

Bonaventura Tagliafierro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18 papers	156 citations	7 h-index	12 g-index
19 ext. papers	254 ext. citations	4.2 avg, IF	3.58 L-index

#	Paper	IF	Citations
18	Improved relaxation zone method in SPH-based model for coastal engineering applications. <i>Applied Ocean Research</i> , 2018 , 81, 15-33	3.4	42
17	Efficiency and survivability analysis of a point-absorber wave energy converter using DualSPHysics. <i>Renewable Energy</i> , 2020 , 162, 1763-1776	8.1	23
16	SPHERA v.9.0.0: A Computational Fluid Dynamics research code, based on the Smoothed Particle Hydrodynamics mesh-less method. <i>Computer Physics Communications</i> , 2020 , 250, 107157	4.2	22
15	Recent development on the seismic devices for steel storage structures. <i>Thin-Walled Structures</i> , 2020 , 155, 106827	4.7	9
14	Modelling a Heaving Point-Absorber with a Closed-Loop Control System Using the DualSPHysics Code. <i>Energies</i> , 2021 , 14, 760	3.1	9
13	Performance Assessment of a Planing Hull Using the Smoothed Particle Hydrodynamics Method. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 244	2.4	9
12	An Optimal Seismic Force Pattern for Uniform Drift Distribution. <i>Buildings</i> , 2019 , 9, 231	3.2	7
11	A NEW OPEN SOURCE SOLVER FOR MODELLING FLUID-STRUCTURE INTERACTION: CASE STUDY OF A POINT-ABSORBER WAVE ENERGY CONVERTER WITH POWER TAKE-OFF UNIT 2020 ,		5
10	Residual displacements for non-degrading bilinear oscillators under seismic actions. <i>Mechanics Research Communications</i> , 2021 , 111, 103651	2.2	5
9	A Numerical Validation of 3D Experimental Dam-Break Wave Interaction with a Sharp Obstacle Using DualSPHysics. <i>Water (Switzerland)</i> , 2021 , 13, 2133	3	5
8	Numerical modelling of a multi-chambered low-reflective caisson. <i>Applied Ocean Research</i> , 2020 , 103, 102325	3.4	4
7	Shake table testing and numerical modelling of a steel pallet racking structure with a seismic isolation system. <i>Thin-Walled Structures</i> , 2021 , 164, 107924	4.7	4
6	A DEM approach for simulating flexible beam elements with the Project Chrono core module in DualSPHysics. <i>Computational Particle Mechanics</i> , 1	3	3
5	A numerical study of a taut-moored point-absorber wave energy converter with a linear power take-off system under extreme wave conditions. <i>Applied Energy</i> , 2022 , 311, 118629	10.7	3
4	Free-Surface Flow Simulations with Smoothed Particle Hydrodynamics Method using High-Performance Computing 2018 ,		2
3	ON THE DEVELOPMENT OF A NOVEL APPROACH FOR SIMULATING ELASTIC BEAMS IN DUALSPHYSICS WITH THE USE OF THE PROJECT CHRONO LIBRARY 2021 ,		2
2	Seismic design lateral force distributions based on elastic analysis of structures 2019 ,		1

1	Numerical Assessment of a Tension-Leg Platform Wind Turbine in Intermediate Water Using the Smoothed Particle Hydrodynamics Method. <i>Energies</i> , 2022 , 15, 3993	3.1	1
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