

Mariana Simão

List of Publications by Year in descending order

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185
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#	ARTICLE	IF	CITATIONS
1	Pressure Drop and Energy Recovery with a New Centrifugal Micro-Turbine: Fundamentals and Application in a Real WDN. <i>Energies</i> , 2022, 15, 1528.	3.1	9
2	Hybrid Pumped Hydro Storage Energy Solutions towards Wind and PV Integration: Improvement on Flexibility, Reliability and Energy Costs. <i>Water (Switzerland)</i> , 2020, 12, 2457.	2.7	36
3	Micro Axial Turbine Hill Charts: Affinity Laws, Experiments and CFD Simulations for Different Diameters. <i>Energies</i> , 2019, 12, 2908.	3.1	6
4	Flow Conditions for PATs Operating in Parallel: Experimental and Numerical Analyses. <i>Energies</i> , 2019, 12, 901.	3.1	15
5	Dynamic response behind an accident occurred in a main WSS. <i>European Journal of Environmental and Civil Engineering</i> , 2018, 22, 267-287.	2.1	0
6	Flow Velocity Distribution Towards Flowmeter Accuracy: CFD, UDV, and Field Tests. <i>Water (Switzerland)</i> , 2018, 10, 1807.	2.7	14
7	Fostering Renewable Energies and Energy Efficiency in the Water Sector Using PATs and Wheels. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	1
8	Velocities in a Centrifugal PAT Operation: Experiments and CFD Analyses. <i>Fluids</i> , 2018, 3, 3.	1.7	12
9	CFD Analyses and Experiments in a PAT Modeling: Pressure Variation and System Efficiency. <i>Fluids</i> , 2017, 2, 51.	1.7	11
10	Aorta Ascending Aneurysm Analysis Using CFD Models towards Possible Anomalies. <i>Fluids</i> , 2017, 2, 31.	1.7	15
11	Design Criteria for Suspended Pipelines Based on Structural Analysis. <i>Water (Switzerland)</i> , 2016, 8, 256.	2.7	3
12	Mechanical Interaction in Pressurized Pipe Systems: Experiments and Numerical Models. <i>Water (Switzerland)</i> , 2015, 7, 6321-6350.	2.7	11
13	Fluid-structure interaction with different coupled models to analyse an accident occurring in a water supply system. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2015, 64, 302-315.	1.4	5
14	Experiments and CFD Analyses for a New Reaction Microhydro Propeller with Five Blades. <i>Journal of Energy Engineering - ASCE</i> , 2013, 139, 109-117.	1.9	26
15	Low-Head Energy Conversion: A Conceptual Design and Laboratory Investigation of a Microtubular Hydro Propeller. <i>ISRN Mechanical Engineering</i> , 2012, 2012, 1-10.	0.9	11
16	Energy production in water supply systems. , 2009, , 49-52.		3