

Daniel Mora-Melia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5359120/publications.pdf>

Version: 2024-02-01

43
papers

761
citations

567281

15
h-index

526287

27
g-index

45
all docs

45
docs citations

45
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	Battle of the Water Networks II. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	2.6	92
2	The multiple team formation problem using sociometry. Computers and Operations Research, 2016, 75, 150-162.	4.0	60
3	Development of sustainable fired clay bricks by adding kindling from vine shoot: Study of thermal and mechanical properties. Applied Clay Science, 2015, 107, 156-164.	5.2	53
4	Efficiency of Evolutionary Algorithms in Water Network Pipe Sizing. Water Resources Management, 2015, 29, 4817-4831.	3.9	47
5	Hydraulic modeling during filling and emptying processes in pressurized pipelines: a literature review. Urban Water Journal, 2019, 16, 299-311.	2.1	40
6	Transient phenomena during the emptying process of a single pipe with water-air interaction. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 318-326.	1.7	38
7	Design of Water Distribution Networks using a Pseudo-Genetic Algorithm and Sensitivity of Genetic Operators. Water Resources Management, 2013, 27, 4149-4162.	3.9	35
8	Weather-wise: A weather-aware planning tool for improving construction productivity and dealing with claims. Automation in Construction, 2017, 84, 81-95.	9.8	33
9	Multi-Objective Optimization for Urban Drainage or Sewer Networks Rehabilitation through Pipes Substitution and Storage Tanks Installation. Water (Switzerland), 2019, 11, 935.	2.7	31
10	Earned Schedule min-max: Two new EVM metrics for monitoring and controlling projects. Automation in Construction, 2019, 103, 279-290.	9.8	30
11	The Efficiency of Setting Parameters in a Modified Shuffled Frog Leaping Algorithm Applied to Optimizing Water Distribution Networks. Water (Switzerland), 2016, 8, 182.	2.7	28
12	Modeling bidding competitiveness and position performance in multi-attribute construction auctions. Operations Research Perspectives, 2015, 2, 24-35.	2.1	26
13	Implications of Life Cycle Energy Assessment of a new school building, regarding the nearly Zero Energy Buildings targets in EU: A case of Study. Sustainable Cities and Society, 2017, 32, 142-152.	10.4	24
14	Viability of Green Roofs as a Flood Mitigation Element in the Central Region of Chile. Sustainability, 2018, 10, 1130.	3.2	23
15	Urban Drainage Network Rehabilitation Considering Storm Tank Installation and Pipe Substitution. Water (Switzerland), 2019, 11, 515.	2.7	17
16	Human Resource Allocation to Multiple Projects Based on Members' Expertise, Group Heterogeneity, and Social Cohesion. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	3.8	15
17	Combining Engineering Judgment and an Optimization Model to Increase Hydraulic and Energy Efficiency in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	14
18	Mechanical Properties and Seismic Performance of Wood-Concrete Composite Blocks for Building Construction. Materials, 2019, 12, 1500.	2.9	14

#	ARTICLE	IF	CITATIONS
19	BBLAWN: A Combined Use of Best Management Practices and an Optimization Model Based on a Pseudo-Genetic Algorithm. <i>Procedia Engineering</i> , 2014, 89, 29-36.	1.2	13
20	A Methodology for the Optimization of Flow Rate Injection to Looped Water Distribution Networks through Multiple Pumping Stations. <i>Water (Switzerland)</i> , 2016, 8, 575.	2.7	13
21	Computational Determination of Air Valves Capacity Using CFD Techniques. <i>Water (Switzerland)</i> , 2018, 10, 1433.	2.7	13
22	Population Size Influence on the Efficiency of Evolutionary Algorithms to Design Water Networks. <i>Procedia Engineering</i> , 2017, 186, 341-348.	1.2	12
23	Structural Resistance of Reinforced Concrete Buildings in Areas of Moderate Seismicity and Assessment of Strategies for Structural Improvement. <i>Buildings</i> , 2017, 7, 89.	3.1	12
24	Use of Fixed and Variable Speed Pumps in Water Distribution Networks with Different Control Strategies. <i>Water (Switzerland)</i> , 2021, 13, 479.	2.7	11
25	Exact Skeletonization Method in Water Distribution Systems for Hydraulic and Quality Models. <i>Procedia Engineering</i> , 2017, 186, 286-293.	1.2	8
26	Methodology for Pumping Station Design Based on Analytic Hierarchy Process (AHP). <i>Water (Switzerland)</i> , 2021, 13, 2886.	2.7	8
27	Search Space Reduction for Genetic Algorithms Applied to Drainage Network Optimization Problems. <i>Water (Switzerland)</i> , 2021, 13, 2008.	2.7	7
28	STUDY OF SENSITIVITY OF THE PARAMETERS OF A GENETIC ALGORITHM FOR DESIGN OF WATER DISTRIBUTION NETWORKS. <i>Journal of Urban and Environmental Engineering</i> , 2007, 1, 61-69.	0.3	7
29	Using the Set Point Concept to Allow Water Distribution System Skeletonization Preserving Water Quality Constraints. <i>Procedia Engineering</i> , 2014, 89, 213-219.	1.2	6
30	Quasi-static Flow Model for Predicting the Extreme Values of Air Pocket Pressure in Draining and Filling Operations in Single Water Installations. <i>Water (Switzerland)</i> , 2020, 12, 664.	2.7	5
31	Methodology for Determining the Maximum Potentially Recoverable Energy in Water Distribution Networks. <i>Water (Switzerland)</i> , 2021, 13, 464.	2.7	4
32	Efficiency Criteria as a Solution to the Uncertainty in the Choice of Population Size in Population-Based Algorithms Applied to Water Network Optimization. <i>Water (Switzerland)</i> , 2016, 8, 583.	2.7	3
33	jHawanet: An Open-Source Project for the Implementation and Assessment of Multi-Objective Evolutionary Algorithms on Water Distribution Networks. <i>Water (Switzerland)</i> , 2019, 11, 2018.	2.7	3
34	Inclusion of Hydraulic Controls in Rehabilitation Models of Drainage Networks to Control Floods. <i>Water (Switzerland)</i> , 2021, 13, 514.	2.7	3
35	Stability and accuracy of deterministic project duration forecasting methods in earned value management. <i>Engineering, Construction and Architectural Management</i> , 2021, , .	3.1	3
36	Application of the harmony search algorithm to water distribution networks design. , 2009, , 265-271.		3

#	ARTICLE	IF	CITATIONS
37	Pumping Station Design in Water Distribution Networks Considering the Optimal Flow Distribution between Sources and Capital and Operating Costs. Water (Switzerland), 2021, 13, 3098.	2.7	3
38	Air valves behavior. Comparison between compressible and incompressible flow. , 2009, , 293-296.		2
39	Comparison of evolutionary algorithms for design of sewer systems. , 2009, , 261-263.		1
40	Statistical Analysis of Water Distribution Networks Design Using Harmony Search. , 2009, , .		0
41	Multi-objective Evolutionary Algorithms Assessment for Pump Scheduling Problems. , 2019, , .		0
42	Determinaciin del tamaao de poblaciin inicial mms eficiente en el dimensionado de redes de agua mediante algoritmos meta-heurrsticos (Choice of the Most Efficient Population Size in Meta-Heuristic) Tj ETQq0 0 0 BT /Overlock 10 T		0
43	Depresiones alcanzadas durante el vaciado de agua en conducciones presurizadas con aire atrapado (Negative Pressure Occurrence During the Draining Operation of Water Pipelines with Entrapped Air). SSRN Electronic Journal, 0, , .	0.4	0