes de energĀa marina en MĀxico. Tecnologia Y Ciencias Del Agua, 0, , 01-36.	0.1	1

#	ARTICLE	IF	CITATIONS
163	Extreme Value Analysis of Ocean Currents in the Mexican Caribbean Based on HYCOM Numerical Model Data. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	0