

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
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19
all docs

19
docs citations

19
times ranked

349
citing authors

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