

Gustavo Meirelles

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | District metered area design through multicriteria and multiobjective optimization. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 3254-3271. | 1.2 | 19 |
| 2 | Rehabilitation in Intermittent Water Distribution Networks for Optimal Operation. <i>Water (Switzerland)</i> , 2022, 14, 88. | 1.2 | 6 |
| 3 | Energy and Hydraulic Efficiency in Intermittent Operation of Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, . | 1.3 | 3 |
| 4 | Hydraulic Capacity Recovery after Demand Expansion: Complex Network and Preference-Aided Multicriteria Analysis. , 2022, , . | | 1 |
| 5 | Cyber-Attack Detection in Water Distribution Systems Based on Blind Sources Separation Technique. <i>Water (Switzerland)</i> , 2021, 13, 795. | 1.2 | 10 |
| 6 | Grand Tour Algorithm: Novel Swarm-Based Optimization for High-Dimensional Problems. <i>Processes</i> , 2020, 8, 980. | 1.3 | 7 |
| 7 | Pattern Recognition and Clustering of Transient Pressure Signals for Burst Location. <i>Water (Switzerland)</i> , 2019, 11, 2279. | 1.2 | 6 |
| 8 | Social Network Community Detection and Hybrid Optimization for Dividing Water Supply into District Metered Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, . | 1.3 | 26 |
| 9 | Optimal design of water supply networks using an energy recovery approach. <i>Renewable Energy</i> , 2018, 117, 404-413. | 4.3 | 33 |
| 10 | Trunk Network Rehabilitation for Resilience Improvement and Energy Recovery in Water Distribution Networks. <i>Water (Switzerland)</i> , 2018, 10, 693. | 1.2 | 14 |
| 11 | Selection and location of Pumps as Turbines substituting pressure reducing valves. <i>Renewable Energy</i> , 2017, 109, 392-405. | 4.3 | 66 |
| 12 | Calibration Model for Water Distribution Network Using Pressures Estimated by Artificial Neural Networks. <i>Water Resources Management</i> , 2017, 31, 4339-4351. | 1.9 | 29 |
| 13 | Selection of Pumps as Turbines Substituting Pressure Reducing Valves. <i>Procedia Engineering</i> , 2017, 186, 676-683. | 1.2 | 11 |
| 14 | Social Network Community Detection for DMA Creation: Criteria Analysis through Multilevel Optimization. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-12. | 0.6 | 28 |
| 15 | Correlation Analysis of Water Demand and Predictive Variables for Short-Term Forecasting Models. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-10. | 0.6 | 13 |
| 16 | Thermal effusivity estimation of polymers in time domain. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2011, 33, 393-399. | 0.8 | 6 |
| 17 | Optimal pressure management in water distribution networks through district metered area creation based on machine learning. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 24, . | 0.5 | 3 |
| 18 | MÃTODO PARA ANÃLISE DE VIABILIDADE TÃCNICA E ECONÃMICA DE BOMBAS FUNCIONANDO COMO TURBINAS EM REDES DE DISTRIBUIÃÃ DE ÃGUA. , 0, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | DIMENSIONAMENTO ECONÔMICO DE REDES DE DISTRIBUIÇÃO DE ÁGUA CONSIDERANDO A MICROGERAÇÃO. , 0, , . | | 0 |
| 20 | Optimal pump selection for variable speed operation in water distribution network. Revista Brasileira De Recursos Hidricos, 0, 25, . | 0.5 | 4 |
| 21 | Optimal architecture for artificial neural networks as pressure estimator. Revista Brasileira De Recursos Hidricos, 0, 26, . | 0.5 | 1 |