Jassiel Vladimir HernÃ¡ndez Fontes

List of Publications by Year
in descending order

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31	328	840776 11	888059 17
papers	citations	h-index	g-index

31	31	31	166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wave Energy in Tropical Regions: Deployment Challenges, Environmental and Social Perspectives. Journal of Marine Science and Engineering, 2019, 7, 219.	2.6	29
2	Is ocean energy an alternative in developing regions? A case study in Michoacan, Mexico. Journal of Cleaner Production, 2020, 266, 121984.	9.3	27
3	On the Marine Energy Resources of Mexico. Journal of Marine Science and Engineering, 2019, 7, 191.	2.6	26
4	Water elevation measurements using binary image analysis for 2D hydrodynamic experiments. Ocean Engineering, 2018, 157, 325-338.	4.3	25
5	On the Generation of Isolated Green Water Events Using Wet Dam-Break. Journal of Offshore Mechanics and Arctic Engineering, 2018, 140, .	1.2	23
6	Patterns and vertical loads in water shipping in systematic wet dam-break experiments. Ocean Engineering, 2020, 197, 106891.	4.3	21
7	Assessing shipping water vertical loads on a fixed structure by convolution model and wet dam-break tests. Applied Ocean Research, 2019, 82, 63-73.	4.1	19
8	Analytical convolution model for shipping water evolution on a fixed structure. Applied Ocean Research, 2019, 82, 415-429.	4.1	18
9	Green Water on A Fixed Structure Due to Incident Bores: Guidelines and Database for Model Validations Regarding Flow Evolution. Water (Switzerland), 2019, 11, 2584.	2.7	15
10	CFD Simulations of Multiphase Flows: Interaction of Miscible Liquids with Different Temperatures. Water (Switzerland), 2020, 12, 2581.	2.7	11
11	Green water loads using the wet dam-break method and SPH. Ocean Engineering, 2021, 219, 108392.	4.3	11
12	Time fractional diffusion equation for shipping water events simulation. Chaos, Solitons and Fractals, 2021, 143, 110538.	5.1	11
13	Assessing Hydrokinetic Energy in the Mexican Caribbean: A Case Study in the Cozumel Channel. Energies, 2021, 14, 4411.	3.1	9
14	Wet dam-break simulation using the SPS-LES turbulent contribution on the WCMPS method to evaluate green water events. Computational Particle Mechanics, 2020, 7, 705-724.	3.0	8
15	Green water evolution on a fixed structure induced by incoming wave trains. Mechanics Based Design of Structures and Machines, 2022, 50, 3040-3068.	4.7	8
16	Violent water-structure interaction: Overtopping features and vertical loads on a fixed structure due to broken incident flows. Marine Structures, 2020, 74, 102816.	3.8	8
17	On the Evolution of Different Types of Green Water Events. Water (Switzerland), 2021, 13, 1148.	2.7	8
18	Toward More Sustainable River Transportation in Remote Regions of the Amazon, Brazil. Applied Sciences (Switzerland), 2021, 11, 2077.	2.5	7

#	Article	IF	Citations
19	A Detailed Description of Flow-Deck Interaction in Consecutive Green Water Events. Journal of Offshore Mechanics and Arctic Engineering, 2021, 143, .	1.2	7
20	An alternative for estimating shipping water height distribution due to green water on a ship without forward speed. Marine Systems and Ocean Technology, 2015, 10, 38-46.	1.0	6
21	A simplified and open-source approach for multiple-valued water surface measurements in 2D hydrodynamic experiments. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	5
22	Identification of the advection-diffusion equation for predicting green water propagation. Ocean Engineering, 2020, 214, 107658.	4.3	4
23	Virtual Level Analysis Applied to Wave Flume Experiments: The Case of Waves-Cubipod Homogeneous Low-Crested Structure Interaction. Journal of Marine Science and Engineering, 2021, 9, 230.	2.6	4
24	Use of Wet Dam-Break to Study Green Water Problem. , 2017, , .		3
25	A 2D Image-Based Approach for CFD Validation of Liquid Mixing in a Free-Surface Condition. Journal of Applied Fluid Mechanics, 2020, 13, .	0.2	3
26	A CFD Numerical Study to Evaluate the Effect of Deck Roughness and Length on Shipping Water Loading. Water (Switzerland), 2021, 13, 2063.	2.7	2
27	Capturing Two Consecutive Green Water Events by Convolution. , 2019, , .		2
28	Computational Fluid Dynamics Applied to River Boat Hull Optimization. Marine Technology Society Journal, 2021, 55, 94-108.	0.4	2
29	On the Evolution of Different Types of Green Water Eventsâ€”Part II: Applicability of a Convolution Approach. Water (Switzerland), 2022, 14, 510.	2.7	2
30	A Technical Assessment of Offshore Wind Energy in Mexico: A Case Study in Tehuantepec Gulf. Energies, 2022, 15, 4367.	3.1	2
31	Flow kinematics in the generation of different types of green water events with incident wave trains. Ocean Engineering, 2022, 258, 111519.	4.3	2