

João N Clá-maco

List of Publications by Year in descending order

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54
papers

1,226
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394421

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57
docs citations

57
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Based Models for Group Decision Support in Telecommunication Network Design and Management – Challenges and Trends. Studies in Systems, Decision and Control, 2022, , 215-246.	1.0	0
2	A network-wide exact optimization approach for multiobjective routing with path protection in multiservice multiprotocol label switching networks. Engineering Optimization, 2017, 49, 1226-1246.	2.6	4
3	Multiobjective Linear and Integer Programming. EURO Advanced Tutorials on Operational Research, 2016, , .	0.6	23
4	Multiobjective Integer and Mixed-Integer Linear Programming. EURO Advanced Tutorials on Operational Research, 2016, , 161-203.	0.6	5
5	Multicriteria Analysis in Telecommunication Network Planning and Design: A Survey. Profiles in Operations Research, 2016, , 1167-1233.	0.4	3
6	Multiobjective routing in multiservice MPLS networks with traffic splitting – A network flow approach. Journal of Systems Science and Systems Engineering, 2015, 24, 389-432.	1.6	8
7	A new tool to facilitate quantitative assessment of green activities – A trial application for Rio de Janeiro. Technological Forecasting and Social Change, 2015, 98, 336-344.	11.6	6
8	Stochastic hierarchical multiobjective routing model in MPLS networks with two service classes: an experimental study on imprecision and uncertainty issues. Journal of Uncertainty Analysis and Applications, 2014, 2, .	0.9	0
9	A DSS for bicriteria location problems. Decision Support Systems, 2014, 57, 224-244.	5.9	18
10	A bi-criteria minimum spanning tree routing model for MPLS/overlay networks. Telecommunication Systems, 2013, 52, 203-215.	2.5	5
11	Bicriteria path problem minimizing the cost and minimizing the number of labels. 4or, 2013, 11, 275-294.	1.6	1
12	USING WEIGHTED-SUM FUNCTIONS TO COMPUTE NONSUPPORTED EFFICIENT SOLUTIONS IN MULTIOBJECTIVE COMBINATORIAL-{0,1} PROBLEMS. International Journal of Information Technology and Decision Making, 2013, 12, 27-44.	3.9	3
13	Protected bicriteria paths in transport networks. , 2012, , .		0
14	Hierarchical multiobjective routing model in Multiprotocol Label Switching networks with two service classes – a Pareto archive strategy. Engineering Optimization, 2012, 44, 613-635.	2.6	2
15	Special issue on recent developments in multiple objective programming and goal programming. International Transactions in Operational Research, 2012, 19, 493-494.	2.7	0
16	Multicriteria path and tree problems: discussion on exact algorithms and applications. International Transactions in Operational Research, 2012, 19, 63-98.	2.7	37
17	On OR-based routing approaches for the Internet. International Transactions in Operational Research, 2011, 18, 295-305.	2.7	1
18	The small world of efficient solutions: empirical evidence from the bi-objective {0,1}-knapsack problem. 4or, 2010, 8, 195-211.	1.6	2

#	ARTICLE	IF	CITATIONS
19	On the bicriterion "minimal cost/minimal label" spanning tree problem. <i>European Journal of Operational Research</i> , 2010, 204, 199-205.	5.7	9
20	A mixed integer linear formulation for the minimum label spanning tree problem. <i>Computers and Operations Research</i> , 2009, 36, 3082-3085.	4.0	19
21	Hierarchical multiobjective routing in Multiprotocol Label Switching networks with two service classes: a heuristic solution. <i>International Transactions in Operational Research</i> , 2009, 16, 275-305.	2.7	5
22	Evaluation of a Multiobjective Alternative Routing Method in Carrier IP/MPLS Networks. <i>Lecture Notes in Computer Science</i> , 2009, , 195-206.	1.3	4
23	A Hierarchical Multiobjective Routing Model for MPLS Networks with Two Service Classes. <i>IFIP Advances in Information and Communication Technology</i> , 2009, , 196-219.	0.7	1
24	Stability analysis of efficient solutions in multiobjective integer programming: A case study in load management. <i>Computers and Operations Research</i> , 2008, 35, 186-197.	4.0	4
25	Capacitated single allocation hub location problem" A bi-criteria approach. <i>Computers and Operations Research</i> , 2008, 35, 3671-3695.	4.0	114
26	A memetic algorithm for multi-objective dynamic location problems. <i>Journal of Global Optimization</i> , 2008, 42, 221-253.	1.8	24
27	A meta-model for multiobjective routing in MPLS networks. <i>Central European Journal of Operations Research</i> , 2008, 16, 79-105.	1.8	19
28	A dynamic location problem with maximum decreasing capacities. <i>Central European Journal of Operations Research</i> , 2008, 16, 251-280.	1.8	7
29	Core problems in bi-criteria -knapsack problems. <i>Computers and Operations Research</i> , 2008, 35, 2292-2306.	4.0	22
30	Efficient primal-dual heuristic for a dynamic location problem. <i>Computers and Operations Research</i> , 2007, 34, 1800-1823.	4.0	55
31	Decision support for telecommunications and information society: Introduction. <i>European Journal of Operational Research</i> , 2007, 181, 1017-1018.	5.7	0
32	Integrating partial optimization with scatter search for solving bi-criteria {0,1}-knapsack problems. <i>European Journal of Operational Research</i> , 2007, 177, 1656-1677.	5.7	21
33	A review of interactive methods for multiobjective integer and mixed-integer programming. <i>European Journal of Operational Research</i> , 2007, 180, 99-115.	5.7	129
34	A Memetic Algorithm for Dynamic Location Problems. , 2007, , 225-244.		0
35	A scatter search method for bi-criteria {0,1}-knapsack problems. <i>European Journal of Operational Research</i> , 2006, 169, 373-391.	5.7	40
36	An Approach to Support Negotiation Processes with Imprecise Information Multicriteria Additive Models. <i>Group Decision and Negotiation</i> , 2006, 15, 171-184.	3.3	19

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37	A comprehensive survey on the quickest path problem. <i>Annals of Operations Research</i> , 2006, 147, 5-21.	4.1	31
38	A New Multiobjective Dynamic Routing Method for Multiservice Networks: Modelling and Performance. <i>Computational Management Science</i> , 2006, 3, 225-244.	1.3	8
39	An automated reference point-like approach for multicriteria shortest path problems. <i>Journal of Systems Science and Systems Engineering</i> , 2006, 15, 314-329.	1.6	15
40	Capacitated dynamic location problems with opening, closure and reopening of facilities. <i>IMA Journal of Management Mathematics</i> , 2006, 17, 317-348.	1.6	40
41	Dealing with imprecise information in group multicriteria decisions: a methodology and a GDSS architecture. <i>European Journal of Operational Research</i> , 2005, 160, 291-307.	5.7	85
42	On a bi-dimensional dynamic alternative routing method. <i>European Journal of Operational Research</i> , 2005, 166, 828-842.	5.7	4
43	An algorithm for ranking quickest simple paths. <i>Computers and Operations Research</i> , 2005, 32, 509-520.	4.0	59
44	Multicriteria Analysis in Telecommunication Network Planning and Design – Problems and Issues. , 2005, , 899-941.		18
45	A Scatter Search Method for the Bi-Criteria Multi-dimensional {0,1}-Knapsack Problem using Surrogate Relaxation. <i>Mathematical Modelling and Algorithms</i> , 2004, 3, 183-208.	0.5	23
46	A critical reflection on optimal decision. <i>European Journal of Operational Research</i> , 2004, 153, 506-516.	5.7	19
47	Resolving inconsistencies among constraints on the parameters of an MCDA model. <i>European Journal of Operational Research</i> , 2003, 147, 72-93.	5.7	154
48	Indifference sets of reference points in multi-objective integer linear programming. <i>Journal of Multi-Criteria Decision Analysis</i> , 2001, 10, 177-189.	1.9	6
49	An Interactive Method for 0-1 Multiobjective Problems Using Simulated Annealing and Tabu Search. , 2000, 6, 385-403.		33
50	On computing ELECTRE's credibility indices under partial information. , 1999, 8, 74-92.		46
51	A multiple objective linear programming model for power generation expansion planning. <i>International Journal of Energy Research</i> , 1995, 19, 419-432.	4.5	41
52	On the application of TRIMAP to problems with multiple decision makers. <i>Annals of Operations Research</i> , 1994, 51, 99-114.	4.1	1
53	Sensitivity analysis in MCDM using the weight space. <i>Operations Research Letters</i> , 1992, 12, 187-196.	0.7	25
54	An exact lexicographic approach for the maximally risk-disjoint/minimal cost path pair problem in telecommunication networks. <i>Top</i> , 0, , 1.	1.6	2