Ivan Contreras

List of Publications by Year in Descending Order

45 papers	1,367 citations	23 h-index	36 g-index
46 ext. papers	1,635 ext. citations	4.7 avg, IF	5.18 L-index

#	Paper	IF	Citations
45	Two-stage robust optimization for perishable inventory management with order modification. *Expert Systems With Applications*, **2022**, 193, 116346	7.8	0
44	A physician planning framework for polyclinics under uncertainty. *Omega*, **2021**, 101, 102275	7.2	3
43	Perspectives on modeling hub location problems. *European Journal of Operational Research*, **2021**, 291, 1-17	5.6	28
42	Multimodal hub network design with flexible routes. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 146, 102188	9	4
41	The transit time constrained fixed charge multi-commodity network design problem. *Computers and Operations Research*, **2021**, 136, 105511	4.6	0
40	E-commerce shipping through a third-party supply chain. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 140, 101970	9	8
39	Improving patient-care services at an oncology clinic using a flexible and adaptive scheduling procedure. *Expert Systems With Applications*, **2020**, 150, 113267	7.8	7
38	Two-level lot-sizing with raw-material perishability and deterioration. *Journal of the Operational Research Society*, **2020**, 71, 417-432	2	4
37	A comparison of separation routines for benders optimality cuts for two-level facility location problems. *Expert Systems With Applications*, **2020**, 141, 112928	7.8	1
36	Integrated cross-dock door assignment and truck scheduling with handling times. *Top*, **2020**, 28, 705-727	1.3	5
35	An Exact Algorithm for Multilevel Uncapacitated Facility Location. *Transportation Science*, **2019**, 53, 1085-1106	4.4	13
34	Solving the optimum communication spanning tree problem. *European Journal of Operational Research*, **2019**, 273, 108-117	5.6	5
33	Exact algorithms based on Benders decomposition for multicommodity uncapacitated fixed-charge network design. *Computers and Operations Research*, **2019**, 111, 311-324	4.6	7
32	Profit-oriented fixed-charge network design with elastic demand. *Transportation Research Part B: Methodological*, **2019**, 127, 1-19	7.2	3
31	Hierarchical Facility Location Problems **2019**, 365-389		1
30	Hub Location Problems **2019**, 327-363		7
29	Integrated physician and clinic scheduling in ambulatory polyclinics. *Journal of the Operational Research Society*, **2019**, 70, 177-191	2	3

28	A comparison of formulations and relaxations for cross-dock door assignment problems. *Computers and Operations Research*, **2018**, 94, 76-88	4.6	19
27	Exact solution of hub network design problems with profits. *European Journal of Operational Research*, **2018**, 266, 57-71	5.6	19
26	Multi-level facility location problems. *European Journal of Operational Research*, **2018**, 267, 791-805	5.6	49
25	Exact and heuristic approaches for the cycle hub location problem. *Annals of Operations Research*, **2017**, 258, 655-677	3.2	25
24	Integrating dock-door assignment and vehicle routing with cross-docking. *Computers and Operations Research*, **2017**, 88, 30-43	4.6	29
23	Robust uncapacitated hub location. *Transportation Research Part B: Methodological*, **2017**, 106, 393-410	7.2	46
22	An exact algorithm for the modular hub location problem with single assignments. *Computers and Operations Research*, **2017**, 85, 32-44	4.6	26
21	Formulations and Approximation Algorithms for Multilevel Uncapacitated Facility Location. *INFORMS Journal on Computing*, **2017**, 29, 767-779	2.4	8
20	Hub network design problems with profits. *Transportation Research, Part E: Logistics and Transportation Review*, **2016**, 96, 40-59	9	28
19	A mixed-integer programming formulation and Lagrangean relaxation for the cross-dock door assignment problem. *International Journal of Production Research*, **2016**, 54, 494-508	7.8	23
18	Exact and heuristic algorithms for the design of hub networks with multiple lines. *European Journal of Operational Research*, **2015**, 246, 186-198	5.6	35
17	The Minimum Flow Cost Hamiltonian Cycle Problem: A comparison of formulations. *Discrete Applied Mathematics*, **2015**, 187, 140-154	1	4
16	Hub Location Problems **2015**, 311-344		23
15	The Hub Line Location Problem. *Transportation Science*, **2015**, 49, 500-518	4.4	46
14	Multi-level facility location as the maximization of a submodular set function. *European Journal of Operational Research*, **2015**, 247, 1013-1016	5.6	12
13	Hub Location as the Minimization of a Supermodular Set Function. *Operations Research*, **2014**, 62, 557-570	2.3	28
12	General network design: A unified view of combined location and network design problems. *European Journal of Operational Research*, **2012**, 219, 680-697	5.6	96
11	Minimizing the maximum travel time in a combined model of facility location and network design. *Omega*, **2012**, 40, 847-860	7.2	39

10	Exact Solution of Large-Scale Hub Location Problems with Multiple Capacity Levels. *Transportation Science*, **2012**, 46, 439-459	4.4	45
9	Branch and Price for Large-Scale Capacitated Hub Location Problems with Single Assignment. *INFORMS Journal on Computing*, **2011**, 23, 41-55	2.4	61
8	Benders Decomposition for Large-Scale Uncapacitated Hub Location. *Operations Research*, **2011**, 59, 1477-1490	2.3	113
7	The Dynamic Uncapacitated Hub Location Problem. *Transportation Science*, **2011**, 45, 18-32	4.4	63
6	Stochastic uncapacitated hub location. *European Journal of Operational Research*, **2011**, 212, 518-528	5.6	153
5	Lagrangean bounds for the optimum communication spanning tree problem. *Top*, **2010**, 18, 140-157	1.3	10
4	The Tree of Hubs Location Problem. *European Journal of Operational Research*, **2010**, 202, 390-400	5.6	105
3	Lagrangean relaxation for the capacitated hub location problem with single assignment. *OR Spectrum*, **2009**, 31, 483-505	1.9	60
2	Tight bounds from a path based formulation for the tree of hub location problem. *Computers and Operations Research*, **2009**, 36, 3117-3127	4.6	63
1	Scatter search for the single source capacitated facility location problem. *Annals of Operations Research*, **2007**, 157, 73-89	3.2	40