

# Gustavo Marini

## List of Publications by Citations

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31  
papers

554  
citations

15  
h-index

23  
g-index

34  
ext. papers

686  
ext. citations

3.2  
avg, IF

4.13  
L-index

#	Paper	IF	Citations
31	Experimental characterization of two Pumps As Turbines for hydropower generation. <i>Renewable Energy</i> , <b>2016</b> , 99, 180-187	8.1	79
30	Real time control of water distribution networks: A state-of-the-art review. <i>Water Research</i> , <b>2019</b> , 161, 517-530	12.5	43
29	Entropy approach for 2D velocity distribution in open-channel flow. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2011</b> , 49, 784-790	1.9	43
28	Variability and Trend in Seasonal Precipitation in the Continental United States. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 630-640	1.8	42
27	Real-Time Control of Pressure for Leakage Reduction in Water Distribution Network: Field Experiments. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04017096	2.8	30
26	Real Time Control of a Prototype for Pressure Regulation and Energy Production in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2016</b> , 142, 04016015 <sup>2,8</sup>	2.8	30
25	Hydraulic Transients Caused by Air Expulsion During Rapid Filling of Undulating Pipelines. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 25	3	28
24	Real-Time Control of a PRV in Water Distribution Networks for Pressure Regulation: Theoretical Framework and Laboratory Experiments. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04017075	2.8	26
23	Investigating drought in Apulia region, Italy using SPI and RDI. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 137, 383-397	3	23
22	Pollution Reduction in Receivers: Storm-Water Tanks. <i>Journal of the Urban Planning and Development Division, ASCE</i> , <b>2011</b> , 137, 29-38	2.2	23
21	Experimental Assessment of a 2-D Entropy-Based Model for Velocity Distribution in Open Channel Flow. <i>Entropy</i> , <b>2013</b> , 15, 988-998	2.8	21
20	Derivation of 2D Power-Law Velocity Distribution Using Entropy Theory. <i>Entropy</i> , <b>2013</b> , 15, 1221-1231	2.8	19
19	Performance of vertical-axis pumps as turbines. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2018</b> , 56, 482-493	1.9	18
18	Experimental assessment of level pool routing in preliminary design of floodplain storage. <i>Science of the Total Environment</i> , <b>2012</b> , 416, 142-7	10.2	17
17	An Application of the Harmony-Search Multi-Objective (HSMO) Optimization Algorithm for the Solution of Pump Scheduling Problem. <i>Procedia Engineering</i> , <b>2016</b> , 162, 494-502		17
16	Optimal solving of the pump scheduling problem by using a Harmony Search optimization algorithm. <i>Journal of Hydroinformatics</i> , <b>2017</b> , 19, 879-889	2.6	13
15	Operation of a Prototype for Real Time Control of Pressure and Hydropower Generation in Water Distribution Networks. <i>Water Resources Management</i> , <b>2019</b> , 33, 697-712	3.7	12

14	Hydraulic and Electric Regulation of a Prototype for Real-Time Control of Pressure and Hydropower Generation in a Water Distribution Network. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04018072	2.8	12
13	Efficiency evaluation of a micro-generation system for energy recovery in water distribution networks <b>2015</b> ,		11
12	Preliminary design of combined sewer overflows and stormwater tanks in Southern Italy. <i>Irrigation and Drainage</i> , <b>2011</b> , 60, 544-555	1.1	10
11	Derivation of 2D Velocity Distribution in Watercourses Using Entropy. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2017</b> , 22, 04017003	1.8	7
10	Experimental assessment of pressure leakage relationship in a water distribution network. <i>Water Science and Technology: Water Supply</i> , <b>2017</b> , 17, 726-732	1.4	6
9	Use of Hydraulically Operated PRVs for Pressure Regulation and Power Generation in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2020</b> , 146, 04020047	2.8	6
8	A lab prototype of pressure control in water distribution networks. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 15373-15378	1.5	4
7	Pressure surges during filling of partially empty undulating pipelines. <i>ISH Journal of Hydraulic Engineering</i> , <b>2018</b> , 1-9	1.5	4
6	Experimental assessment of the impact of number of stages on vertical axis multi-stage centrifugal PATs. <i>Renewable Energy</i> , <b>2021</b> , 178, 891-903	8.1	4
5	Variability and Trends in Streamflow in Northeast United States. <i>Procedia Earth and Planetary Science</i> , <b>2016</b> , 16, 156-165		2
4	Mean Velocity and Entropy in Wide Channel Flows. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2020</b> , 25, 06019009	1.8	1
3	Comparison of PAT Installation Layouts for Energy Recovery from Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2021</b> , 147, 04021083	2.8	1
2	Small-Scale Hydropower Generation in Water Distribution Networks by Using Pumps as Turbines. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 1486	0.3	
1	Optimal Selection of Pumps As Turbines in Water Distribution Networks. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 685	0.3	