

Emiliano Renzi

List of Publications by Year in descending order

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36
papers

1,012
citations

361413

20
h-index

414414

32
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36
all docs

36
docs citations

36
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of a Moving Particle Semi-Implicit Numerical Wave Flume (MPS-NWF) to model design waves. Coastal Engineering, 2022, 172, 104066.	4.0	6
2	Weakly nonlinear theory for dispersive waves generated by moving seabed deformation. Journal of Fluid Mechanics, 2022, 937, .	3.4	9
3	Niche Applications and Flexible Devices for Wave Energy Conversion: A Review. Energies, 2021, 14, 6537.	3.1	28
4	Effects of the sound speed vertical profile on the evolution of hydroacoustic waves. Journal of Fluid Mechanics, 2020, 883, .	3.4	11
5	Wave Energy Extraction by Flexible Floaters. Energies, 2020, 13, 6167.	3.1	16
6	Life of a droplet: Buoyant vortex dynamics drives the fate of micro-particle expiratory ejecta. Physics of Fluids, 2020, 32, 123301.	4.0	28
7	<scp>UK</scp> meteotsunamis: a revision and update on events and their frequency. Weather, 2020, 75, 281-287.	0.7	7
8	Power extraction in regular and random waves from an OWC in hybrid wind-wave energy systems. Ocean Engineering, 2019, 191, 106519.	4.3	52
9	A second-order theory for an array of curved wave energy converters in open sea. Journal of Fluids and Structures, 2019, 88, 315-330.	3.4	22
10	Weakly nonlinear theory for a gate-type curved array in waves. Journal of Fluid Mechanics, 2019, 869, 238-263.	3.4	25
11	Catalogue of extreme wave events in Ireland: revised and updated for 14â€680 BP to 2017. Natural Hazards and Earth System Sciences, 2018, 18, 729-758.	3.6	28
12	The pressure impulse of wave slamming on an oscillating wave energy converter. Journal of Fluids and Structures, 2018, 82, 258-271.	3.4	17
13	Hydro-acoustic frequencies of the weakly compressible mild-slope equation. Journal of Fluid Mechanics, 2017, 812, 5-25.	3.4	9
14	Analytical and computational modelling for wave energy systems: the example of oscillating wave surge converters. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 647-662.	3.4	37
15	Hydroelectromechanical modelling of a piezoelectric wave energy converter. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160715.	2.1	27
16	The hydrodynamics of landslide tsunamis: current analytical models and future research directions. Landslides, 2016, 13, 1369-1377.	5.4	16
17	Flap gate farm: From Venice lagoon defense to resonating wave energy production. Part 2: Synchronous response to incident waves in open sea. Applied Ocean Research, 2015, 52, 43-61.	4.1	17
18	Will oscillating wave surge converters survive tsunamis?. Theoretical and Applied Mechanics Letters, 2015, 5, 160-166.	2.8	9

#	ARTICLE	IF	CITATIONS
19	Effect of a straight coast on the hydrodynamics and performance of the Oscillating Wave Surge Converter. <i>Ocean Engineering</i> , 2015, 105, 25-32.	4.3	46
20	Oscillating Wave Surge Converters: Interactions in a Wave Farm. , 2014, , .		1
21	Wave farm modelling of oscillating wave surge converters. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140118.	2.1	28
22	Hydro-acoustic precursors of gravity waves generated by surface pressure disturbances localised in space and time. <i>Journal of Fluid Mechanics</i> , 2014, 754, 250-262.	3.4	21
23	Motion-resonant modes of large articulated damped oscillators in waves. <i>Journal of Fluids and Structures</i> , 2014, 49, 705-715.	3.4	12
24	Wave-power absorption from a finite array of oscillating wave surge converters. <i>Renewable Energy</i> , 2014, 63, 55-68.	8.9	56
25	How does Oyster work? The simple interpretation of Oyster mathematics. <i>European Journal of Mechanics, B/Fluids</i> , 2014, 47, 124-131.	2.5	72
26	On the Modelling of Tsunami Generation and Tsunami Inundation. <i>Procedia IUTAM</i> , 2014, 10, 338-355.	1.2	26
27	Hydrodynamics of the oscillating wave surge converter in the open ocean. <i>European Journal of Mechanics, B/Fluids</i> , 2013, 41, 1-10.	2.5	99
28	Relations for a periodic array of flap-type wave energy converters. <i>Applied Ocean Research</i> , 2013, 39, 31-39.	4.1	56
29	Mathematical Modelling of a Flap-Type Wave Energy Converter. , 2013, , .		1
30	Wave Power Extraction by an Oscillating Wave Surge Converter in Random Seas. , 2013, , .		10
31	The influence of landslide shape and continental shelf on landslide generated tsunamis along a plane beach. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 1503-1520.	3.6	20
32	Resonant behaviour of an oscillating wave energy converter in a channel. <i>Journal of Fluid Mechanics</i> , 2012, 701, 482-510.	3.4	106
33	Landslide tsunamis propagating around a conical island. <i>Journal of Fluid Mechanics</i> , 2010, 650, 251-285.	3.4	30
34	Landslide Tsunamis Propagating Along a Semi-Plane Beach. , 2009, , .		0
35	Landslide tsunamis propagating along a plane beach. <i>Journal of Fluid Mechanics</i> , 2008, 598, 107-119.	3.4	62
36	Wave actions on the side caissons of the Venice gates. <i>Applied Ocean Research</i> , 2007, 29, 210-220.	4.1	2