Gustavo Meirelles

List of Publications by Year
in descending order

21 papers	287 citations	1040056 9 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	286 citing authors

#	Article	IF	Citations
1	Selection and location of Pumps as Turbines substituting pressure reducing valves. Renewable Energy, 2017, 109, 392-405.	8.9	66
2	Optimal design of water supply networks using an energy recovery approach. Renewable Energy, 2018, 117, 404-413.	8.9	33
3	Calibration Model for Water Distribution Network Using Pressures Estimated by Artificial Neural Networks. Water Resources Management, 2017, 31, 4339-4351.	3.9	29
4	Social Network Community Detection for DMA Creation: Criteria Analysis through Multilevel Optimization. Mathematical Problems in Engineering, 2017, 2017, 1-12.	1.1	28
5	Social Network Community Detection and Hybrid Optimization for Dividing Water Supply into District Metered Areas. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	26
6	District metered area design through multicriteria and multiobjective optimization. Mathematical Methods in the Applied Sciences, 2022, 45, 3254-3271.	2.3	19
7	Trunk Network Rehabilitation for Resilience Improvement and Energy Recovery in Water Distribution Networks. Water (Switzerland), 2018, 10, 693.	2.7	14
8	Correlation Analysis of Water Demand and Predictive Variables for Short-Term Forecasting Models. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	13
9	Selection of Pumps as Turbines Substituting Pressure Reducing Valves. Procedia Engineering, 2017, 186, 676-683.	1.2	11
10	Cyber-Attack Detection in Water Distribution Systems Based on Blind Sources Separation Technique. Water (Switzerland), 2021, 13, 795.	2.7	10
11	Grand Tour Algorithm: Novel Swarm-Based Optimization for High-Dimensional Problems. Processes, 2020, 8, 980.	2.8	7
12	Pattern Recognition and Clustering of Transient Pressure Signals for Burst Location. Water (Switzerland), 2019, 11, 2279.	2.7	6
13	Thermal effusivity estimation of polymers in time domain. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2011, 33, 393-399.	1.6	6
14	Rehabilitation in Intermittent Water Distribution Networks for Optimal Operation. Water (Switzerland), 2022, 14, 88.	2.7	6
15	Optimal pump selection for variable speed operation in water distribution network. Revista Brasileira De Recursos Hidricos, 0, 25, .	0.5	4
16	Optimal pressure management in water distribution networks through district metered area creation based on machine learning. Revista Brasileira De Recursos Hidricos, 0, 24, .	0.5	3
17	Energy and Hydraulic Efficiency in Intermittent Operation of Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	3
18	Optimal architecture for artificial neural networks as pressure estimator. Revista Brasileira De Recursos Hidricos, 0, 26, .	0.5	1

#	Article	IF	Citations
19	Hydraulic Capacity Recovery after Demand Expansion: Complex Network and Preference-Aided Multicriteria Analysis. , 2022, , .		1
20	MÃˆTODO PARA ANÃ€LISE DE VIABILIDADE TÃ‰CNICA E ECONÃ"NICA DE BOMBAS FUNCIONANDO COMO TURBINAS EM REDES DE DISTRIBUIÃ‡Ã,O DE Ã€GUA. , 0, , .		0
21	DIMENSIONAMENTO ECONÃ"MICO DE REDES DE DISTRIBUIÃ‡ÃƒO DE ÃGUA CONSIDERANDO A MICROGERAÃ‡ÃƒO. , 0, , .		0