Giovanni De Marinis

List of Publications by Year in Descending Order

34 papers	616 citations	15 h-index	24 g-index
35 ext. papers	764 ext. citations	2.6 avg, IF	4.59 L-index

#	Paper	IF	Citations
34	Precipitation Forecasting in Northern Bangladesh Using a Hybrid Machine Learning Model. *Sustainability*, **2022**, 14, 2663	3.6	3
33	Forecasting of Extreme Storm Tide Events Using NARX Neural Network-Based Models. *Atmosphere*, **2021**, 12, 512	2.7	12
32	Tide Prediction in the Venice Lagoon Using Nonlinear Autoregressive Exogenous (NARX) Neural Network. *Water (Switzerland)*, **2021**, 13, 1173	3	15
31	Prediction of spring flows using nonlinear autoregressive exogenous (NARX) neural network models. *Environmental Monitoring and Assessment*, **2021**, 193, 350	3.1	11
30	Microplastics in Combined Sewer Overflows: An Experimental Study. *Journal of Marine Science and Engineering*, **2021**, 9, 1415	2.4	0
29	Deformation of Air Bubbles Near a Plunging Jet Using a Machine Learning Approach. *Applied Sciences (Switzerland)*, **2020**, 10, 3879	2.6	9
28	Artificial intelligence based approaches to evaluate actual evapotranspiration in wetlands. *Science of the Total Environment*, **2020**, 703, 135653	10.2	31
27	Generation of Water Demand Time Series through Spline Curves. *Journal of Water Resources Planning and Management - ASCE*, **2020**, 146, 04020080	2.8	1
26	Two-Phase PIV-LIF Measurements in a Submerged Bubbly Water Jet. *Journal of Hydraulic Engineering*, **2019**, 145, 04019030	1.8	9
25	Multiobjective Valve Management Optimization Formulations for Water Quality Enhancement in Water Distribution Networks. *Journal of Water Resources Planning and Management - ASCE*, **2019**, 145, 04019061	2.8	9
24	Equivalent Discharge Coefficient of Side Weirs in Circular Channel: A Lazy Machine Learning Approach. *Water (Switzerland)*, **2019**, 11, 2406	3	12
23	Optimal energy recovery by means of pumps as turbines (PATs) for improved WDS management. *Water Science and Technology: Water Supply*, **2018**, 18, 1365-1374	1.4	15
22	Experimental Analysis of the Hydraulic Performance of Wire-Wound Filter Cartridges in Domestic Plants. *Water (Switzerland)*, **2018**, 10, 309	3	6
21	Robust optimization of valve management to improve water quality in WDNs under demand uncertainty. *Urban Water Journal*, **2018**, 15, 943-952	2.3	7
20	Machine Learning Models for Spring Discharge Forecasting. *Geofluids*, **2018**, 2018, 1-13	1.5	22
19	Experimental Analysis of the Hydraulic Performance of Filtering Cartridges in Drinking Water Networks. *Water (Switzerland)*, **2018**, 10, 629	3	2
18	Illicit intrusion characterization in sewer systems. *Urban Water Journal*, **2017**, 14, 416-426	2.3	18

17	Exploring the Use of Operational Interventions in Water Distribution Systems to Reduce the Formation of TTHMs. *Procedia Engineering*, **2017**, 186, 475-482		5
16	Machine learning methods for wastewater hydraulics. *Flow Measurement and Instrumentation*, **2017**, 57, 1-9	2.2	28
15	Machine Learning Algorithms for the Forecasting of Wastewater Quality Indicators. *Water (Switzerland)*, **2017**, 9, 105	3	85
14	Probabilistic Models for the Peak Residential Water Demand. *Water (Switzerland)*, **2017**, 9, 417	3	25
13	A stochastic approach for the water demand of residential end users. *Urban Water Journal*, **2016**, 13, 569-582	2.3	20
12	Erratum for "Hydraulic Transients in Viscoelastic Branched Pipelines" by Stefania Evangelista, Angelo Leopardi, Roberto Pignatelli, and Giovanni de Marinis. *Journal of Hydraulic Engineering*, **2016**, 142, 08216004	1.8	
11	Closure to "Hydraulic Transients in Viscoelastic Branched Pipelines" by Stefania Evangelista, Angelo Leopardi, Roberto Pignatelli, and Giovanni de Marinis. *Journal of Hydraulic Engineering*, **2016**, 142, 07016006	1.8	1
10	Support Vector Regression for Rainfall-Runoff Modeling in Urban Drainage: A Comparison with the EPA's Storm Water Management Model. *Water (Switzerland)*, **2016**, 8, 69	3	87
9	Assessing measurement uncertainty on trihalomethanes prediction through kinetic models in water supply systems **2015**, 64, 516-528		12
8	Hydraulic Transients in Viscoelastic Branched Pipelines. *Journal of Hydraulic Engineering*, **2015**, 141, 04015016	1.8	32
7	Air-water flows in circular drop manholes. *Urban Water Journal*, **2015**, 12, 477-487	2.3	28
6	Battle of the Water Networks II. *Journal of Water Resources Planning and Management - ASCE*, **2014**, 140, 04014009	2.8	67
5	Closure to "Novel Approach for Side Weirs in Supercritical Flow" by Francesco Granata, Giovanni de Marinis, Rudy Gargano, and Carla Tricarico. *Journal of Irrigation and Drainage Engineering - ASCE*, **2014**, 140, 07014026	1.1	
4	Flow-improving elements in circular drop manholes. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2014**, 52, 347-355	1.9	22
3	Novel Approach for Side Weirs in Supercritical Flow. *Journal of Irrigation and Drainage Engineering - ASCE*, **2013**, 139, 672-679	1.1	19
2	Water infrastructure protection against intentional attacks: An experience in Italy. *Frontiers of Earth Science*, **2011**, 5, 390-399	1.7	3
1	River flow rate prediction in the Des Moines watershed (Iowa, USA): a machine learning approach. *Stochastic Environmental Research and Risk Assessment*,1	3.5	0