Martine LabbÃ©

List of Publications by Year
in descending order

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139 papers	4,111 citations	116194 36 h-index	162838 57 g-index
143 all docs	143 docs citations	143 times ranked	2398 citing authors

#	Article	IF	Citations
1	A bilevel optimization approach to decide the feasibility of bookings in the European gas market. Mathematical Methods of Operations Research, 2022, 95, 409-449.	0.4	5
2	Benders decomposition for network design covering problems. Computers and Operations Research, 2022, 137, 105417.	2.4	4
3	Mixed-integer formulations for the Capacitated Rank Pricing Problem with envy. Computers and Operations Research, 2022, 140, 105664.	2.4	2
4	Support Vector Machine with feature selection: A multiobjective approach. Expert Systems With Applications, 2022, 204, 117485.	4.4	14
5	Computational comparisons of different formulations for the Stackelberg minimum spanning tree game. International Transactions in Operational Research, 2021, 28, 48-69.	1.8	6
6	Finding the root graph through minimum edge deletion. European Journal of Operational Research, 2021, 289, 59-74.	3.5	1
7	Closing the gap in linear bilevel optimization: a new valid primal-dual inequality. Optimization Letters, 2021, 15, 1027-1040.	0.9	13
8	Models and algorithms for the product pricing with single-minded customers requesting bundles. Computers and Operations Research, 2021, 127, 105139.	2.4	5
9	Coordinating resources in Stackelberg Security Games. European Journal of Operational Research, 2021, 291, 846-861.	3.5	8
10	A Survey on Mixed-Integer Programming Techniques in Bilevel Optimization. EURO Journal on Computational Optimization, 2021, 9, 100007.	1.5	65
11	The rank pricing problem with ties. European Journal of Operational Research, 2021, 294, 492-506.	3.5	5
12	Deciding feasibility of a booking in the European gas market on a cycle is in P for the case of passive networks. Networks, 2021, 78, 128-152.	1.6	7
13	Bookings in the European gas market: characterisation of feasibility and computational complexity results. Optimization and Engineering, 2020, 21, 305-334.	1.3	18
14	A Branch-Price-and-Cut Procedure for the Discrete Ordered Median Problem. INFORMS Journal on Computing, 2020, 32, 582-599.	1.0	13
15	Technical Noteâ€"Thereâ€™s No Free Lunch: On the Hardness of Choosing a Correct Big-M in Bilevel Optimization. Operations Research, 2020, 68, 1716-1721.	1.2	57
16	Special issue on bilevel optimization. EURO Journal on Computational Optimization, 2020, 8, 1-2.	1.5	0
17	The Geodesic Classification Problem on Graphs. Electronic Notes in Theoretical Computer Science, 2019, 346, 65-76.	0.9	3
18	Strengthened Formulations and Valid Inequalities for Single Delay Management in Public Transportation. Transportation Science, 2019, 53, 1271-1286.	2.6	2

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19	A study of general and security Stackelberg game formulations. European Journal of Operational Research, 2019, 278, 855-868.	3.5	25
20	A branch-and-cut algorithm for the maximum <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e8977" altimg="si58.gif"><mml:mi>k</mml:mi></mml:math>-balanced subgraph of a signed graph. Discrete Applied Mathematics, 2019, 261, 164-185.	0.5	1
21	New models for the location of controversial facilities: A bilevel programming approach. Computers and Operations Research, 2019, 107, 95-106.	2.4	12
22	Mixed integer linear programming for feature selection in support vector machine. Discrete Applied Mathematics, 2019, 261, 276-304.	0.5	24
23	The rank pricing problem: Models and branch-and-cut algorithms. Computers and Operations Research, 2019, 105, 12-31.	2.4	9
24	p-Center Problems. , 2019, , 51-65.		6
25	Discussion of Fairness and Implementability in Stackelberg Security Games. Lecture Notes in Computer Science, 2019, , 97-117.	1.0	0
26	Lagrangian relaxation for SVM feature selection. Computers and Operations Research, 2017, 87, 137-145.	2.4	43
27	A branch and price algorithm for a Stackelberg Security Game. Computers and Industrial Engineering, 2017, 111, 216-227.	3.4	5
28	Lexicographical Order in Integer Programming. Vietnam Journal of Mathematics, 2017, 45, 459-476.	0.4	0
29	Network pricing problem with unit toll. Networks, 2017, 69, 83-93.	1.6	6
30	A comparative study of formulations and solution methods for the discrete ordered p-median problem. Computers and Operations Research, 2017, 78, 230-242.	2.4	14
31	Bilevel programming and price setting problems. Annals of Operations Research, 2016, 240, 141-169.	2.6	33
32	Comments on: Static and dynamic source locations in undirected networks. Top, 2015, 23, 652-654.	1.1	0
33	p-Center Problems. , 2015, , 79-92.		20
34	Improved integer linear programming formulations for the job Sequencing and tool Switching Problem. European Journal of Operational Research, 2015, 244, 766-777.	3.5	30
35	A branch-cut-and-price algorithm for the piecewise linear transportation problem. European Journal of Operational Research, 2015, 245, 645-655.	3.5	3
36	Feature selection for Support Vector Machines via Mixed Integer Linear Programming. Information Sciences, 2014, 279, 163-175.	4.0	68

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37	A Polyhedral Study for Delay Management in Public Transportation. Procedia, Social and Behavioral Sciences, 2014, 108, 15-25.	0.5	2
38	Dantzig-Wolfe Reformulation for the Network Pricing Problem with Connected Toll Arcs. Electronic Notes in Discrete Mathematics, 2013, 41, 117-124.	0.4	2
39	A Network Pricing Formulation for the revenue maximization of European Air Navigation Service Providers. Transportation Research Part C: Emerging Technologies, 2013, 33, 214-226.	3.9	21
40	The balanced minimum evolution problem under uncertain data. Discrete Applied Mathematics, 2013, 161, 1789-1804.	0.5	2
41	A branchâ€andâ€cut algorithm for the ring spur assignment problem. Networks, 2013, 61, 89-103.	1.6	10
42	An Integer Programming Formulation of the Parsimonious Loss of Heterozygosity Problem. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 1391-1402.	1.9	3
43	Stochastic binary problems with simple penalties for capacity constraints violations. Mathematical Programming, 2013, 138, 199-221.	1.6	13
44	Bilevel programming and price setting problems. 4or, 2013, 11, 1-30.	1.0	55
45	The Balanced Minimum Evolution Problem. INFORMS Journal on Computing, 2012, 24, 276-294.	1.0	20
46	A Mixed Integer Programming Model for the Parsimonious Loss of Heterozygosity Problem. Lecture Notes in Computer Science, 2012, , 24-35.	1.0	0
47	Scheduling two chains of unit jobs on one machine: A polyhedral study. Networks, 2011, 58, 103-113.	1.6	4
48	Generalized network design polyhedra. Networks, 2011, 58, 125-136.	1.6	1
49	A branch-and-cut algorithm for the partitioning-hub location-routing problem. Computers and Operations Research, 2011, 38, 539-549.	2.4	47
50	An exact approach to the problem of extracting an embedded network matrix. Computers and Operations Research, 2011, 38, 1483-1492.	2.4	9
51	Reduction approaches for robust shortest path problems. Computers and Operations Research, 2011, 38, 1610-1619.	2.4	25
52	Valid inequalities and branch-and-cut for the clique pricing problem. Discrete Optimization, 2011, 8, 393-410.	0.6	9
53	Solving Large p-Median Problems with a Radius Formulation. INFORMS Journal on Computing, 2011, 23, 546-556.	1.0	125
54	Improved Formulations for the Ring Spur Assignment Problem. Lecture Notes in Computer Science, 2011, , 24-36.	1.0	3

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55	A Class Representative Model for Pure Parsimony Haplotyping under Uncertain Data. PLoS ONE, 2011, 6, e17937.	1.1	1
56	A parallel between two classes of pricing problems in transportation and marketing. Journal of Revenue and Pricing Management, 2010, 9, 110-125.	0.7	18
57	A polyhedral study of the network pricing problem with connected toll arcs. Networks, 2010, 55, 234-246.	1.6	27
58	A Class Representative Model for Pure Parsimony Haplotyping. INFORMS Journal on Computing, 2010, 22, 195-209.	1.0	16
59	Computer-aided human leukocyte antigen association studies: A case study for psoriasis and severe alopecia areata. Human Immunology, 2010, 71, 783-788.	1.2	7
60	PRICING GEOMETRIC TRANSPORTATION NETWORKS. International Journal of Computational Geometry and Applications, 2009, 19, 507-520.	0.3	4
61	Mathematical models to reconstruct phylogenetic trees under the minimum evolution criterion. Networks, 2009, 53, 126-140.	1.6	11
62	The pure parsimony haplotyping problem: overview and computational advances. International Transactions in Operational Research, 2009, 16, 561-584.	1.8	18
63	Set covering and packing formulations of graph coloring: Algorithms and first polyhedral results. Discrete Optimization, 2009, 6, 135-147.	0.6	34
64	Generating Facets for the Independence System Polytope. SIAM Journal on Discrete Mathematics, 2009, 23, 1484-1506.	0.4	4
65	Solving the hub location problem in a starâ€“star network. Networks, 2008, 51, 19-33.	1.6	58
66	Linear inequalities among graph invariants: Using GraPHedron to uncover optimal relationships. Networks, 2008, 52, 287-298.	1.6	8
67	New formulations and valid inequalities for a bilevel pricing problem. Operations Research Letters, 2008, 36, 141-149.	0.5	44
68	Optimization models for the single delay management problem in public transportation. European Journal of Operational Research, 2008, 189, 762-774.	3.5	48
69	Solving haplotyping inference parsimony problem using a new basic polynomial formulation. Computers and Mathematics With Applications, 2008, 55, 900-911.	1.4	14
70	Joint Design and Pricing on a Network. Operations Research, 2008, 56, 1104-1115.	1.2	57
71	The two-edge connected hop-constrained network design problem: Valid inequalities and branch-and-cut. Networks, 2007, 49, 116-133.	1.6	34
72	A strengthened formulation for the simple plant location problem with order. Operations Research Letters, 2007, 35, 141-150.	0.5	61

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73	A branch-and-cut method for the obnoxious p-median problem. 4or, 2007, 5, 299-314.	1.0	27
74	Polyhedral Approaches to the Design of Survivable Networks. , 2006, , 367-389.		6
75	Polyhedral Analysis for Concentrator Location Problems. Computational Optimization and Applications, 2006, 34, 377-407.	0.9	8
76	Locating median cycles in networks. European Journal of Operational Research, 2005, 160, 457-470.	3.5	73
77	A branch and cut algorithm for hub location problems with single assignment. Mathematical Programming, 2005, 102, 371-405.	1.6	114
78	A branch-and-cut algorithm for the plant-cycle location problem. Journal of the Operational Research Society, 2004, 55, 513-520.	2.1	34
79	Two-Connected Networks with Rings of Bounded Cardinality. Computational Optimization and Applications, 2004, 27, 123-148.	0.9	18
80	The generalized minimum spanning tree problem: Polyhedral analysis and branch-and-cut algorithm. Networks, 2004, 43, 71-86.	1.6	25
81	The Ring Star Problem: Polyhedral analysis and exact algorithm. Networks, 2004, 43, 177-189.	1.6	137
82	Projecting the flow variables for hub location problems. Networks, 2004, 44, 84-93.	1.6	50
83	Adapting polyhedral properties from facility to hub location problems. Discrete Applied Mathematics, 2004, 145, 104-116.	0.5	118
84	A New Formulation and Resolution Method for the p-Center Problem. INFORMS Journal on Computing, 2004, 16, 84-94.	1.0	123
85	Solving thep-Center problem with Tabu Search and Variable Neighborhood Search. Networks, 2003, 42, 48-64.	1.6	120
86	Identification of all steady states in large networks by logical analysis. Bulletin of Mathematical Biology, 2003, 65, 1025-1051.	0.9	79
87	Generalized network design problems. European Journal of Operational Research, 2003, 148, 1-13.	3.5	81
88	Upper bounds and algorithms for the maximum cardinality bin packing problem. European Journal of Operational Research, 2003, 149, 490-498.	3.5	34
89	A comparative analysis of several formulations for the generalized minimum spanning tree problem. Networks, 2002, 39, 29-34.	1.6	38
90	Polyhedral results for two-connected networks with bounded rings. Mathematical Programming, 2002, 93, 27-54.	1.6	23

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91	Multicriteria Semi-Obnoxious Network Location Problems (MSNLP) with Sum and Center Objectives. Annals of Operations Research, 2002, 110, 33-53.	2.6	21
92	A Dynamic User Equilibrium Model for Traffic Assignment in Urban Areas. Applied Optimization, 2002, , 49-69.	0.4	1
93	Telecommunication and Location. , 2002, , 275-305.		32
94	A Bilevel Model for Toll Optimization on a Multicommodity Transportation Network. Transportation Science, 2001, 35, 345-358.	2.6	158
95	On generalized minimum spanning trees. European Journal of Operational Research, 2001, 134, 457-458.	3.5	25
96	Fishman's sampling plan for computing network reliability. IEEE Transactions on Reliability, 2001, 50, 41-46.	3.5	47
97	Solving the Two-Connected Network with Bounded Meshes Problem. Operations Research, 2000, 48, 866-877.	1.2	43
98	The Uncapacitated Facility Location Problem with Client Matching. Operations Research, 2000, 48, 671-685.	1.2	35
99	A Bilevel Model and Solution Algorithm for a Freight Tariff-Setting Problem. Transportation Science, 2000, 34, 289-302.	2.6	71
100	On a class of bilevel programs. Applied Optimization, 2000, , 183-206.	0.4	16
101	Design and Dimensioning of Survivable SDH/Sonet Networks. , 1999, , 147-167.		15
102	Exact solution of the SONET Ring Loading Problem. Operations Research Letters, 1999, 25, 119-129.	0.5	34
103	Multicriteria network location problems with sum objectives. Networks, 1999, 33, 79-92.	1.6	33
104	Locations on time-varying networks. Networks, 1999, 34, 250-257.	1.6	12
105	Finding Disjoint Routes in Telecommunications Networks with Two Technologies. Operations Research, 1999, 47, 81-92.	1.2	11
106	Covering a graph with cycles. Computers and Operations Research, 1998, 25, 499-504.	2.4	9
107	A Bilevel Model of Taxation and Its Application to Optimal Highway Pricing. Management Science, 1998, 44, 1608-1622.	2.4	264
108	Path, Tree and Cycle Location. , 1998, , 187-204.		20

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109	TSS Dissertation Abstractsâ€"Abstracts for the 1997 Transportation Science Section Dissertation Prize Competition. Transportation Science, 1998, 32, 74-83.	2.6	0
110	Methods for designing reliable networks with bounded meshes. Teletraffic Science and Engineering, 1997, , 341-350.	0.4	3
111	On the Two-Level Uncapacitated Facility Location Problem. INFORMS Journal on Computing, 1996, 8, 289-301.	1.0	65
112	An exact algorithm for the dual bin packing problem. Operations Research Letters, 1995, 17, 9-18.	0.5	35
113	Efficient heuristics for the design of ring networks. Telecommunication Systems, 1995, 4, 177-188.	1.6	23
114	Chapter 7 Location on networks. Handbooks in Operations Research and Management Science, 1995, , 551-624.	0.6	40
115	Approximation algorithms for the capacitated plant allocation problem. Operations Research Letters, 1994, 15, 115-126.	0.5	6
116	The multi-level uncapacitated facility location problem is not submodular. European Journal of Operational Research, 1994, 72, 607-609.	3.5	12
117	Improved Algorithms for Machine Allocation in Manufacturing Systems. Operations Research, 1994, 42, 523-530.	1.2	18
118	On locating path- or tree-shaped facilities on networks. Networks, 1993, 23, 543-555.	1.6	68
119	The multi-level uncapacitated facility location problem is not submodular. European Journal of Operational Research, 1993, 71, 130-132.	3.5	7
120	A note on a stochastic location problem. Operations Research Letters, 1993, 13, 213-214.	0.5	1
121	Two-dimensional rectangle packing: on-line methods and results. Discrete Applied Mathematics, 1993, 45, 197-204.	0.5	19
122	The Voronoi Partition of a Network and Its Implications in Location Theory. ORSA Journal on Computing, 1992, 4, 412-417.	1.7	46
123	From the median to the generalized center. RAIRO - Operations Research, 1991, 25, 73-86.	1.0	21
124	Sensitivity Analysis in Minisum Facility Location Problems. Operations Research, 1991, 39, 961-969.	1.2	40
125	The continuous center set of a network. Discrete Applied Mathematics, 1991, 30, 181-195.	0.5	10
126	Capacitated Vehicle Routing on Trees. Operations Research, 1991, 39, 616-622.	1.2	95

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127	Market and Locational Equilibrium for Two Competitors. Operations Research, 1991, 39, 749-756.	1.2	70
128	Bibliographic Section. Transportation Science, 1990, 24, 79-86.	2.6	0
129	Commuters' Paths with Penalties for Early or Late Arrival Time. Transportation Science, 1990, 24, 276-286.	2.6	26
130	Location of an obnoxious facility on a network: A voting approach. Networks, 1990, 20, 197-207.	1.6	9
131	A tree-network has the fixed point property. Networks, 1989, 19, 255-259.	1.6	0
132	The continuousp-median of a network. Networks, 1989, 19, 595-606.	1.6	6
133	Sensitivity analysis in multiple objective linear programming: The tolerance approach. European Journal of Operational Research, 1989, 38, 63-69.	3.5	39
134	On the welfare effects of anti-discrimination regulations in the EC car market. International Journal of Industrial Organization, 1989, 7, 205-230.	0.6	12
135	Competitive Location with Random Utilities. Transportation Science, 1989, 23, 244-252.	2.6	35
136	Algorithms for Voting and Competitive Location on a Network. Transportation Science, 1988, 22, 278-288.	2.6	39
137	Single Facility Location on Networks. North-Holland Mathematics Studies, 1987, 132, 113-145.	0.2	13
138	How bad can a voting location be. Social Choice and Welfare, 1986, 3, 125-145.	0.4	14
139	Outcomes of voting and planning in single facility location problems. European Journal of Operational Research, 1985, 20, 299-313.	3.5	34