

# Carlo Giudicianni

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

487  
citations

687220

13  
h-index

887953

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

349  
citing authors

#	ARTICLE	IF	CITATIONS
1	The faster the better: On the shortest paths role for near real-time decision making of water utilities. Reliability Engineering and System Safety, 2021, 212, 107589.	5.1	8
2	Automatic Multiscale Approach for Water Networks Partitioning into Dynamic District Metered Areas. Water Resources Management, 2020, 34, 835-848.	1.9	37
3	Zero-net energy management for the monitoring and control of dynamically-partitioned smart water systems. Journal of Cleaner Production, 2020, 252, 119745.	4.6	66
4	Overview of Energy Management and Leakage Control Systems for Smart Water Grids and Digital Water. Modelling, 2020, 1, 134-155.	0.8	17
5	Reducing Impacts of Contamination in Water Distribution Networks: A Combined Strategy Based on Network Partitioning and Installation of Water Quality Sensors. Water (Switzerland), 2019, 11, 1315.	1.2	35
6	Flowing Blow-Offs: A Solution to Maintain Adequate Disinfectant Residuals of Dead-End Nodes in WDNs. Proceedings (mdpi), 2019, 48, .	0.2	0
7	Performance of partitioned water distribution networks under spatial-temporal variability of water demand. Environmental Modelling and Software, 2018, 101, 128-136.	1.9	22
8	Complex network and fractal theory for the assessment of water distribution network resilience to pipe failures. Water Science and Technology: Water Supply, 2018, 18, 767-777.	1.0	47
9	Optimal Sensor Placement in a Partitioned Water Distribution Network for the Water Protection from Contamination. Proceedings (mdpi), 2018, 2, .	0.2	6
10	DMA Optimal Layout for Protection of Water Distribution Networks from Malicious Attack. Lecture Notes in Computer Science, 2018, , 84-96.	1.0	2
11	Scaling-Laws of Flow Entropy with Topological Metrics of Water Distribution Networks. Entropy, 2018, 20, 95.	1.1	17
12	Applications of Graph Spectral Techniques to Water Distribution Network Management. Water (Switzerland), 2018, 10, 45.	1.2	50
13	Topological Taxonomy of Water Distribution Networks. Water (Switzerland), 2018, 10, 444.	1.2	62
14	Weighted spectral clustering for water distribution network partitioning. Applied Network Science, 2017, 2, 19.	0.8	26
15	Economic and Energy Criteria for District Meter Areas Design of Water Distribution Networks. Water (Switzerland), 2017, 9, 463.	1.2	26
16	Water Supply Network Partitioning Based On Weighted Spectral Clustering. Studies in Computational Intelligence, 2017, , 797-807.	0.7	10
17	Water Supply Network Partitioning Based on Simultaneous Cost and Energy Optimization. Procedia Engineering, 2016, 162, 238-245.	1.2	16
18	Water Distribution System Clustering and Partitioning Based on Social Network Algorithms. Procedia Engineering, 2015, 119, 196-205.	1.2	40