Maurizio Giugni

List of Publications by Year
in descending order

48	1,706	304368	288905
papers	citations	22 h-index	40 g-index

48	48	48	1906
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drainage Systems Optimization Under Climate Change Scenarios. Water Resources Management, 2023, 37, 2465-2482.	1.9	9
2	An Operative Framework for the Optimal Selection of Centrifugal Pumps As Turbines (PATs) in Water Distribution Networks (WDNs). Water (Switzerland), 2022, 14, 1785.	1.2	10
3	Pressure surges during filling of partially empty undulating pipelines. ISH Journal of Hydraulic Engineering, 2021, 27, 244-252.	1.1	4
4	Assessing the Impact of Climate Change on Future Water Demand using Weather Data. Water Resources Management, 2021, 35, 1449-1462.	1.9	18
5	Comparison of Flexible and Rigid Vegetation Induced Shear Layers in Partly Vegetated Channels. Water Resources Research, 2021, 57, e2020WR028243.	1.7	39
6	From flood risk mapping toward reducing vulnerability: the case of Addis Ababa. Natural Hazards, 2020, 100, 387-415.	1.6	35
7	Acoustic Doppler velocimetry (ADV) data on flow-vegetation interaction with natural-like and rigid model plants in hydraulic flumes. Data in Brief, 2020, 32, 106080.	0.5	8
8	Effects of vegetation density on shear layer in partly vegetated channels. Journal of Hydro-Environment Research, 2020, 30, 82-90.	1.0	32
9	Application of Innovative Technologies for Active Control and Energy Efficiency in Water Supply Systems. Water (Switzerland), 2020, 12, 3278.	1.2	2
10	Nature-Based Solutions (NBSs) Application for Hydro-Environment Enhancement. A Case Study of the Isar River (DE). Environmental Sciences Proceedings, 2020, 2, .	0.3	13
11	Identification of Influential User Locations for Smart Meter Installation to Reconstruct the Urban Demand Pattern. Journal of Water Resources Planning and Management - ASCE, 2020, 146, 04020070.	1.3	11
12	Use of Hydraulically Operated PRVs for Pressure Regulation and Power Generation in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2020, 146, 04020047.	1.3	10
13	Turbulence at water-vegetation interface in open channel flow: Experiments with natural-like plants. Advances in Water Resources, 2019, 127, 180-191.	1.7	60
14	Performance of vertical-axis pumps as turbines. Journal of Hydraulic Research/De Recherches Hydrauliques, 2018, 56, 482-493.	0.7	26
15	A harmony-based calibration tool for urban drainage systems. Water Management, 2018, 171, 30-41.	0.4	11
16	Real-Time Control of a PRV in Water Distribution Networks for Pressure Regulation: Theoretical Framework and Laboratory Experiments. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 04017075.	1.3	33
17	Vegetated Channel Flows: Turbulence Anisotropy at Flowâ€“Rigid Canopy Interface. Geosciences (Switzerland), 2018, 8, 259.	1.0	20
18	Small-Scale Hydropower Generation in Water Distribution Networks by Using Pumps as Turbines. Proceedings (mdpi), 2018, 2, 1486.	0.2	1

#	Article	IF	Citations
19	Optimal Selection of Pumps As Turbines in Water Distribution Networks. Proceedings (mdpi), 2018, 2, .	0.2	1
20	GEV Parameter Estimation and Stationary vs. Non-Stationary Analysis of Extreme Rainfall in African Test Cities. Hydrology, 2018, 5, 28.	1.3	43
21	Pressure Management Through Optimal Location and Setting of Valves in Water Distribution Networks Using a Music-Inspired Approach. Water Resources Management, 2017, 31, 1517-1533.	1.9	19
22	Location and Setting of Valves in Water Distribution Networks Using a Harmony Search Approach. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	1.3	25
23	Hydraulic Transients Caused by Air Expulsion During Rapid Filling of Undulating Pipelines. Water (Switzerland), 2016, 8, 25.	1.2	37
24	Decision support system for the optimal design of district metered areas. Journal of Hydroinformatics, 2016, 18, 49-61.	1.1	45
25	Experimental characterization of two Pumps As Turbines for hydropower generation. Renewable Energy, 2016, 99, 180-187.	4.3	108
26	An Application of the Harmony-Search Multi-Objective (HSMO) Optimization Algorithm for the Solution of Pump Scheduling Problem. Procedia Engineering, 2016, 162, 494-502.	1.2	20
27	Pressure surges caused by air release in water pipelines. Journal of Hydraulic Research/De Recherches Hydrauliques, 2016, 54, 461-472.	0.7	10
28	Inactivation of Escherichia coli and Enterococci in urban wastewater by sunlight/PAA and sunlight/H 2 O 2 processes. Chemical Engineering Research and Design, 2016, 104, 178-184.	2.7	37
29	Polymer functionalized nanocomposites for metals removal from water and wastewater: An overview. Water Research, 2016, 92, 22-37.	5.3	289
30	Real Time Control of a Prototype for Pressure Regulation and Energy Production in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	1.3	40
31	Photocatalytic degradation of the antibiotic chloramphenicol and effluent toxicity effects. Ecotoxicology and Environmental Safety, 2016, 123, 65-71.	2.9	112
32	A jazz-based approach for optimal setting of pressure reducing valves in water distribution networks. Engineering Optimization, 2016, 48, 727-739.	1.5	27
33	DEM-Based Approaches for the Delineation of Flood-Prone Areas in an Ungauged Basin in Africa. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	53
34	Sustainable Development of Storm-water Systems in African Cities Considering Climate Change. Procedia Engineering, 2015, 119, 1181-1191.	1.2	12
35	Model-Based Water Quality Assurance in Ground and Surface Provisioning Systems. , 2015, , .		3
36	A Model Driven Approach to Water Resource Analysis based on Formal Methods and Model Transformation. Procedia Computer Science, 2015, 51, 562-571.	1.2	1

#	Article	IF	Citations
37	Shortest path criterion for sampling design of water distribution networks. Urban Water Journal, 2015, 12, 154-164.	1.0	4
38	Intensity-Duration-Frequency (IDF) rainfall curves, for data series and climate projection in African cities. SpringerPlus, 2014, 3, 133.	1.2	70
39	Closure to â€œLosses Reduction and Energy Production in Water-Distribution Networksâ€•by Nicola Fontana, Maurizio Giugni, and Davide Portolano. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 271-273.	1.3	2
40	Probabilistic GIS-based method for delineation of urban flooding risk hotspots. Natural Hazards, 2014, 73, 975.	1.6	64
41	Optimal Location of PRVs and Turbines in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	1.3	71
42	Optimal Design of District Metered Areas in Water Distribution Networks. Procedia Engineering, 2014, 70, 449-457.	1.2	21
43	Experimental Investigation on a Buried Leaking Pipe. Procedia Engineering, 2014, 89, 298-303.	1.2	10
44	Automatic Multi-objective Sectorization of a Water Distribution Network. Procedia Engineering, 2014, 89, 1200-1207.	1.2	34
45	Inertial Effects on Finite Length Pipe Seismic Response. Mathematical Problems in Engineering, 2012, 2012, 1-14.	0.6	13
46	Losses Reduction and Energy Production in Water-Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 237-244.	1.3	145
47	Closure to â€œTransient Flow Caused by Air Expulsion through an Orificeâ€•by G. De Martino, N. Fontana, and M. Giugni. Journal of Hydraulic Engineering, 2010, 136, 269-271.	0.7	0
48	Transient Flow Caused by Air Expulsion through an Orifice. Journal of Hydraulic Engineering, 2008, 134, 1395-1399.	0.7	48