

# Vasiliki Stratigaki

## List of Publications by Year in Descending Order

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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.

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	Quantification of Measurement and Model Effects in Monopile Foundation Scour Protection Experiments. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 585	2.4	0
31	On the accuracy of internal wave generation method in a non-hydrostatic wave model to generate and absorb dispersive and directional waves. <i>Ocean Engineering</i> , <b>2021</b> , 219, 108303	3.9	2
30	Influence of Power Take-Off Modelling on the Far-Field Effects of Wave Energy Converter Farms. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 429	3	0
29	Influence of the Drag Force on the Average Absorbed Power of Heaving Wave Energy Converters Using Smoothed Particle Hydrodynamics. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 384	3	9
28	Efficient response of an onshore Oscillating Water Column Wave Energy Converter using a one-phase SPH model coupled with a multiphysics library. <i>Applied Ocean Research</i> , <b>2021</b> , 115, 102856	3.4	8
27	Large Scale Experimental Study of the Scour Protection Damage Around a Monopile Foundation Under Combined Wave and Current Conditions. <i>Journal of Marine Science and Engineering</i> , <b>2020</b> , 8, 417	2.4	12
26	Efficiency and Survivability of a Floating Oscillating Water Column Wave Energy Converter Moored to the Seabed: An Overview of the EsfLOWC MaRINET2 Database. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 992	3	5
25	SPH simulation of floating structures with moorings. <i>Coastal Engineering</i> , <b>2019</b> , 153, 103560	4.8	49
24	Large-Scale Experiments to Improve Monopile Scour Protection Design Adapted to Climate Change—the PROTEUS Project. <i>Energies</i> , <b>2019</b> , 12, 1709	3.1	16
23	Experimental Study of a Moored Floating Oscillating Water Column Wave-Energy Converter and of a Moored Cubic Box. <i>Energies</i> , <b>2019</b> , 12, 1834	3.1	7
22	Internal Wave Generation in a Non-Hydrostatic Wave Model. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 986	3	5
21	WECANet: The First Open Pan-European Network for Marine Renewable Energy with a Focus on Wave Energy-COST Action CA17105. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1249	3	9
20	A fundamental coupling methodology for modeling near-field and far-field wave effects of floating structures and wave energy devices. <i>Renewable Energy</i> , <b>2019</b> , 143, 1608-1627	8.1	8
19	Irregular Wave Validation of a Coupling Methodology for Numerical Modelling of Near and Far Field Effects of Wave Energy Converter Arrays. <i>Energies</i> , <b>2019</b> , 12, 538	3.1	9
18	Implementation of Open Boundaries within a Two-Way Coupled SPH Model to Simulate Nonlinear Wave-Structure Interactions. <i>Energies</i> , <b>2019</b> , 12, 697	3.1	15
17	Accurate and Fast Generation of Irregular Short Crested Waves by Using Periodic Boundaries in a Mild-Slope Wave Model. <i>Energies</i> , <b>2019</b> , 12, 785	3.1	8
16	Wake Effect Assessment in Long- and Short-Crested Seas of Heaving-Point Absorber and Oscillating Wave Surge WEC Arrays. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1126	3	3

15	Analysing the Near-Field Effects and the Power Production of Near-Shore WEC Array Using a New Wave-to-Wire Model. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1137	3	3
14	Wake effect assessment of a flap type wave energy converter farm under realistic environmental conditions by using a numerical coupling methodology. <i>Coastal Engineering</i> , <b>2019</b> , 143, 96-112	4.8	9
13	CFD Simulations of Floating Point Absorber Wave Energy Converter Arrays Subjected to Regular Waves. <i>Energies</i> , <b>2018</b> , 11, 641	3.1	30
12	Assessment of the Power Output of a Two-Array Clustered WEC Farm Using a BEM Solver Coupling and a Wave-Propagation Model. <i>Energies</i> , <b>2018</b> , 11, 2907	3.1	14
11	Analyzing the Near-Field Effects and the Power Production of an Array of Heaving Cylindrical WECs and OSWECs Using a Coupled Hydrodynamic-PTO Model. <i>Energies</i> , <b>2018</b> , 11, 3489	3.1	8
10	Coupling Methodology for Studying the Far Field Effects of Wave Energy Converter Arrays over a Varying Bathymetry. <i>Energies</i> , <b>2018</b> , 11, 2899	3.1	15
9	Coupling methodology for smoothed particle hydrodynamics modelling of non-linear wave-structure interactions. <i>Coastal Engineering</i> , <b>2018</b> , 138, 184-198	4.8	46
8	A Comparison Study of a Generic Coupling Methodology for Modeling Wake Effects of Wave Energy Converter Arrays. <i>Energies</i> , <b>2017</b> , 10, 1697	3.1	17
7	MODELLING OF WAVE ATTENUATION INDUCED BY MULTI-PURPOSE FLOATING STRUCTURES USED FOR POWER SUPPLY AND COASTAL PROTECTION. <i>Coastal Engineering Proceedings</i> , <b>2015</b> , 1, 20	1.4	3
6	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. <i>Energies</i> , <b>2014</b> , 7, 701-734	3.1	63
5	Wave damping over artificial <i>Posidonia oceanica</i> meadow: A large-scale experimental study. <i>Coastal Engineering</i> , <b>2013</b> , 73, 71-83	4.8	71
4	Wave energy and wave-induced flow reduction by full-scale model <i>Posidonia oceanica</i> seagrass. <i>Continental Shelf Research</i> , <b>2012</b> , 50-51, 100-116	2.4	58
3	A Review of Numerical Modelling of Wave Energy Converter Arrays <b>2012</b> ,		21
2	Large-scale experiments on wave propagation over <i>Posidonia oceanica</i> . <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2011</b> , 49, 31-43	1.9	76
1	NUMERICAL MODELING OF WAVE PENETRATION IN OSTEND HARBOUR. <i>Coastal Engineering Proceedings</i> , <b>2011</b> , 1, 42	1.4	5