# Luisa Fernanda Ribeiro Reis

List of Publications by Year
in descending order

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|---|---|---|---|
| **29**<br>papers | **623**<br>citations | 759055<br>**12**<br>h-index | 752573<br>**20**<br>g-index |
| **30**<br>all docs | **30**<br>docs citations | **30**<br>times ranked | **575**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Optimal Location of Control Valves in Pipe Networks by Genetic Algorithm. Journal of Water Resources Planning and Management - ASCE, 1997, 123, 317-326. | 1.3 | 108 |
| 2 | Analysis of PVC Pipe-Wall Viscoelasticity during Water Hammer. Journal of Hydraulic Engineering, 2008, 134, 1389-1394. | 0.7 | 102 |
| 3 | Leak detection by inverse transient analysis in an experimental PVC pipe system. Journal of Hydroinformatics, 2011, 13, 153-166. | 1.1 | 74 |
| 4 | Real-Time Multiobjective Optimization of Operation of Water Supply Systems. Journal of Water Resources Planning and Management - ASCE, 2015, 141, . | 1.3 | 54 |
| 5 | Hybrid Water Demand Forecasting Model Associating Artificial Neural Network with Fourier Series. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 245-256. | 1.3 | 49 |
| 6 | Water Supply Reservoir Operation by Combined Genetic Algorithm â€" Linear Programming (GA-LP) Approach. Water Resources Management, 2006, 20, 227-255. | 1.9 | 47 |
| 7 | Multi-Reservoir Operation Planning Using Hybrid Genetic Algorithm and Linear Programming (GA-LP): An Alternative Stochastic Approach. Water Resources Management, 2005, 19, 831-848. | 1.9 | 42 |
| 8 | Multiobjective Evolutionary Algorithms Applied to the Rehabilitation of a Water Distribution System: A Comparative Study. Lecture Notes in Computer Science, 2003, , 662-676. | 1.0 | 29 |
| 9 | Evaluation of Chlorine Decay in Drinking Water Systems for Different Flow Conditions: From Theory to Practice. Water Resources Management, 2010, 24, 815-834. | 1.9 | 27 |
| 10 | Optimal Design of Water Distribution System by Multiobjective Evolutionary Methods. Lecture Notes in Computer Science, 2003, , 677-691. | 1.0 | 18 |
| 11 | Feature Extraction in Pressure Signals for Leak Detection in Water Networks. Procedia Engineering, 2014, 70, 688-697. | 1.2 | 13 |
| 12 | Incorporating Multi-event and Multi-site Data in the Calibration of SWMM. Procedia Engineering, 2014, 70, 75-84. | 1.2 | 13 |
| 13 | Sampling Design for Leak Detection in Water Distribution Networks. Procedia Engineering, 2017, 186, 460-469. | 1.2 | 13 |
| 14 | Avaliação do gerenciamento de resíduos de serviços de saúde por meio de indicadores de desempenho. Engenharia Sanitaria E Ambiental, 2010, 15, 167-176. | 0.1 | 10 |
| 15 | Avaliação das perdas físicas de um setor da rede de abastecimento de Água de Campo Grande-MS via modelo inverso. Engenharia Sanitaria E Ambiental, 2004, 9, 312-321. | 0.1 | 9 |
| 16 | Use of Metamodels in Real-Time Operation of Water Distribution Systems. Procedia Engineering, 2014, 89, 449-456. | 1.2 | 6 |
| 17 | Calculating Flow in Manifold and Orifice System. Journal of Environmental Engineering, ASCE, 1992, 118, 585-596. | 0.7 | 2 |
| 18 | Multi-objective optimization to the rehabilitation of a water distribution network. , 2003, , . | | 2 |

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|---|---------|----|-----------| 
| 19 | Multiobjective Automatic Calibration of the Storm Water Management Model (SWMM) Using Non-Dominated Sorting Genetic Algorithm II (NSGA-II). , 2011, , . | | 1 |
| 20 | Avaliação da rugosidade relativa dos tubos de PVC com vistas ao dimensionamento das redes de distribuição de Água. Engenharia Sanitaria E Ambiental, 2016, 21, 347-355. | 0.1 | 1 |
| 21 | Maximum Design Flow Estimates for Large Basins Using the Local Frequency Analysis (LFA) and the Most Probable Maximum Hydrograph (MPMH) Methods â€" a Critical Analysis. Water Resources Management, 2017, 31, 127-141. | 1.9 | 1 |
| 22 | Closure to â€œCalculating Flow in Manifold and Orifice Systemâ€•by Fazal H. Chaudhry and Luisa F. R. Reis (July/August, 1992, Vol. 118, No. 4). Journal of Environmental Engineering, ASCE, 1993, 119, 1000-1000. | 0.7 | 0 |
| 23 | Closure to â€œOptimal Location of Control Valves in Pipe Networks by Genetic Algorithmâ€•by L. F. R. Reis, R. M. Porto, and F. H. Chaudhry. Journal of Water Resources Planning and Management - ASCE, 1999, 125, 67-67. | 1.3 | 0 |
| 24 | Acquisition of Optimal Operational Strategies for Water Distribution Systems Using Evolutionary Algorithms, Machine Learning and Preference Ordering Routine. , 2008, , . | | 0 |
| 25 | Closure to â€œAnalysis of PVC Pipe-Wall Viscoelasticity during Water Hammerâ€•by A. K. Soares, D. I. C. Covas, and L. F. R. Reis. Journal of Hydraulic Engineering, 2010, 136, 548-550. | 0.7 | 0 |
| 26 | Hybrid Water Demand Forecasting Model Associating Artificial Neural Network with Fourier Series. , 2011, , . | | 0 |
| 27 | Head-Driven Simulation Model (HDSM) for water distribution system calibration. , 2003, , . | | 0 |
| 28 | Analysis of transient vaporous cavitation in polyethylene pipes. , 2009, , 307-310. | | 0 |
| 29 | Effects of the pipe-wall rheological behaviour on hydraulic transient pressures. , 2009, , 57-60. | | 0 |