Vasiliki Stratigaki

List of Publications by Citations

32 papers	606 citations	13 h-index	24 g-index
37 ext. papers	730 ext. citations	3 avg, IF	4.27 L-index

#	Paper	IF	Citations
32	Large-scale experiments on wave propagation over Posidonia oceanica. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2011**, 49, 31-43	1.9	76
31	Wave damping over artificial Posidonia oceanica meadow: A large-scale experimental study. *Coastal Engineering*, **2013**, 73, 71-83	4.8	71
30	Wave Basin Experiments with Large Wave Energy Converter Arrays to Study Interactions between the Converters and Effects on Other Users in the Sea and the Coastal Area. *Energies*, **2014**, 7, 701-734	3.1	63
29	Wave energy and wave-induced flow reduction by full-scale model Posidonia oceanica seagrass. *Continental Shelf Research*, **2012**, 50-51, 100-116	2.4	58
28	SPH simulation of floating structures with moorings. *Coastal Engineering*, **2019**, 153, 103560	4.8	49
27	Coupling methodology for smoothed particle hydrodynamics modelling of non-linear wave-structure interactions. *Coastal Engineering*, **2018**, 138, 184-198	4.8	46
26	CFD Simulations of Floating Point Absorber Wave Energy Converter Arrays Subjected to Regular Waves. *Energies*, **2018**, 11, 641	3.1	30
25	A Review of Numerical Modelling of Wave Energy Converter Arrays **2012**,		21
24	A Comparison Study of a Generic Coupling Methodology for Modeling Wake Effects of Wave Energy Converter Arrays. *Energies*, **2017**, 10, 1697	3.1	17
23	Large-Scale Experiments to Improve Monopile Scour Protection Design Adapted to Climate Change—The PROTEUS Project. *Energies*, **2019**, 12, 1709	3.1	16
22	Implementation of Open Boundaries within a Two-Way Coupled SPH Model to Simulate Nonlinear Wave–Structure Interactions. *Energies*, **2019**, 12, 697	3.1	15
21	Coupling Methodology for Studying the Far Field Effects of Wave Energy Converter Arrays over a Varying Bathymetry. *Energies*, **2018**, 11, 2899	3.1	15
20	Assessment of the Power Output of a Two-Array Clustered WEC Farm Using a BEM Solver Coupling and a Wave-Propagation Model. *Energies*, **2018**, 11, 2907	3.1	14
19	Large Scale Experimental Study of the Scour Protection Damage Around a Monopile Foundation Under Combined Wave and Current Conditions. *Journal of Marine Science and Engineering*, **2020**, 8, 417	2.4	12
18	WECANet: The First Open Pan-European Network for Marine Renewable Energy with a Focus on Wave Energy-COST Action CA17105. *Water (Switzerland)*, **2019**, 11, 1249	3	9
17	Irregular Wave Validation of a Coupling Methodology for Numerical Modelling of Near and Far Field Effects of Wave Energy Converter Arrays. *Energies*, **2019**, 12, 538	3.1	9
16	Wake effect assessment of a flap type wave energy converter farm under realistic environmental conditions by using a numerical coupling methodology. *Coastal Engineering*, **2019**, 143, 96-112	4.8	9

List of Publications

15	Influence of the Drag Force on the Average Absorbed Power of Heaving Wave Energy Converters Using Smoothed Particle Hydrodynamics. *Water (Switzerland)*, **2021**, 13, 384	3	9
14	A fundamental coupling methodology for modeling near-field and far-field wave effects of floating structures and wave energy devices. *Renewable Energy*, **2019**, 143, 1608-1627	8.1	8
13	Accurate and Fast Generation of Irregular Short Crested Waves by Using Periodic Boundaries in a Mild-Slope Wave Model. *Energies*, **2019**, 12, 785	3.1	8
12	Analyzing the Near-Field Effects and the Power Production of an Array of Heaving Cylindrical WECs and OSWECs Using a Coupled Hydrodynamic-PTO Model. *Energies*, **2018**, 11, 3489	3.1	8
11	Efficient response of an onshore Oscillating Water Column Wave Energy Converter using a one-phase SPH model coupled with a multiphysics library. *Applied Ocean Research*, **2021**, 115, 102856	3.4	8
10	Experimental Study of a Moored Floating Oscillating Water Column Wave-Energy Converter and of a Moored Cubic Box. *Energies*, **2019**, 12, 1834	3.1	7
9	Internal Wave Generation in a Non-Hydrostatic Wave Model. *Water (Switzerland)*, **2019**, 11, 986	3	5
8	Efficiency and Survivability of a Floating Oscillating Water Column Wave Energy Converter Moored to the Seabed: An Overview of the EsfIOWC MaRINET2 Database. *Water (Switzerland)*, **2020**, 12, 992	3	5
7	NUMERICAL MODELING OF WAVE PENETRATION IN OSTEND HARBOUR. *Coastal Engineering Proceedings*, **2011**, 1, 42	1.4	5
6	Wake Effect Assessment in Long- and Short-Crested Seas of Heaving-Point Absorber and Oscillating Wave Surge WEC Arrays. *Water (Switzerland)*, **2019**, 11, 1126	3	3
5	Analysing the Near-Field Effects and the Power Production of Near-Shore WEC Array Using a New Wave-to-Wire Model. *Water (Switzerland)*, **2019**, 11, 1137	3	3
4	MODELLING OF WAVE ATTENUATION INDUCED BY MULTI-PURPOSE FLOATING STRUCTURES USED FOR POWER SUPPLY AND COASTAL PROTECTION. *Coastal Engineering Proceedings*, **2015**, 1, 20	1.4	3
3	On the accuracy of internal wave generation method in a non-hydrostatic wave model to generate and absorb dispersive and directional waves. *Ocean Engineering*, **2021**, 219, 108303	3.9	2
2	Quantification of Measurement and Model Effects in Monopile Foundation Scour Protection Experiments. *Journal of Marine Science and Engineering*, **2021**, 9, 585	2.4	0
1	Influence of Power Take-Off Modelling on the Far-Field Effects of Wave Energy Converter Farms. *Water (Switzerland)*, **2021**, 13, 429	3	0