Francesco Aristodemo

List of Publications by Year
in descending order

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Version: 2024-02-01

34 papers	646 citations	567281 15 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	443 citing authors

#	Article	IF	Citations
1	Annual and seasonal trend detection of significant wave height, energy period and wave power in the Mediterranean Sea. Ocean Engineering, 2022, 243, 110322.	4.3	19
2	On the energy transmission by a submerged barrier interacting with a solitary wave. Applied Ocean Research, 2022, 122, 103123.	4.1	7
3	Determination of Force Coefficients for a Submerged Rigid Breakwater under the Action of Solitary Waves. Water (Switzerland), 2021, 13, 315.	2.7	5
4	Can ICZM Contribute to the Mitigation of Erosion and of Human Activities Threatening the Natural and Cultural Heritage of the Coastal Landscape of Calabria?. Sustainability, 2021, 13, 1122.	3.2	9
5	Wave-Structure Interaction Processes in Coastal Engineering. Water (Switzerland), 2021, 13, 831.	2.7	1
6	Numerical Simulations of the Flow Field of a Submerged Hydraulic Jump over Triangular Macroroughnesses. Water (Switzerland), 2021, 13, 674.	2.7	17
7	Trend Detection of Wave Parameters along the Italian Seas. Water (Switzerland), 2021, 13, 1634.	2.7	9
8	Formula for the maximum reference pressure at the interface of the breakwater core and filter layer. Coastal Engineering Journal, 2021, 63, 532-544.	1.9	6
9	An experimental and numerical study on solitary wave loads at cylinders near the bed. Ocean Engineering, 2020, 195, 106747.	4.3	12
10	Characteristics of free and submerged hydraulic jumps over different macroroughnesses. Journal of Hydroinformatics, 2020, 22, 1554-1572.	2.4	21
11	Changes of Significant Wave Height, Energy Period and Wave Power in Italy in the Period 1979â€“2018. Environmental Sciences Proceedings, 2020, 2, .	0.3	3
12	Porous Medium Typology Influence on the Scaling Laws of Confined Aquifer Characteristic Parameters. Water (Switzerland), 2020, 12, 1166.	2.7	2
13	Hydrodynamic forces induced by a solitary wave interacting with a submerged square barrier: Physical tests and Î´-LES-SPH simulations. Coastal Engineering, 2020, 158, 103690.	4.0	20
14	Smoothing of Slug Tests for Laboratory Scale Aquifer Assessmentâ€”A Comparison Among Different Porous Media. Water (Switzerland), 2019, 11, 1569.	2.7	4
15	Trend analysis of significant wave height and energy period in southern Italy. Theoretical and Applied Climatology, 2019, 138, 917-930.	2.8	34
16	Feasibility of WEC installations for domestic and public electrical supplies: A case study off the Calabrian coast. Renewable Energy, 2018, 121, 261-285.	8.9	27
17	Smoothing analysis of slug tests data for aquifer characterization at laboratory scale. Journal of Hydrology, 2018, 562, 125-139.	5.4	16
18	On-Bottom Stability Analysis of Cylinders under Tsunami-Like Solitary Waves. Water (Switzerland), 2018, 10, 487.	2.7	13

#	Article	IF	Citations
19	On the filtering of acoustic components in weakly-compressible SPH simulations. Journal of Fluids and Structures, 2017, 70, 1-23.	3.4	73
20	Experimental and Numerical Investigation of Tsunami-Like Waves on Horizontal Circular Cylinders. , 2017, , .		5
21	Wave Flume Tests to Check a Semi-Analytical Method for Calculating Solitary Wave Loads on Horizontal Cylinders. , 2017, , .		1
22	Solitary wave-induced forces on horizontal circular cylinders: Laboratory experiments and SPH simulations. Coastal Engineering, 2017, 129, 17-35.	4.0	66
23	WAVE ENERGY RESOURCES ALONG CALABRIAN COASTS (ITALY). Coastal Engineering Proceedings, 2017, , 5.	0.1	5
24	Assessment of Dynamic Pressures at Vertical and Perforated Breakwaters through Diffusive SPH Schemes. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	19
25	SPH modeling of plane jets into water bodies through an inflow/outflow algorithm. Ocean Engineering, 2015, 105, 160-175.	4.3	29
26	SPH numerical modeling of waveâ€“perforated breakwater interaction. Coastal Engineering, 2015, 101, 48-68.	4.0	83
27	Beach sediment mixing under drained and undrained conditions. Journal of Coastal Research, 2013, 165, 1503-1508.	0.3	8
28	Wave and current forces at a bottom-mounted submarine pipeline. Journal of Coastal Research, 2013, 65, 153-158.	0.3	9
29	Laboratory study on a beach drainage system. Coastal Engineering, 2012, 66, 50-64.	4.0	21
30	Large-scale morphodynamic experiments on a beach drainage system. Journal of Hydraulic Research/De Recherches Hydrauliques, 2011, 49, 523-528.	1.7	12
31	Full-scale experiments on a beach drainage system: hydrodynamic effects inside beach. Journal of Hydraulic Research/De Recherches Hydrauliques, 2011, 49, 44-54.	1.7	17
32	New model to determine forces at on-bottom slender pipelines. Coastal Engineering, 2011, 58, 267-280.	4.0	21
33	Two-phase SPH modelling of advective diffusion processes. Environmental Fluid Mechanics, 2010, 10, 451-470.	1.6	50
34	Modelling of Periodic and Random Wave Forces on Submarine Pipelines. , 2006, , 393.		2