

Juan Jos Salazar-Gonzalez

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116
papers

3,044
citations

31
h-index

52
g-index

119
ext. papers

3,461
ext. citations

3
avg, IF

5.67
L-index

#	Paper	IF	Citations
116	A Branch-and-Cut Algorithm for the Symmetric Generalized Traveling Salesman Problem. <i>Operations Research</i> , 1997 , 45, 378-394	2.3	301
115	An Exact Approach for the Vehicle Routing Problem with Two-Dimensional Loading Constraints. <i>Transportation Science</i> , 2007 , 41, 253-264	4.4	196
114	Solving the Orienteering Problem through Branch-and-Cut. <i>INFORMS Journal on Computing</i> , 1998 , 10, 133-148	2.4	194
113	A branch-and-cut algorithm for a traveling salesman problem with pickup and delivery. <i>Discrete Applied Mathematics</i> , 2004 , 145, 126-139	1	122
112	The Ring Star Problem: Polyhedral analysis and exact algorithm. <i>Networks</i> , 2004 , 43, 177-189	1.6	120
111	Heuristics for the One-Commodity Pickup-and-Delivery Traveling Salesman Problem. <i>Transportation Science</i> , 2004 , 38, 245-255	4.4	97
110	The Capacitated m-Ring-Star Problem. <i>Operations Research</i> , 2007 , 55, 1147-1162	2.3	93
109	The symmetric generalized traveling salesman polytope. <i>Networks</i> , 1995 , 26, 113-123	1.6	77
108	Projection results for vehicle routing. <i>Mathematical Programming</i> , 2006 , 105, 251-274	2.1	75
107	Statistical Confidentiality 2011 ,		69
106	Solving school bus routing using the multiple vehicle traveling purchaser problem: A branch-and-cut approach. <i>Computers and Operations Research</i> , 2012 , 39, 391-404	4.6	66
105	Locating median cycles in networks. <i>European Journal of Operational Research</i> , 2005 , 160, 457-470	5.6	62
104	A branch-and-cut algorithm for the hub location and routing problem. <i>Computers and Operations Research</i> , 2014 , 50, 161-174	4.6	59
103	A column generation approach for a school bus routing problem with resource constraints. <i>Computers and Operations Research</i> , 2013 , 40, 566-583	4.6	58
102	A hybrid GRASP/VND heuristic for the one-commodity pickup-and-delivery traveling salesman problem. <i>Computers and Operations Research</i> , 2009 , 36, 1639-1645	4.6	57
101	A branch-and-cut algorithm for the pickup and delivery traveling salesman problem with LIFO loading. <i>Networks</i> , 2010 , 55, 46-59	1.6	55
100	A Branch-and-Cut Algorithm for the Undirected Traveling Purchaser Problem. <i>Operations Research</i> , 2003 , 51, 940-951	2.3	55

99	Solving a capacitated hub location problem. <i>European Journal of Operational Research</i> , 2008 , 184, 468-479	4.6	54
98	A local branching heuristic for the capacitated fixed-charge network design problem. <i>Computers and Operations Research</i> , 2010 , 37, 575-581	4.6	51
97	The one-commodity pickup-and-delivery traveling salesman problem: Inequalities and algorithms. <i>Networks</i> , 2007 , 50, 258-272	1.6	50
96	Hybridization of very large neighborhood search for ready-mixed concrete delivery problems. <i>Computers and Operations Research</i> , 2010 , 37, 559-574	4.6	48
95	Exact algorithms for the job sequencing and tool switching problem. <i>IIE Transactions</i> , 2004 , 36, 37-45		47
94	Approaches to solve the fleet-assignment, aircraft-routing, crew-pairing and crew-rostering problems of a regional carrier. <i>Omega</i> , 2014 , 43, 71-82	7.2	43
93	The multi-commodity one-to-one pickup-and-delivery traveling salesman problem. <i>European Journal of Operational Research</i> , 2009 , 196, 987-995	5.6	42
92	The biobjective travelling purchaser problem. <i>European Journal of Operational Research</i> , 2005 , 160, 599-613	6.13	37
91	A heuristic approach for the Travelling Purchaser Problem. <i>European Journal of Operational Research</i> , 2005 , 162, 142-152	5.6	37
90	Solving the Cell Suppression Problem on Tabular Data with Linear Constraints. <i>Management Science</i> , 2001 , 47, 1008-1027	3.9	37
89	Single liner shipping service design. <i>Computers and Operations Research</i> , 2014 , 45, 1-6	4.6	35
88	Models and algorithms for the 2-dimensional cell suppression problem in statistical disclosure control. <i>Mathematical Programming</i> , 1999 , 84, 283-312	2.1	34
87	The split-demand one-commodity pickup-and-delivery travelling salesman problem. <i>Transportation Research Part B: Methodological</i> , 2015 , 75, 58-73	7.2	32
86	A branch-and-cut algorithm for the plant-cycle location problem. <i>Journal of the Operational Research Society</i> , 2004 , 55, 513-520	2	31
85	The periodic vehicle routing problem with driver consistency. <i>European Journal of Operational Research</i> , 2019 , 273, 575-584	5.6	26
84	Solving the asymmetric traveling purchaser problem. <i>Annals of Operations Research</i> , 2006 , 144, 83-97	3.2	26
83	Optimal Solutions to a Real-World Integrated Airline Scheduling Problem. <i>Transportation Science</i> , 2017 , 51, 250-268	4.4	25
82	Stronger multi-commodity flow formulations of the Capacitated Vehicle Routing Problem. <i>European Journal of Operational Research</i> , 2015 , 244, 730-738	5.6	22

81	The Steiner cycle polytope. <i>European Journal of Operational Research</i> , 2003 , 147, 671-679	5.6	19
80	Laying Out Sparse Graphs with Provably Minimum Bandwidth. <i>INFORMS Journal on Computing</i> , 2005 , 17, 356-373	2.4	19
79	A hybrid heuristic approach for the multi-commodity pickup-and-delivery traveling salesman problem. <i>European Journal of Operational Research</i> , 2016 , 251, 44-52	5.6	18
78	The Capacitated Vehicle Routing Problem: Stronger bounds in pseudo-polynomial time. <i>European Journal of Operational Research</i> , 2019 , 272, 24-31	5.6	18
77	The multi-commodity pickup-and-delivery traveling salesman problem. <i>Networks</i> , 2014 , 63, 46-59	1.6	18
76	Decorous Lower Bounds for Minimum Linear Arrangement. <i>INFORMS Journal on Computing</i> , 2011 , 23, 26-40	2.4	18
75	Exact approaches to the single-source network loading problem. <i>Networks</i> , 2012 , 59, 89-106	1.6	17
74	Chapter 7: Pickup-and-Delivery Problems for People Transportation 2014 , 193-212		16
73	The Generalized Traveling Salesman and Orienteering Problems. <i>Combinatorial Optimization</i> , 2007 , 609-662		16
72	Statistical confidentiality: Optimization techniques to protect tables. <i>Computers and Operations Research</i> , 2008 , 35, 1638-1651	4.6	15
71	The One-Commodity Pickup-and-Delivery Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , 2003 , 89-104	0.9	15
70	A Unified Mathematical Programming Framework for Different Statistical Disclosure Limitation Methods. <i>Operations Research</i> , 2005 , 53, 819-829	2.3	15
69	Models and Algorithms for Optimizing Cell Suppression in Tabular Data with Linear Constraints. <i>Journal of the American Statistical Association</i> , 2000 , 95, 916-928	2.8	15
68	A branch-and-cut algorithm for a generalization of the Uncapacitated Facility Location Problem. <i>Top</i> , 1996 , 4, 135-163	1.3	15
67	Heuristic approaches for flight retiming in an integrated airline scheduling problem of a regional carrier. <i>Omega</i> , 2020 , 91, 102028	7.2	15
66	Measuring cost efficiency in the presence of quasi-fixed inputs using dynamic Data Envelopment Analysis: The case of port infrastructure. <i>Maritime Economics and Logistics</i> , 2014 , 16, 111-126	2.6	14
65	The Balanced Minimum Evolution Problem. <i>INFORMS Journal on Computing</i> , 2012 , 24, 276-294	2.4	14
64	Partial cell suppression: A new methodology for statistical disclosure control. <i>Statistics and Computing</i> , 2003 , 13, 13-21	1.8	14

63	Separating lifted odd-hole inequalities to solve the index selection problem. <i>Discrete Applied Mathematics</i> , 1999 , 92, 111-134	1	14
62	Some thoughts on combinatorial optimisation. <i>European Journal of Operational Research</i> , 1995 , 83, 253-270	5.6	14
61	Stronger multi-commodity flow formulations of the (capacitated) sequential ordering problem. <i>European Journal of Operational Research</i> , 2016 , 251, 74-84	5.6	14
60	Heuristic algorithm for the Split-Demand One-Commodity Pickup-and-Delivery Travelling Salesman Problem. <i>Computers and Operations Research</i> , 2018 , 97, 1-17	4.6	13
59	A branch-and-cut algorithm for two-level survivable network design problems. <i>Computers and Operations Research</i> , 2016 , 67, 102-112	4.6	13
58	Models and Algorithms for Optimizing Cell Suppression in Tabular Data with Linear Constraints		13
57	Exact Approach for the Vehicle Routing Problem with Stochastic Demands and Preventive Returns. <i>Transportation Science</i> , 2018 , 52, 1463-1478	4.4	13
56	An algorithmic framework for the exact solution of tree-star problems. <i>European Journal of Operational Research</i> , 2017 , 261, 54-66	5.6	12
55	A hybrid heuristic approach for the multi-commodity one-to-one pickup-and-delivery traveling salesman problem. <i>Journal of Heuristics</i> , 2012 , 18, 849-867	1.9	12
54	A note on the generalized steiner tree polytope. <i>Discrete Applied Mathematics</i> , 2000 , 100, 137-144	1	12
53	An algorithm for checking whether the toric ideal of an affine monomial curve is a complete intersection. <i>Journal of Symbolic Computation</i> , 2007 , 42, 971-991	0.8	11
52	Controlled rounding and cell perturbation: statistical disclosure limitation methods for tabular data. <i>Mathematical Programming</i> , 2006 , 105, 583-603	2.1	10
51	Reverse multistar inequalities and vehicle routing problems with a lower bound on the number of customers per route. <i>Networks</i> , 2013 , 61, 309-321	1.6	9
50	Mathematical models to reconstruct phylogenetic trees under the minimum evolution criterion. <i>Networks</i> , 2009 , 53, 126-140	1.6	9
49	A heuristic approach for an integrated fleet-assignment, aircraft-routing and crew-pairing problem. <i>Electronic Notes in Discrete Mathematics</i> , 2013 , 41, 391-398	0.3	8
48	The traveling purchaser problem, with multiple stacks and deliveries: A branch-and-cut approach. <i>Computers and Operations Research</i> , 2013 , 40, 2103-2115	4.6	8
47	On the one-commodity pickup-and-delivery traveling salesman problem with stochastic demands. <i>Mathematical Programming</i> , 2009 , 119, 169-194	2.1	8
46	Mathematical models for applying cell suppression methodology in statistical data protection. <i>European Journal of Operational Research</i> , 2004 , 154, 740-754	5.6	8

45	The Pickup and Delivery Problem with Split Loads and Transshipments: A Branch-and-Cut Solution Approach. <i>European Journal of Operational Research</i> , 2021 , 289, 470-484	5.6	8
44	Solving the Team Orienteering Arc Routing Problem with a column generation approach. <i>European Journal of Operational Research</i> , 2017 , 262, 14-27	5.6	7
43	The ring/Rings network design problem: Model and branch-and-cut algorithm. <i>Networks</i> , 2016 , 68, 130-140	4.0	7
42	Enhanced controlled tabular adjustment. <i>Computers and Operations Research</i> , 2014 , 43, 61-67	4.6	6
41	The probabilistic pickup-and-delivery travelling salesman problem. <i>Expert Systems With Applications</i> , 2019 , 121, 313-323	7.8	6
40	A Branch-and-Price Algorithm for the Vehicle Routing Problem with Stochastic Demands and Probabilistic Duration Constraints. <i>Transportation Science</i> , 2021 , 55, 122-138	4.4	6
39	The driver and vehicle routing problem. <i>Computers and Operations Research</i> , 2018 , 92, 56-64	4.6	6
38	The connected facility location polytope. <i>Discrete Applied Mathematics</i> , 2018 , 234, 151-167	1	5
37	Balanced vehicle routing: Polyhedral analysis and branch-and-cut algorithm. <i>European Journal of Operational Research</i> , 2019 , 273, 452-463	5.6	5
36	Solving the Single Vehicle Routing Problem with Variable Capacity. <i>Transportation Science</i> , 2016 , 50, 708-719	4.4	4
35	A MIP-based approach to solve the prize-collecting local access network design problem. <i>European Journal of Operational Research</i> , 2014 , 235, 727-739	5.6	4
34	The Multi-Commodity One-to-One Pickup-and-Delivery Traveling Salesman Problem: A Matheuristic. <i>Lecture Notes in Computer Science</i> , 2011 , 401-405	0.9	4
33	A branch-and-cut algorithm for the continuous error localization problem in data cleaning. <i>Computers and Operations Research</i> , 2007 , 34, 2790-2804	4.6	4
32	An Iterated Local Search Heuristic for a Capacitated Hub Location Problem. <i>Lecture Notes in Computer Science</i> , 2006 , 70-81	0.9	4
31	Getting the Best Results in Controlled Rounding with the Least Effort. <i>Lecture Notes in Computer Science</i> , 2004 , 58-72	0.9	4
30	Optimisation of the interconnecting network of a UMTS radio mobile telephone system. <i>European Journal of Operational Research</i> , 2003 , 144, 56-67	5.6	4
29	An exact algorithm for a Vehicle-and-Driver Scheduling Problem. <i>Computers and Operations Research</i> , 2017 , 81, 247-256	4.6	3
28	Hierarchical Survivable Network Design Problems. <i>Electronic Notes in Discrete Mathematics</i> , 2016 , 52, 229-236	0.3	3

27	Polynomial-time separation of Enhanced Reverse Multistar inequalities. <i>Operations Research Letters</i> , 2013 , 41, 294-297	1	3
26	On the Vehicle Routing Problem with lower bound capacities. <i>Electronic Notes in Discrete Mathematics</i> , 2010 , 36, 1001-1008	0.3	3
25	A New Lower Bound for the Minimum Linear Arrangement of a Graph. <i>Electronic Notes in Discrete Mathematics</i> , 2008 , 30, 87-92	0.3	3
24	On the Asymmetric Connected Facility Location Polytope. <i>Lecture Notes in Computer Science</i> , 2014 , 371-383	0.9	3
23	On the Asymmetric Connected Facility Location Polytope. <i>Lecture Notes in Computer Science</i> , 2014 , 371-383	0.9	2
22	Decomposition Approaches for a Capacitated Hub Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 154-163	0.9	2
21	A New Approach to Round Tabular Data. <i>Lecture Notes in Computer Science</i> , 2006 , 25-34	0.9	2
20	Extending Cell Suppression to Protect Tabular Data against Several Attackers. <i>Lecture Notes in Computer Science</i> , 2002 , 34-58	0.9	2
19	An Exact Algorithm for the Split-Demand One-Commodity Pickup-and-delivery Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , 2018 , 241-252	0.9	1
18	Generalized network design polyhedra. <i>Networks</i> , 2011 , 58, 125-136	1.6	1
17	Lower Bounds for the Minimum Linear Arrangement of a Graph. <i>Electronic Notes in Discrete Mathematics</i> , 2010 , 36, 843-849	0.3	1
16	A heuristic approach for the continuous error localization problem in data cleaning. <i>Computers and Operations Research</i> , 2007 , 34, 2370-2383	4.6	1
15	Some recent contributions to routing and location problems. <i>Networks</i> , 2003 , 42, 109-113	1.6	1
14	Optimal Solutions for the Vehicle Routing Problem with Split Demands. <i>Lecture Notes in Computer Science</i> , 2019 , 189-203	0.9	1
13	Branch-and-Cut versus Cut-and-Branch Algorithms for Cell Suppression. <i>Lecture Notes in Computer Science</i> , 2010 , 29-40	0.9	1
12	Further Developments with Perturbation Techniques to Protect Tabular Data. <i>Lecture Notes in Computer Science</i> , 2014 , 24-35	0.9	1
11	Designing optimal masks for a multi-object spectrometer. <i>Omega</i> , 2021 , 103, 102392	7.2	1
10	A Heuristic Approach to the Driver and Vehicle Routing Problem. <i>Lecture Notes in Computer Science</i> , 2018 , 295-305	0.9	0

- 9 A Branch-and-cut algorithm for the split-demand one-commodity pickup-and-delivery travelling salesman problem. *European Journal of Operational Research*, **2021**, 297, 467-467 5.6 0
- 8 Comments on: Routing problems with loading constraints. *Top*, **2010**, 18, 36-38 1.3
- 7 A new approach for data editing and imputation. *Mathematical Methods of Operations Research*, **2008**, 68, 407-428 1
- 6 Algorithms for automatic data editing. *Statistical Journal of the IAOS*, **2004**, 20, 255-264
- 5 Combining complete and partial cell suppression methodologies in statistical disclosure control. *Statistical Journal of the IAOS*, **2001**, 18, 355-361
- 4 A New Tool for Applying Controlled Rounding to a Statistical Table in Microsoft Excel. *Lecture Notes in Computer Science*, **2004**, 44-57 0.9
- 3 Protecting Tabular Data **2011**, 65-92
- 2 A Heuristic Algorithm for a Prize-Collecting Local Access Network Design Problem. *Lecture Notes in Computer Science*, **2011**, 139-144 0.9
- 1 Selective routing problem with synchronization. *Computers and Operations Research*, **2021**, 135, 105465 4.6