

# Ivan Contreras

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Stochastic uncapacitated hub location. <i>European Journal of Operational Research</i> , <b>2011</b> , 212, 518-528	5.6	153
44	Benders Decomposition for Large-Scale Uncapacitated Hub Location. <i>Operations Research</i> , <b>2011</b> , 59, 1477-1490	2.3	113
43	The Tree of Hubs Location Problem. <i>European Journal of Operational Research</i> , <b>2010</b> , 202, 390-400	5.6	105
42	General network design: A unified view of combined location and network design problems. <i>European Journal of Operational Research</i> , <b>2012</b> , 219, 680-697	5.6	96
41	The Dynamic Uncapacitated Hub Location Problem. <i>Transportation Science</i> , <b>2011</b> , 45, 18-32	4.4	63
40	Tight bounds from a path based formulation for the tree of hub location problem. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 3117-3127	4.6	63
39	Branch and Price for Large-Scale Capacitated Hub Location Problems with Single Assignment. <i>INFORMS Journal on Computing</i> , <b>2011</b> , 23, 41-55	2.4	61
38	Lagrangian relaxation for the capacitated hub location problem with single assignment. <i>OR Spectrum</i> , <b>2009</b> , 31, 483-505	1.9	60
37	Multi-level facility location problems. <i>European Journal of Operational Research</i> , <b>2018</b> , 267, 791-805	5.6	49
36	Robust uncapacitated hub location. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 106, 393-410	7.2	46
35	The Hub Line Location Problem. <i>Transportation Science</i> , <b>2015</b> , 49, 500-518	4.4	46
34	Exact Solution of Large-Scale Hub Location Problems with Multiple Capacity Levels. <i>Transportation Science</i> , <b>2012</b> , 46, 439-459	4.4	45
33	Scatter search for the single source capacitated facility location problem. <i>Annals of Operations Research</i> , <b>2007</b> , 157, 73-89	3.2	40
32	Minimizing the maximum travel time in a combined model of facility location and network design. <i>Omega</i> , <b>2012</b> , 40, 847-860	7.2	39
31	Exact and heuristic algorithms for the design of hub networks with multiple lines. <i>European Journal of Operational Research</i> , <b>2015</b> , 246, 186-198	5.6	35
30	Integrating dock-door assignment and vehicle routing with cross-docking. <i>Computers and Operations Research</i> , <b>2017</b> , 88, 30-43	4.6	29
29	Hub network design problems with profits. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2016</b> , 96, 40-59	9	28

28	Hub Location as the Minimization of a Supermodular Set Function. <i>Operations Research</i> , <b>2014</b> , 62, 557-570	3	28
27	Perspectives on modeling hub location problems. <i>European Journal of Operational Research</i> , <b>2021</b> , 291, 1-17	5.6	28
26	An exact algorithm for the modular hub location problem with single assignments. <i>Computers and Operations Research</i> , <b>2017</b> , 85, 32-44	4.6	26
25	Exact and heuristic approaches for the cycle hub location problem. <i>Annals of Operations Research</i> , <b>2017</b> , 258, 655-677	3.2	25
24	Hub Location Problems <b>2015</b> , 311-344		23
23	A mixed-integer programming formulation and Lagrangean relaxation for the cross-dock door assignment problem. <i>International Journal of Production Research</i> , <b>2016</b> , 54, 494-508	7.8	23
22	A comparison of formulations and relaxations for cross-dock door assignment problems. <i>Computers and Operations Research</i> , <b>2018</b> , 94, 76-88	4.6	19
21	Exact solution of hub network design problems with profits. <i>European Journal of Operational Research</i> , <b>2018</b> , 266, 57-71	5.6	19
20	An Exact Algorithm for Multilevel Uncapacitated Facility Location. <i>Transportation Science</i> , <b>2019</b> , 53, 1085-1106	4.1	13
19	Multi-level facility location as the maximization of a submodular set function. <i>European Journal of Operational Research</i> , <b>2015</b> , 247, 1013-1016	5.6	12
18	Lagrangean bounds for the optimum communication spanning tree problem. <i>Top</i> , <b>2010</b> , 18, 140-157	1.3	10
17	Formulations and Approximation Algorithms for Multilevel Uncapacitated Facility Location. <i>INFORMS Journal on Computing</i> , <b>2017</b> , 29, 767-779	2.4	8
16	E-commerce shipping through a third-party supply chain. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2020</b> , 140, 101970	9	8
15	Improving patient-care services at an oncology clinic using a flexible and adaptive scheduling procedure. <i>Expert Systems With Applications</i> , <b>2020</b> , 150, 113267	7.8	7
14	Exact algorithms based on Benders decomposition for multicommodity uncapacitated fixed-charge network design. <i>Computers and Operations Research</i> , <b>2019</b> , 111, 311-324	4.6	7
13	Hub Location Problems <b>2019</b> , 327-363		7
12	Solving the optimum communication spanning tree problem. <i>European Journal of Operational Research</i> , <b>2019</b> , 273, 108-117	5.6	5
11	Integrated cross-dock door assignment and truck scheduling with handling times. <i>Top</i> , <b>2020</b> , 28, 705-727	1.3	5

10	The Minimum Flow Cost Hamiltonian Cycle Problem: A comparison of formulations. <i>Discrete Applied Mathematics</i> , <b>2015</b> , 187, 140-154	1	4
9	Two-level lot-sizing with raw-material perishability and deterioration. <i>Journal of the Operational Research Society</i> , <b>2020</b> , 71, 417-432	2	4
8	Multimodal hub network design with flexible routes. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2021</b> , 146, 102188	9	4
7	Profit-oriented fixed-charge network design with elastic demand. <i>Transportation Research Part B: Methodological</i> , <b>2019</b> , 127, 1-19	7.2	3
6	A physician planning framework for polyclinics under uncertainty. <i>Omega</i> , <b>2021</b> , 101, 102275	7.2	3
5	Integrated physician and clinic scheduling in ambulatory polyclinics. <i>Journal of the Operational Research Society</i> , <b>2019</b> , 70, 177-191	2	3
4	Hierarchical Facility Location Problems <b>2019</b> , 365-389		1
3	A comparison of separation routines for benders optimality cuts for two-level facility location problems. <i>Expert Systems With Applications</i> , <b>2020</b> , 141, 112928	7.8	1
2	Two-stage robust optimization for perishable inventory management with order modification. <i>Expert Systems With Applications</i> , <b>2022</b> , 193, 116346	7.8	0
1	The transit time constrained fixed charge multi-commodity network design problem. <i>Computers and Operations Research</i> , <b>2021</b> , 136, 105511	4.6	0