

Sebastin Urrutia

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.

39
papers

570
citations

12
h-index

23
g-index

43
ext. papers

671
ext. citations

2.7
avg, IF

3.96
L-index

#	Paper	IF	Citations
39	Scheduling in sports: An annotated bibliography. <i>Computers and Operations Research</i> , 2010 , 37, 1-19	4.6	146
38	Heuristics for the mirrored traveling tournament problem. <i>European Journal of Operational Research</i> , 2007 , 179, 775-787	5.6	75
37	A General VNS heuristic for the traveling salesman problem with time windows. <i>Discrete Optimization</i> , 2010 , 7, 203-211	1	50
36	A hybrid heuristic for a multi-objective real-life car sequencing problem with painting and assembly line constraints. <i>European Journal of Operational Research</i> , 2008 , 191, 981-992	5.6	28
35	Maximizing breaks and bounding solutions to the mirrored traveling tournament problem. <i>Discrete Applied Mathematics</i> , 2006 , 154, 1932-1938	1	25
34	A branch and cut algorithm for minimum spanning trees under conflict constraints. <i>Optimization Letters</i> , 2015 , 9, 41-55	1.1	20
33	An efficient implementation of a VNS/ILS heuristic for a real-life car sequencing problem. <i>European Journal of Operational Research</i> , 2008 , 191, 596-611	5.6	20
32	Referee Assignment in Sports Leagues 2006 , 158-173		18
31	Scheduling the Brazilian Soccer Tournament: Solution Approach and Practice. <i>Interfaces</i> , 2012 , 42, 260-277		17
30	Discrete optimization methods to determine trajectories for Dubinsavehicles. <i>Electronic Notes in Discrete Mathematics</i> , 2010 , 36, 17-24	0.3	15
29	An application of integer programming to playoff elimination in football championships. <i>International Transactions in Operational Research</i> , 2005 , 12, 375-386	2.9	15
28	A dynamic programming based local search approach for the double traveling salesman problem with multiple stacks. <i>International Transactions in Operational Research</i> , 2015 , 22, 61-75	2.9	13
27	The traveling tournament problem with predefined venues. <i>Journal of Scheduling</i> , 2009 , 12, 607-622	1.6	12
26	A Hybrid ILS Heuristic to the Referee Assignment Problem with an Embedded MIP Strategy 2007 , 82-95		12
25	New formulation and branch-and-cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks. <i>International Transactions in Operational Research</i> , 2017 , 24, 77-98	2.9	11
24	An ILS heuristic for the traveling tournament problem with predefined venues. <i>Annals of Operations Research</i> , 2012 , 194, 137-150	3.2	11
23	Edge coloring: A natural model for sports scheduling. <i>European Journal of Operational Research</i> , 2016 , 254, 1-8	5.6	11

22	A New Lower Bound to the Traveling Tournament Problem 2007 ,		10
21	Scheduling the Brazilian Soccer Tournament with Fairness and Broadcast Objectives 2006 , 147-157		10
20	Minimizing Travels by Maximizing Breaks in Round Robin Tournament Schedules. <i>Electronic Notes in Discrete Mathematics</i> , 2004 , 18, 227-233	0.3	9
19	Organising metabolic networks: Cycles in flux distributions. <i>Journal of Theoretical Biology</i> , 2010 , 265, 250-60	2.3	7
18	Formulations and algorithms for the Pickup and Delivery Traveling Salesman Problem with Multiple Stacks. <i>Computers and Operations Research</i> , 2018 , 93, 1-14	4.6	6
17	A Framework for Scheduling Professional Sports Leagues 2010 ,		6
16	A new neighborhood structure for round robin scheduling problems. <i>Computers and Operations Research</i> , 2016 , 70, 127-139	4.6	4
15	Exploring Grid Implementations of Parallel Cooperative Metaheuristics 2007 , 297-322		4
14	Sports scheduling search space connectivity: A riffle shuffle driven approach. <i>Discrete Applied Mathematics</i> , 2016 , 211, 113-120	1	3
13	On the maximum acyclic subgraph problem under disjunctive constraints. <i>Information Processing Letters</i> , 2015 , 115, 119-124	0.8	2
12	What are the worst cases in constrained Last-In-First-Out pick-up and delivery problems?. <i>European Journal of Operational Research</i> , 2018 , 270, 430-434	5.6	2
11	One-Sided Weak Dominance Drawing. <i>Theoretical Computer Science</i> , 2019 , 757, 36-43	1.1	2
10	A multi-agent framework to build integer programming applications to playoff elimination in sports tournaments. <i>International Transactions in Operational Research</i> , 2008 , 15, 739-753	2.9	2
9	Branch-and-cut algorithms for the -arborescence star problem. <i>International Transactions in Operational Research</i> , 2020 ,	2.9	2
8	Extended high dimensional indexing approach for reachability queries on very large graphs. <i>Expert Systems With Applications</i> , 2021 , 181, 114962	7.8	1
7	Recoloring subgraphs of K_{2n} for sports scheduling. <i>Theoretical Computer Science</i> , 2021 , 877, 36-45	1.1	0
6	Valid inequalities and branch-and-cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks. <i>European Journal of Operational Research</i> , 2021 , 300, 207-207	5.6	0
5	Characterizing acyclic graphs by labeling edges. <i>Discrete Applied Mathematics</i> , 2014 , 164, 492-499	1	

- 4 A New Formulation for Spanning Trees. *Electronic Notes in Discrete Mathematics*, **2011**, 37, 195-200 0.3
- 3 Gamma deployment problem in grids: hardness and new integer linear programming formulation. *International Transactions in Operational Research*, **2020**, 27, 2740-2759 2.9
- 2 Delayed improvement local search. *Journal of Heuristics*, **2021**, 27, 923 1.9
- 1 Combinatorial Relaxation Bounds and Preprocessing for Berth Allocation Problems. *Electronic Notes in Discrete Mathematics*, **2016**, 55, 85-88 0.3