

Andru00e9s L Medaglia

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7912975/andru00e9s-l-medaglia-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

2,437
citations

25
h-index

48
g-index

75
ext. papers

2,829
ext. citations

3.7
avg, IF

5.24
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 73 | A review of dynamic vehicle routing problems. <i>European Journal of Operational Research</i> , 2013 , 225, 1-11 | 5.6 | 661 |
| 72 | Optimization model for the selection of materials using a LEED-based green building rating system in Colombia. <i>Building and Environment</i> , 2009 , 44, 1162-1170 | 6.5 | 174 |
| 71 | The Interdependent Network Design Problem for Optimal Infrastructure System Restoration. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016 , 31, 334-350 | 8.4 | 131 |
| 70 | A multiobjective evolutionary approach for linearly constrained project selection under uncertainty. <i>European Journal of Operational Research</i> , 2007 , 179, 869-894 | 5.6 | 110 |
| 69 | A memetic algorithm for the multi-compartment vehicle routing problem with stochastic demands. <i>Computers and Operations Research</i> , 2010 , 37, 1886-1898 | 4.6 | 107 |
| 68 | A matheuristic for the truck and trailer routing problem. <i>European Journal of Operational Research</i> , 2013 , 230, 231-244 | 5.6 | 79 |
| 67 | A GRASP with evolutionary path relinking for the truck and trailer routing problem. <i>Computers and Operations Research</i> , 2011 , 38, 1319-1334 | 4.6 | 76 |
| 66 | On an exact method for the constrained shortest path problem. <i>Computers and Operations Research</i> , 2013 , 40, 378-384 | 4.6 | 65 |
| 65 | GRASP/VND and multi-start evolutionary local search for the single truck and trailer routing problem with satellite depots. <i>Engineering Applications of Artificial Intelligence</i> , 2010 , 23, 780-794 | 7.2 | 62 |
| 64 | A parallel matheuristic for the technician routing and scheduling problem. <i>Optimization Letters</i> , 2013 , 7, 1525-1535 | 1.1 | 60 |
| 63 | Solution methods for the bi-objective (cost-coverage) unconstrained facility location problem with an illustrative example. <i>Annals of Operations Research</i> , 2006 , 147, 109-141 | 3.2 | 53 |
| 62 | An event-driven optimization framework for dynamic vehicle routing. <i>Decision Support Systems</i> , 2012 , 54, 414-423 | 5.6 | 50 |
| 61 | An evolutionary-based decision support system for vehicle routing: The case of a public utility. <i>Decision Support Systems</i> , 2009 , 46, 730-742 | 5.6 | 47 |
| 60 | An exact method for the biobjective shortest path problem for large-scale road networks. <i>European Journal of Operational Research</i> , 2015 , 242, 788-797 | 5.6 | 46 |
| 59 | An efficient and flexible mechanism for constructing membership functions. <i>European Journal of Operational Research</i> , 2002 , 139, 84-95 | 5.6 | 46 |
| 58 | A multiobjective model for the selection and timing of public enterprise projects. <i>Socio-Economic Planning Sciences</i> , 2008 , 42, 31-45 | 3.7 | 43 |
| 57 | Decision Support with Web-Enabled Software. <i>Interfaces</i> , 2001 , 31, 109-129 | 0.7 | 43 |

| | | | |
|----|---|-----|----|
| 56 | Hybrid biobjective evolutionary algorithms for the design of a hospital waste management network. <i>Journal of Heuristics</i> , 2009 , 15, 153-176 | 1.9 | 41 |
| 55 | Supply chain optimization tool for purchasing decisions in B2B construction marketplaces. <i>Automation in Construction</i> , 2007 , 16, 569-575 | 9.6 | 36 |
| 54 | An Exact Algorithm for the Elementary Shortest Path Problem with Resource Constraints. <i>Transportation Science</i> , 2016 , 50, 348-357 | 4.4 | 34 |
| 53 | On the combined maintenance and routing optimization problem. <i>Reliability Engineering and System Safety</i> , 2016 , 145, 199-214 | 6.3 | 31 |
| 52 | Constructive Heuristics for the Multicompartment Vehicle Routing Problem with Stochastic Demands. <i>Transportation Science</i> , 2011 , 45, 346-363 | 4.4 | 30 |
| 51 | Labeling algorithm for the shortest path problem with turn prohibitions with application to large-scale road networks. <i>Annals of Operations Research</i> , 2007 , 157, 169-182 | 3.2 | 28 |
| 50 | An improved robust topology optimization approach using multiobjective evolutionary algorithms. <i>Computers and Structures</i> , 2013 , 125, 1-10 | 4.5 | 26 |
| 49 | A hybrid topology optimization methodology combining simulated annealing and SIMP. <i>Computers and Structures</i> , 2011 , 89, 1512-1522 | 4.5 | 26 |
| 48 | On Modeling Stochastic Travel and Service Times in Vehicle Routing. <i>Transportation Science</i> , 2016 , 50, 627-641 | 4.4 | 24 |
| 47 | Linear solution schemes for Mean-SemiVariance Project portfolio selection problems: An application in the oil and gas industry. <i>Omega</i> , 2017 , 68, 39-48 | 7.2 | 24 |
| 46 | Hybrid Algorithm for Route Design on Bus Rapid Transit Systems. <i>Transportation Science</i> , 2015 , 49, 66-84 | 4.4 | 21 |
| 45 | Constrained network-based column generation for the multi-activity shift scheduling problem. <i>International Journal of Production Economics</i> , 2012 , 140, 466-472 | 9.3 | 21 |
| 44 | Sustainable workforce scheduling in construction program management. <i>Journal of the Operational Research Society</i> , 2013 , 64, 1169-1181 | 2 | 21 |
| 43 | On the preventive management of sediment-related sewer blockages: a combined maintenance and routing optimization approach. <i>Water Science and Technology</i> , 2016 , 74, 302-8 | 2.2 | 16 |
| 42 | Solving the Orienteering Problem with Time Windows via the Pulse Framework. <i>Computers and Operations Research</i> , 2015 , 54, 168-176 | 4.6 | 13 |
| 41 | Bicycle safety in Bogotá—A seven-year analysis of bicyclists' collisions and fatalities. <i>Accident Analysis and Prevention</i> , 2020 , 144, 105596 | 6.1 | 12 |
| 40 | A genetic-based framework for solving (multi-criteria) weighted matching problems. <i>European Journal of Operational Research</i> , 2003 , 149, 77-101 | 5.6 | 12 |
| 39 | A note on branch-and-cut-and-price. <i>Operations Research Letters</i> , 2010 , 38, 346-353 | 1 | 11 |

| | | | |
|----|--|-----|----|
| 38 | Combined maintenance and routing optimization for large-scale sewage cleaning. <i>Annals of Operations Research</i> , 2020 , 286, 441-474 | 3.2 | 11 |
| 37 | Urban Transformations and Health: Methods for TrUST-a Natural Experiment Evaluating the Impacts of a Mass Transit Cable Car in Bogot Colombia. <i>Frontiers in Public Health</i> , 2020 , 8, 64 | 6 | 10 |
| 36 | Acceleration strategies for the weight constrained shortest path problem with replenishment. <i>Optimization Letters</i> , 2014 , 8, 2155-2172 | 1.1 | 10 |
| 35 | Design of a motorcycle frame using neuroacceleration strategies in MOEAs. <i>Journal of Heuristics</i> , 2009 , 15, 177-196 | 1.9 | 10 |
| 34 | 2007 , | | 9 |
| 33 | Efficient Coverage Algorithms for Wireless Sensor Networks 2006 , | | 9 |
| 32 | Level of traffic stress-based classification: A clustering approach for Bogot Colombia. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 85, 102420 | 6.4 | 8 |
| 31 | Fuzzy controlled simulation optimization. <i>Fuzzy Sets and Systems</i> , 2002 , 127, 65-84 | 3.7 | 7 |
| 30 | An exact bidirectional pulse algorithm for the constrained shortest path. <i>Networks</i> , 2020 , 76, 128-146 | 1.6 | 6 |
| 29 | A DEA-centric decision support system for evaluating Ciclov Recreativa programs in the Americas. <i>Socio-Economic Planning Sciences</i> , 2018 , 61, 90-101 | 3.7 | 6 |
| 28 | Maximizing Labor Stability As a Sustainability Performance Indicator in Project Scheduling 2012 , | | 6 |
| 27 | Optimization model for urban air quality policy design: A case study in Latin America. <i>Computers, Environment and Urban Systems</i> , 2019 , 78, 101385 | 5.9 | 5 |
| 26 | On the optimal parking lot subscription policy problem: a hybrid simulation-optimization approach. <i>Annals of Operations Research</i> , 2014 , 222, 29-44 | 3.2 | 5 |
| 25 | Locating Neighborhood Parks with a Lexicographic Multiobjective Optimization Method. <i>Profiles in Operations Research</i> , 2012 , 143-171 | 1 | 5 |
| 24 | Car pooling optimization: A case study in Strasbourg (France) 2008 , | | 5 |
| 23 | An exact method for a class of robust shortest path problems with scenarios. <i>Networks</i> , 2019 , 74, 360-373 | 3.6 | 4 |
| 22 | Computing bounds on the expected payoff of Alternative Risk Transfer products. <i>Insurance: Mathematics and Economics</i> , 2012 , 51, 271-281 | 1.5 | 4 |
| 21 | Scheduling of parallel machines with sequence-dependent batches and product incompatibilities in an automotive glass facility. <i>Journal of Scheduling</i> , 2014 , 17, 521-540 | 1.6 | 4 |

| | | | |
|----|---|-----|---|
| 20 | Optimization Model for the Selection of Materials Using the LEED Green Building Rating System 2009, | | 4 |
| 19 | Resource allocation for infrastructure networks within the context of disaster management 2014, 639-646 | | 4 |
| 18 | Improving harvesting operations in an oil palm plantation. <i>Annals of Operations Research,</i> 2020, 1 | 3.2 | 3 |
| 17 | A robust DEA-centric location-based decision support system for expanding Recreation hubs in the city of Bogotá (Colombia). <i>International Transactions in Operational Research,</i> 2019, 26, 1157-1187 | 2.9 | 3 |
| 16 | Mitigation Strategies for Lifeline Systems Based on the Interdependent Network Design Problem 2014, | | 3 |
| 15 | 2009, | | 3 |
| 14 | Material Selection in Building Construction Using Optimal Scoring Method (OSM) 2009, | | 2 |
| 13 | Smart Pooling: AI-powered COVID-19 testing | | 2 |
| 12 | On the shortest (alpha)-reliable path problem. <i>Top,</i> 2021, 29, 287-318 | 1.3 | 2 |
| 11 | Evacuation dynamics: a modeling and visualization framework. <i>OR Spectrum,</i> 2020, 42, 661-691 | 1.9 | 2 |
| 10 | Optimizing B2B transactions using the marketplace competitive analyzer. <i>International Journal of Management Science and Engineering Management,</i> 2006, 1, 37-46 | 2.8 | 1 |
| 9 | Generation of Pop-Rock Chord Sequences Using Genetic Algorithms and Variable Neighborhood Search. <i>Lecture Notes in Computer Science,</i> 2009, 573-578 | 0.9 | 1 |
| 8 | Is the built-environment at origin, on route, and at destination associated with bicycle commuting? A gender-informed approach. <i>Journal of Transport Geography,</i> 2021, 94, None | 5.2 | 1 |
| 7 | Optimal waterflooding management using an embedded predictive analytical model. <i>Journal of Petroleum Science and Engineering,</i> 2022, 208, 109419 | 4.4 | 1 |
| 6 | Time Estimation and Hotspot Detection in the Evacuation of a Complex of Buildings: A Mesoscopic Approach and Case Study. <i>IEEE Transactions on Engineering Management,</i> 2020, 67, 641-658 | 2.6 | 0 |
| 5 | Exact bidirectional algorithm for the least expected travel-time path problem on stochastic and time-dependent networks. <i>Computers and Operations Research,</i> 2022, 141, 105671 | 4.6 | 0 |
| 4 | An improved hybrid topology optimization approach coupling simulated annealing and SIMP (SA-SIMP). <i>IOP Conference Series: Materials Science and Engineering,</i> 2010, 10, 012183 | 0.4 | |
| 3 | Solving the Winner Determination Problem in a Divisible-Object Auction. <i>Engineering Economist,</i> 2007, 52, 179-194 | 0.8 | |

- 2 An Evolutionary Algorithm for Project Selection Problems Based on Stochastic Multiobjective Linearly Constrained Optimization. *Profiles in Operations Research*, **2003**, 163-189 1
- 1 A column-oriented optimization approach for the generation of correlated random vectors. *OR Spectrum*, **2021**, 43, 777-808 1.9