Rafael Molina Sanchez

List of Publications by Year
in descending order

Version: 2024-02-01

35 papers	217 citations	1040056 9 h-index	1058476 14 g-index
35 all docs	35 docs citations	35 times ranked	231 citing authors

#	Article	IF	Citations
1	Understanding the spatial distribution of free-floating carsharing in cities: Analysis of the new Madrid experience through a web-based platform. Cities, 2020, 98, 102593.	5.6	27
2	The impact of free-floating carsharing on sustainable cities: analysis of first experiences in Madrid with the university campus. Sustainable Cities and Society, 2018, 43, 462-475.	10.4	23
3	Overtopping hazards to port activities: Application of a new methodology to risk management (POrt) Tj ETQq1 1 0.784314 rgBT /Ove	8.9	20
4	Electric Free-Floating Carsharing for Sustainable Cities: Characterization of Frequent Trip Profiles Using Acquired Rental Data. Sustainability, 2020, 12, 1248.	3.2	16
5	Stochastic Model for Damage Accumulation in Rubble-Mound Breakwaters Based on Compatibility Conditions and the Central Limit Theorem. Journal of Waterway, Port, Coastal and Ocean Engineering, 2012, 138, 451-463.	1.2	15
6	Addressing Long-Term Operational Risk Management in Port Docks under Climate Change Scenariosâ€"A Spanish Case Study. Water (Switzerland), 2019, 11, 2153.	2.7	14
7	Damage in Rubble Mound Breakwaters. Part II: Review of the Definition, Parameterization, and Measurement of Damage. Journal of Marine Science and Engineering, 2020, 8, 306.	2.6	14
8	Understanding Sea Level Processes During Western Mediterranean Storm Gloria. Frontiers in Marine Science, 2021, 8, .	2.5	13
9	Damage in Rubble Mound Breakwaters. Part I: Historical Review of Damage Models. Journal of Marine Science and Engineering, 2020, 8, 317.	2.6	12
10	Operational tool for characterizing high-frequency sea level oscillations. Natural Hazards, 2021, 106, 1149-1167.	3.4	9
11	Student behaviour towards Free-Floating Carsharing: First evidences of the experience in Madrid. Transportation Research Procedia, 2018, 33, 243-250.	1.5	8
12	Development of a Vessel-Performance Forecasting System: Methodological Framework and Case Study. Journal of Waterway, Port, Coastal and Ocean Engineering, 2016, 142, .	1.2	7
13	Assessing Operability on Berthed Ships. Common Approaches, Present and Future Lines. Journal of Marine Science and Engineering, 2020, 8, 255.	2.6	7
14	Effect of wind and waves on a nearshore brine discharge dilution in the east coast of Spain. Desalination and Water Treatment, 2010, 18, 71-79.	1.0	6
15	Rainflow analysis in Coastal Engineering using switching second order Markov models. Applied Mathematical Modelling, 2012, 36, 4286-4303.	4.2	5
16	OVERTOPPING FLOW PROPERTIES CHARACTERIZATION IN LABORATORY AND PROTOTYPE THROUGH THE COMBINATION OF NON INTRUSIVE INSTRUMENTAL TECHNIQUES. Coastal Engineering Proceedings, 2012, 1, 46.	0.1	4
17	Development of a neuro fuzzy modelling tool for a decision support system in desalination in coastal zones. Desalination and Water Treatment, 2010, 22, 386-391.	1.0	3
18	Integration of Free Floating Car Sharing Systems in Rail Stations: A Web Based Data Analysis. Future Transportation, 2021, 1, 38-53.	2.3	3

#	Article	IF	Citations
19	Small-Scale Study of Mooring Line Tension Thresholds Based on Impulsive Load Analysis during Big Floating Structure Operation and Commissioning. Water (Switzerland), 2021, 13, 1056.	2.7	3
20	Wave Analysis Using Rainflow Information. IEEE Journal of Oceanic Engineering, 2013, 38, 12-24.	3.8	2
21	OVERTOPPING CHARACTERIZATION FOR THE ELABORATION OF VULNERABILITY MAPS IN PORTS FACILITIES. Coastal Engineering Proceedings, 2012, , 26.	0.1	2
22	DEVELOPMENT OF A TERMINAL OPERABILITY FORECASTING SYSTEM: ANALYSIS OF THE EFFECTS THAT WIND GENERATES OVER QUAY CRANES PERFORMANCE. Coastal Engineering Proceedings, 2015, 1, 16.	0.1	1
23	ANALYSIS OF THE INFLUENCE OF THE DIFFERENT VARIABLES INVOLVED IN A DAMAGE PROGRESSION PROBABILITY MODEL. Coastal Engineering Proceedings, 2015, 1, 70.	0.1	1
24	The Application of Caisson-Type Solutions to the Current Offshore Wind Energy Market. , 2018, , .		1
25	OPTIMIZING BREAKWATER DESIGN CONSIDERING THE SYSTEM OF FAILURE MODES. Coastal Engineering Proceedings, 2011, 1, 37.	0.1	1
26	Decision support system development for adaptive management of desalination plant outfalls in marine ecosystems. Desalination and Water Treatment, 2010, 22, 379-385.	1.0	0
27	New Methodology and Instrumental System for Floating Structures Monitoring and Analysis. IEEE Latin America Transactions, 2019, 18, 455-462.	1.6	0
28	New Methodology and Instrumental System for Floating Structures Monitoring and Analysis. IEEE Latin America Transactions, 2020, 18, 455-462.	1.6	0
29	Monitoring and decision support systems for impacts minimization of desalination plant outfall in marine ecosystems. , 2009, , 177-182.		0
30	VIDEOIMAGERY TECHNIQUES AND MULTIVARIATED PARAMETER ANALYSIS TO DEFINE 3D MAPS OF VULNERABILITY. Coastal Engineering Proceedings, 2011, , 26.	0.1	0
31	A STATISTICAL MODEL FOR DAMAGE ACCUMULATION IN BREAKWATERS. Coastal Engineering Proceedings, 2011, , 19.	0.1	0
32	DETECTION OF SHIP PATHS ON DOCKING AND QUAY OCCUPATION ANALYSIS BASED ON A VIDEO-IMAGERY SYSTEM AS SUPPORT TO PORT MANAGEMENT. Coastal Engineering Proceedings, 2012, 1, 6.	0.1	0
33	OPTIMIZATION OF OPERATIONALITY THRESHOLDS USING A MANEUVER SIMULATOR. CASE STUDY: FLOATING GATE AT CAMPAMENTO SHIPYARD. Coastal Engineering Proceedings, 2012, 1, 53.	0.1	0
34	APPLICATION OF RAINFLOW TECHNIQUES TO THE DESIGN AND OPERATION OF PORT INFRASTRUCTURE. Coastal Engineering Proceedings, 2020, , 41.	0.1	0
35	Sectoral Analysis of the Fundamental Criteria for the Evaluation of the Viability of Wave Energy Generation Facilities in Portsâ€"Application of the Delphi Methodology. Energies, 2022, 15, 2667.	3.1	0