

Gilles Savard

List of Publications by Year in descending order

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58
papers

4,355
citations

230014

27
h-index

169272

56
g-index

58
all docs

58
docs citations

58
times ranked

3083
citing authors

#	ARTICLE	IF	CITATIONS
1	Revenue optimization in energy networks involving self-scheduled demand and a smart grid. Computers and Operations Research, 2021, 134, 105366.	2.4	4
2	Deep reinforcement learning in seat inventory control problem: an action generation approach. Journal of Revenue and Pricing Management, 2021, 20, 566-579.	0.7	1
3	Product-closing approximation for ranking-based choice network revenue management. European Journal of Operational Research, 2020, 286, 1002-1017.	3.5	1
4	Fluid arrivals simulation for choice network revenue management. Journal of Revenue and Pricing Management, 2019, 18, 164-180.	0.7	0
5	Pricing and revenue maximization over a multicommodity transportation network: the nonlinear demand case. Computational Optimization and Applications, 2018, 71, 641-671.	0.9	4
6	Network Pricing of Congestion-Free Networks: The Elastic and Linear Demand Case. Transportation Science, 2017, 51, 791-806.	2.6	18
7	Computing booking limits under a non-parametric demand model: A mathematical programming approach. Journal of Revenue and Pricing Management, 2016, 15, 170-184.	0.7	1
8	Achieving an optimal trade-off between revenue and energy peak within a smart grid environment. Renewable Energy, 2016, 91, 293-301.	4.3	24
9	A new bid price approach to dynamic resource allocation in network revenue management. European Journal of Operational Research, 2016, 255, 142-150.	3.5	14
10	A Numerical Study of the Logit Network Pricing Problem. Transportation Science, 2015, 49, 706-719.	2.6	19
11	Network capacity control under a nonparametric demand choice model. Operations Research Letters, 2015, 43, 461-466.	0.5	7
12	Optimal design of bilateral contracts for energy procurement. European Journal of Operational Research, 2015, 246, 641-650.	3.5	13
13	The impact of customer behavior models on revenue management systems. Computational Management Science, 2015, 12, 99-109.	0.8	7
14	A taxonomy of demand uncensoring methods in revenue management. Journal of Revenue and Pricing Management, 2014, 13, 440-456.	0.7	11
15	Logit network pricing. Computers and Operations Research, 2014, 41, 291-298.	2.4	7
16	Mixed-logit network pricing. Computational Optimization and Applications, 2014, 57, 105-127.	0.9	9
17	A hybrid approach to the solution of a pricing model with continuous demand segmentation. EURO Journal on Computational Optimization, 2013, 1, 117-142.	1.5	4
18	Two-stage stochastic bilevel programming over a transportation network. Transportation Research Part B: Methodological, 2013, 58, 92-105.	2.8	32

#	ARTICLE	IF	CITATIONS
19	A System Architecture for Autonomous Demand Side Load Management in Smart Buildings. IEEE Transactions on Smart Grid, 2012, 3, 2157-2165.	6.2	218
20	Integrated operations planning and revenue management for rail freight transportation. Transportation Research Part B: Methodological, 2012, 46, 100-119.	2.8	68
21	A Tabu search algorithm for the network pricing problem. Computers and Operations Research, 2012, 39, 2603-2611.	2.4	13
22	An exact algorithm for the network pricing problem. Discrete Optimization, 2011, 8, 246-258.	0.6	23
23	Valid inequalities and branch-and-cut for the clique pricing problem. Discrete Optimization, 2011, 8, 393-410.	0.6	9
24	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
25	A polyhedral study of the network pricing problem with connected toll arcs. Networks, 2010, 55, 234-246.	1.6	27
26	A mesh adaptive direct search algorithm for multiobjective optimization. European Journal of Operational Research, 2010, 204, 545-556.	3.5	58
27	Toll Policies for Mitigating Hazardous Materials Transport Risk. Transportation Science, 2009, 43, 228-243.	2.6	81
28	Mathematical structure of a bilevel strategic pricing model. European Journal of Operational Research, 2009, 193, 552-566.	3.5	13
29	New formulations and valid inequalities for a bilevel pricing problem. Operations Research Letters, 2008, 36, 141-149.	0.5	44
30	The time-dependent traveling salesman problem and single machine scheduling problems with sequence dependent setup times. Discrete Optimization, 2008, 5, 685-699.	0.6	84
31	Multiobjective Optimization Through a Series of Single-Objective Formulations. SIAM Journal on Optimization, 2008, 19, 188-210.	1.2	107
32	Time-Indexed Formulations and the Total Weighted Tardiness Problem. INFORMS Journal on Computing, 2008, 20, 133-142.	1.0	35
33	Joint Design and Pricing on a Network. Operations Research, 2008, 56, 1104-1115.	1.2	57
34	Bilevel Programming: The Montreal School. Infor, 2008, 46, 231-246.	0.5	10
35	New Branch-and-Cut Algorithm for Bilevel Linear Programming. Journal of Optimization Theory and Applications, 2007, 134, 353-370.	0.8	57
36	An overview of bilevel optimization. Annals of Operations Research, 2007, 153, 235-256.	2.6	1,014

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37	Disjunctive cuts for continuous linear bilevel programming. Optimization Letters, 2007, 1, 259-267.	0.9	39
38	Concurrent optimization of customer requirements and the design of a new product. International Journal of Production Research, 2006, 44, 4401-4416.	4.9	14
39	A note on the definition of a linear bilevel programming solution. Applied Mathematics and Computation, 2006, 181, 351-355.	1.4	21
40	A smoothing heuristic for a bilevel pricing problem. European Journal of Operational Research, 2006, 174, 1396-1413.	3.5	24
41	Path-based formulations of a bilevel toll setting problem. , 2006, , 29-50.		21
42	An approximation algorithm for Stackelberg network pricing. Networks, 2005, 46, 57-67.	1.6	77
43	Bilevel programming: A survey. 4or, 2005, 3, 87-107.	1.0	338
44	A Trust-Region Method for Nonlinear Bilevel Programming: Algorithm and Computational Experience. Computational Optimization and Applications, 2005, 30, 211-227.	0.9	130
45	A bilevel programming approach to the travelling salesman problem. Operations Research Letters, 2004, 32, 240-248.	0.5	28
46	A Multi-Commodity Network Design Approach For Automated Guided Vehicle Systems. Infor, 2004, 42, 113-123.	0.5	1
47	A bilevel modelling approach to pricing and fare optimisation in the airline industry. Journal of Revenue and Pricing Management, 2003, 2, 23-36.	0.7	97
48	A Bilevel Model for Toll Optimization on a Multicommodity Transportation Network. Transportation Science, 2001, 35, 345-358.	2.6	158
49	Enumeration of All Extreme Equilibria of Bimatrix Games. SIAM Journal of Scientific Computing, 2001, 23, 323-338.	1.3	23
50	Concavity cuts for disjoint bilinear programming. Mathematical Programming, 2001, 90, 373-398.	1.6	30
51	Pure competition, regulated and Stackelberg equilibria: Application to the energy system of Québec. European Journal of Operational Research, 2000, 125, 1-17.	3.5	12
52	A branch and cut algorithm for nonconvex quadratically constrained quadratic programming. Mathematical Programming, 2000, 87, 131-152.	1.6	145
53	A Bilevel Model and Solution Algorithm for a Freight Tariff-Setting Problem. Transportation Science, 2000, 34, 289-302.	2.6	71
54	A symmetrical linear maxmin approach to disjoint bilinear programming. Mathematical Programming, 1999, 85, 573-592.	1.6	44

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55	A Bilevel Model of Taxation and Its Application to Optimal Highway Pricing. Management Science, 1998, 44, 1608-1622.	2.4	264
56	The steepest descent direction for the nonlinear bilevel programming problem. Operations Research Letters, 1994, 15, 265-272.	0.5	158
57	New Branch-and-Bound Rules for Linear Bilevel Programming. SIAM Journal on Scientific and Statistical Computing, 1992, 13, 1194-1217.	1.5	512
58	A note on the Pareto optimality of solutions to the linear bilevel programming problem. Computers and Operations Research, 1991, 18, 355-359.	2.4	36