

Andru00e9s L Medaglia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7912975/publications.pdf>

Version: 2024-02-01

73
papers

3,261
citations

218592

26
h-index

155592

55
g-index

75
all docs

75
docs citations

75
times ranked

2996
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of dynamic vehicle routing problems. <i>European Journal of Operational Research</i> , 2013, 225, 1-11.	3.5	876
2	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.	3.0	210
3	The Interdependent Network Design Problem for Optimal Infrastructure System Restoration. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016, 31, 334-350.	6.3	188
4	A memetic algorithm for the multi-compartment vehicle routing problem with stochastic demands. <i>Computers and Operations Research</i> , 2010, 37, 1886-1898.	2.4	137
5	A multiobjective evolutionary approach for linearly constrained project selection under uncertainty. <i>European Journal of Operational Research</i> , 2007, 179, 869-894.	3.5	128
6	On an exact method for the constrained shortest path problem. <i>Computers and Operations Research</i> , 2013, 40, 378-384.	2.4	101
7	A matheuristic for the truck and trailer routing problem. <i>European Journal of Operational Research</i> , 2013, 230, 231-244.	3.5	99
8	A GRASP with evolutionary path relinking for the truck and trailer routing problem. <i>Computers and Operations Research</i> , 2011, 38, 1319-1334.	2.4	91
9	A parallel matheuristic for the technician routing and scheduling problem. <i>Optimization Letters</i> , 2013, 7, 1525-1535.	0.9	84
10	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.	4.3	83
11	An event-driven optimization framework for dynamic vehicle routing. <i>Decision Support Systems</i> , 2012, 54, 414-423.	3.5	69
12	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.	2.6	68
13	An Exact Algorithm for the Elementary Shortest Path Problem with Resource Constraints. <i>Transportation Science</i> , 2016, 50, 348-357.	2.6	68
14	An efficient and flexible mechanism for constructing membership functions. <i>European Journal of Operational Research</i> , 2002, 139, 84-95.	3.5	60
15	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.	3.5	60
16	An evolutionary-based decision support system for vehicle routing: The case of a public utility. <i>Decision Support Systems</i> , 2009, 46, 730-742.	3.5	55
17	Decision Support with Web-Enabled Software. <i>Interfaces</i> , 2001, 31, 109-129.	1.6	52
18	A multiobjective model for the selection and timing of public enterprise projects. <i>Socio-Economic Planning Sciences</i> , 2008, 42, 31-45.	2.5	52

#	ARTICLE	IF	CITATIONS
19	On the combined maintenance and routing optimization problem. Reliability Engineering and System Safety, 2016, 145, 199-214.	5.1	51
20	Supply chain optimization tool for purchasing decisions in B2B construction marketplaces. Automation in Construction, 2007, 16, 569-575.	4.8	47
21	Hybrid biobjective evolutionary algorithms for the design of a hospital waste management network. Journal of Heuristics, 2009, 15, 153-176.	1.1	45
22	Constructive Heuristics for the Multicompartment Vehicle Routing Problem with Stochastic Demands. Transportation Science, 2011, 45, 346-363.	2.6	42
23	Labeling algorithm for the shortest path problem with turn prohibitions with application to large-scale road networks. Annals of Operations Research, 2007, 157, 169-182.	2.6	34
24	A hybrid topology optimization methodology combining simulated annealing and SIMP. Computers and Structures, 2011, 89, 1512-1522.	2.4	34
25	Linear solution schemes for Mean-SemiVariance Project portfolio selection problems: An application in the oil and gas industry. Omega, 2017, 68, 39-48.	3.6	32
26	On Modeling Stochastic Travel and Service Times in Vehicle Routing. Transportation Science, 2016, 50, 627-641.	2.6	31
27	Constrained network-based column generation for the multi-activity shift scheduling problem. International Journal of Production Economics, 2012, 140, 466-472.	5.1	27
28	An improved robust topology optimization approach using multiobjective evolutionary algorithms. Computers and Structures, 2013, 125, 1-10.	2.4	27
29	Hybrid Algorithm for Route Design on Bus Rapid Transit Systems. Transportation Science, 2015, 49, 66-84.	2.6	27
30	Sustainable workforce scheduling in construction program management. Journal of the Operational Research Society, 2013, 64, 1169-1181.	2.1	24
31	An exact bidirectional pulse algorithm for the constrained shortest path. Networks, 2020, 76, 128-146.	1.6	23
32	Urban Transformations and Health: Methods for Trust a Natural Experiment Evaluating the Impacts of a Mass Transit Cable Car in Bogotá, Colombia. Frontiers in Public Health, 2020, 8, 64.	1.3	21
33	On the preventive management of sediment-related sewer blockages: a combined maintenance and routing optimization approach. Water Science and Technology, 2016, 74, 302-308.	1.2	20
34	Bicycle safety in Bogotá: A seven-year analysis of bicyclists' collisions and fatalities. Accident Analysis and Prevention, 2020, 144, 105596.	3.0	20
35	Acceleration strategies for the weight constrained shortest path problem with replenishment. Optimization Letters, 2014, 8, 2155-2172.	0.9	17
36	Solving the Orienteering Problem with Time Windows via the Pulse Framework. Computers and Operations Research, 2015, 54, 168-176.	2.4	17

#	ARTICLE	IF	CITATIONS
37	Combined maintenance and routing optimization for large-scale sewage cleaning. <i>Annals of Operations Research</i> , 2020, 286, 441-474.	2.6	15
38	A genetic-based framework for solving (multi-criteria) weighted matching problems. <i>European Journal of Operational Research</i> , 2003, 149, 77-101.	3.5	14
39	Model for the Selection and Scheduling of Interdependent Projects. , 2007, , .		14
40	A note on branch-and-cut-and-price. <i>Operations Research Letters</i> , 2010, 38, 346-353.	0.5	13
41	Efficient Coverage Algorithms for Wireless Sensor Networks. , 2006, , .		11
42	Design of a motorcycle frame using neuroacceleration strategies in MOEAs. <i>Journal of Heuristics</i> , 2009, 15, 177-196.	1.1	11
43	Level of traffic stress-based classification: A clustering approach for Bogotá, Colombia. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 85, 102420.	3.2	11
44	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, 103120.	2.3	10
45	Locating Neighborhood Parks with a Lexicographic Multiobjective Optimization Method. <i>Profiles in Operations Research</i> , 2012, , 143-171.	0.3	9
46	Fuzzy controlled simulation optimization. <i>Fuzzy Sets and Systems</i> , 2002, 127, 65-84.	1.6	8
47	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.	1.3	8
48	An exact method for a class of robust shortest path problems with scenarios. <i>Networks</i> , 2019, 74, 360-373.	1.6	8
49	Optimization model for urban air quality policy design: A case study in Latin America. <i>Computers, Environment and Urban Systems</i> , 2019, 78, 101385.	3.3	8
50	Maximizing Labor Stability As a Sustainability Performance Indicator in Project Scheduling. , 2012, , .		7
51	A DEA-centric decision support system for evaluating Ciclovía-Recreativa programs in the Americas. <i>Socio-Economic Planning Sciences</i> , 2018, 61, 90-101.	2.5	7
52	On the shortest α -reliable path problem. <i>Top</i> , 2021, 29, 287-318.	1.1	7
53	On the optimal parking lot subscription policy problem: a hybrid simulation-optimization approach. <i>Annals of Operations Research</i> , 2014, 222, 29-44.	2.6	6
54	Integrated planning decisions in the broiler chicken supply chain. <i>International Transactions in Operational Research</i> , 2023, 30, 1931-1954.	1.8	6

#	ARTICLE	IF	CITATIONS
55	Improving harvesting operations in an oil palm plantation. <i>Annals of Operations Research</i> , 2022, 314, 411-449.	2.6	6
56	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.	2.4	6
57	Car pooling optimization: A case study in Strasbourg (France). , 2008, , .		5
58	Optimization Model for the Selection of Materials Using the LEED Green Building Rating System. , 2009, , .		5
59	Material Selection in Building Construction Using Optimal Scoring Method (OSM). , 2009, , .		5
60	Computing bounds on the expected payoff of Alternative Risk Transfer products. <i>Insurance: Mathematics and Economics</i> , 2012, 51, 271-281.	0.7	5
61	Evacuation dynamics: a modeling and visualization framework. <i>OR Spectrum</i> , 2020, 42, 661-691.	2.1	5
62	JG<sup>2</sup>A: A Grid-enabled object-oriented framework for developing genetic algorithms. , 2009, , .		4
63	Mitigation Strategies for Lifeline Systems Based on the Interdependent Network Design Problem. , 2014, , .		4
64	Resource allocation for infrastructure networks within the context of disaster management. , 2014, , 639-646.		4
65	A robust DEA¢ric location&based decision support system for expanding Recreov&A hubs in the city of Bogot& (Colombia). <i>International Transactions in Operational Research</i> , 2019, 26, 1157-1187.	1.8	3
66	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.	2.4	3
67	Optimal waterflooding management using an embedded predictive analytical model. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109419.	2.1	3
68	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.	0.3	2
69	Generation of Pop-Rock Chord Sequences Using Genetic Algorithms and Variable Neighborhood Search. <i>Lecture Notes in Computer Science</i> , 2009, , 573-578.	1.0	2
70	Optimizing B2B transactions using the marketplace competitive analyzer. <i>International Journal of Management Science and Engineering Management</i> , 2006, 1, 37-46.	2.6	1
71	An Evolutionary Algorithm for Project Selection Problems Based on Stochastic Multiobjective Linearly Constrained Optimization. <i>Profiles in Operations Research</i> , 2003, , 163-189.	0.3	1
72	Solving the Winner Determination Problem in a Divisible-Object Auction. <i>Engineering Economist</i> , 2007, 52, 179-194.	0.3	0

#	ARTICLE	IF	CITATIONS
73	A column-oriented optimization approach for the generation of correlated random vectors. OR Spectrum, 2021, 43, 777-808.	2.1	0