Sara Mizar Formentin

List of Publications by Year
in descending order

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21 papers	265 citations	1040056 9 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	205 citing authors

#	Article	IF	Citations
1	Key Performance Indicators for the Upgrade of Existing Coastal Defense Structures. Journal of Marine Science and Engineering, 2021, 9, 994.	2.6	5
2	Integrated assessment of the hydraulic and structural performance of crown walls on top of smooth berms. Coastal Engineering, 2021, 168, 103951.	4.0	9
3	Image-clustering analysis of the waveâ€“structure interaction processes under breaking and non-breaking waves. Physics of Fluids, 2021, 33, .	4.0	5
4	Non-Intrusive Measurements of Wave-Induced Flow over Dikes by Means of a Combined Ultrasound Doppler Velocimetry and Videography. Water (Switzerland), 2020, 12, 3053.	2.7	4
5	Integrated assessment of the hydraulic and structural performance of the OBREC device in the Gulf of Naples, Italy. Applied Ocean Research, 2020, 101, 102217.	4.1	10
6	Semi-automatic detection of the overtopping waves and reconstruction of the overtopping flow characteristics at coastal structures. Coastal Engineering, 2019, 152, 103533.	4.0	10
7	A Genetic Programming based formula for wave overtopping by crown walls and bullnoses. Coastal Engineering, 2019, 152, 103529.	4.0	16
8	Flow Depths and Velocities across a Smooth Dike Crest. Water (Switzerland), 2019, 11, 2197.	2.7	9
9	Numerical Simulations of the Hydraulic Performance of a Breakwater-Integrated Overtopping Wave Energy Converter. Journal of Marine Science and Engineering, 2019, 7, 38.	2.6	21
10	The new EurOtop Neural Network tool for an improved prediction of wave overtopping. , 2018, , .		0
11	A methodological approach for the development and verification of artificial neural networks based on an application to waveâ€“structure interaction processes. Coastal Engineering Journal, 2018, 60, 260-279.	1.9	3
12	A new method to estimate the overtopping and overflow discharge at over-washed and breached dikes. Coastal Engineering, 2018, 140, 240-256.	4.0	15
13	A NEW FULLY-AUTOMATIC PROCEDURE FOR THE IDENTIFICATION AND THE COUPLING OF THE OVERTOPPING WAVES. Coastal Engineering Proceedings, 2018, , 36.	0.1	1
14	A Neural Network Tool for Predicting Wave Reflection, Overtopping and Transmission. Coastal Engineering Journal, 2017, 59, 1750006-1-1750006-31.	1.9	32
15	An Advanced and Improved Artificial Neural Network for the Prediction of Wave Overtopping. , 2017, , .		0
16	2DV RANS-VOF NUMERICAL MODELING OF A MULTI-FUNCTIONAL HARBOUR STRUCTURE. Coastal Engineering Proceedings, 2017, , 3.	0.1	5
17	Prediction of extreme and tolerable wave overtopping discharges through an advanced neural network. Ocean Engineering, 2016, 127, 7-22.	4.3	61
18	ADVANCES IN MODELLING WAVE-STRUCTURE INTERACTION THROUGH ARTIFICIAL NEURAL NETWORKS. Coastal Engineering Proceedings, 2015, 1, 69.	0.1	10

#	Article	IF	Citations
19	OVERTOPPING FLOW CHARACTERISTICS AT EMERGED AND OVER-WASHED DYKES. Coastal Engineering Proceedings, 2015, 1, 7.	0.1	1
20	Innovative Engineering Solutions and Best Practices to Mitigate Coastal Risk. , 2015, , 55-170.		10
21	A neural network for the prediction of wave reflection from coastal and harbor structures. Coastal Engineering, 2013, 80, 49-67.	4.0	38