Jeroen Belien

List of Publications by Year in Descending Order

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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.

57 papers	2,959 citations	21 h-index	54 g-index
65 ext. papers	3,480 ext. citations	3.1 avg, IF	5.57 L-index

#	Paper	IF	Citations
57	Introduction to the Special Issue: The Education Science of Delivering Analytics Education. *INFORMS Transactions on Education*, **2022**, 22, 65-65	0.3	
56	Evaluation of appointment scheduling rules: A multi-performance measurement approach. *Omega*, **2021**, 100, 102231	7.2	4
55	Tactical waste collection: column generation and mixed integer programming based heuristics. *OR Spectrum*, **2021**, 43, 89-126	1.9	2
54	An exact routing optimization model for bio-waste collection in the Brussels Capital Region. *Expert Systems With Applications*, **2021**, 183, 115392	7.8	2
53	20 Years of INFORMS Transactions on Education. *INFORMS Transactions on Education*, **2021**, 21, 65-66	0.3	
52	The multi-league sports scheduling problem, or how to schedule thousands of matches. *Operations Research Letters*, **2020**, 48, 180-187	1	3
51	Literature review: Strategic network optimization models in waste reverse supply chains. *Omega*, **2020**, 91, 102012	7.2	32
50	A Column Generation-Based Diving Heuristic for Staff Scheduling at an Emergency Medical Service. *Springer Proceedings in Mathematics and Statistics*, **2019**, 233-245	0.2	
49	A three-stage mixed integer programming approach for optimizing the skill mix and training schedules for aircraft maintenance. *European Journal of Operational Research*, **2018**, 267, 439-452	5.6	13
48	A model enhancement approach for optimizing the integrated shift scheduling and vehicle routing problem in waste collection. *European Journal of Operational Research*, **2018**, 266, 278-290	5.6	21
47	Integrated staff scheduling at a medical emergency service: An optimisation approach. *Expert Systems With Applications*, **2018**, 112, 62-76	7.8	10
46	OR/MS Education in a Changing Environment. *Lecture Notes in Logistics*, **2018**, 13-27	0.5	
45	European Study on OR/MS Education. *Lecture Notes in Logistics*, **2018**, 1-12	0.5	1
44	Tri-Vizor Uses an Efficient Algorithm to Identify Collaborative Shipping Opportunities. *Interfaces*, **2017**, 47, 244-259	0.7	16
43	Optimization modelling for analyzing fantasy sport games. *Infor*, **2017**, 55, 275-294	0.5	1
42	A column generation approach for solving the examination-timetabling problem. *European Journal of Operational Research*, **2016**, 253, 178-194	5.6	26
41	Developing compact course timetables with optimized student flows. *European Journal of Operational Research*, **2016**, 251, 651-661	5.6	20

40	A Time-Indexed Generalized Vehicle Routing Model for Military Aircraft Mission Planning. *Operations Research Proceedings: Papers of the Annual Meeting = Vortrge Der Jahrestagung / DGOR*, **2016**, 605-611	0.1	
39	A review of optimisation models for pedestrian evacuation and design problems. *Safety Science*, **2016**, 87, 167-178	5.8	143
38	A model enhancement heuristic for building robust aircraft maintenance personnel rosters with stochastic constraints. *European Journal of Operational Research*, **2015**, 246, 661-673	5.6	18
37	Factors determining the smooth flow and the non-operative time in a one-induction room to one-operating room setting. *Journal of Evaluation in Clinical Practice*, **2015**, 21, 205-14	2.5	4
36	On the design of custom packs: grouping of medical disposable items for surgeries. *International Journal of Production Research*, **2015**, 53, 7343-7359	7.8	12
35	Workforce planning incorporating skills: State of the art. *European Journal of Operational Research*, **2015**, 243, 1-16	5.6	170
34	A Time-Indexed Generalized Vehicle Routing Model and Stabilized Column Generation for Military Aircraft Mission Planning. *Springer Proceedings in Mathematics and Statistics*, **2015**, 299-314	0.2	0
33	Dose optimization in high-dose-rate brachytherapy: A literature review of quantitative models from 1990 to 2010. *Operations Research for Health Care*, **2014**, 3, 80-90	1.8	19
32	Case Production Scheduling at Falcon Die Casting. *INFORMS Transactions on Education*, **2014**, 15, 154-155	0.3	
31	Municipal Solid Waste Collection and Management Problems: A Literature Review. *Transportation Science*, **2014**, 48, 78-102	4.4	93
30	Case Article Production Scheduling at Falcon Die Casting: A Comprehensive Example on the Application of Linear Programming and Its Extensions. *INFORMS Transactions on Education*, **2014**, 15, 150-153	0.3	1
29	Personnel scheduling: A literature review. *European Journal of Operational Research*, **2013**, 226, 367-385	5.6	434
28	Optimizing the facility location design of organ transplant centers. *Decision Support Systems*, **2013**, 54, 1568-1579	5.6	35
27	The best time to invest in photovoltaic panels in Flanders. *Renewable Energy*, **2013**, 50, 348-358	8.1	12
26	A three-stage approach for aircraft line maintenance personnel rostering using MIP, discrete event simulation and DEA. *Expert Systems With Applications*, **2013**, 40, 2659-2668	7.8	20
25	Operating Room Planning and Scheduling. *Profiles in Operations Research*, **2013**, 121-152	1	23
24	Integrated staffing and scheduling for an aircraft line maintenance problem. *Computers and Operations Research*, **2013**, 40, 1023-1033	4.6	31
23	Teaching Integer Programming Starting From an Energy Supply Game. *INFORMS Transactions on Education*, **2013**, 13, 129-137	0.3	12

22	Supply chain management of blood products: A literature review. *European Journal of Operational Research*, **2012**, 217, 1-16	5.6	233
21	The optimal allocation of server time slots over different classes of patients. *European Journal of Operational Research*, **2012**, 219, 508-521	5.6	33
20	Comparing league formats with respect to match importance in Belgian football. *Annals of Operations Research*, **2012**, 194, 223-240	3.2	31
19	Improving Workforce Scheduling of Aircraft Line Maintenance at Sabena Technics. *Interfaces*, **2012**, 42, 352-364	0.7	22
18	Supply Chain Management of Blood Products: A Literature Review. *SSRN Electronic Journal*, **2011**,	1	2
17	Using Mixed-Integer Programming to Win a Cycling Game. *INFORMS Transactions on Education*, **2011**, 11, 93-99	0.3	13
16	Operating room planning and scheduling: A literature review. *European Journal of Operational Research*, **2010**, 201, 921-932	5.6	657
15	Comparing League Formats with Respect to Match (Un)importance: A Case Study in Belgian Soccer. *Mathematics in Industry*, **2010**, 475-480	0.2	
14	A decision support system for cyclic master surgery scheduling with multiple objectives. *Journal of Scheduling*, **2009**, 12, 147-161	1.6	108
13	Optimizing a multiple objective surgical case sequencing problem. *International Journal of Production Economics*, **2009**, 119, 354-366	9.3	122
12	Sequencing surgical cases in a day-care environment: An exact branch-and-price approach. *Computers and Operations Research*, **2009**, 36, 2660-2669	4.6	109
11	A branch-and-price approach for integrating nurse and surgery scheduling. *European Journal of Operational Research*, **2008**, 189, 652-668	5.6	123
10	Scheduling Surgical Cases in a Day-Care Environment: A Branch-and-Price Approach. *SSRN Electronic Journal*, **2007**,	1	2
9	Building cyclic master surgery schedules with leveled resulting bed occupancy. *European Journal of Operational Research*, **2007**, 176, 1185-1204	5.6	195
8	Exact and heuristic methodologies for scheduling in hospitals: problems, formulations and algorithms. *4or*, **2007**, 5, 157-160	1.4	15
7	On the trade-off between staff-decomposed and activity-decomposed column generation for a staff scheduling problem. *Annals of Operations Research*, **2007**, 155, 143-166	3.2	21
6	Scheduling trainees at a hospital department using a branch-and-price approach. *European Journal of Operational Research*, **2006**, 175, 258-278	5.6	38
5	Visualizing the demand for various resources as a function of the master surgery schedule: a case study. *Journal of Medical Systems*, **2006**, 30, 343-50	5.1	43

List of Publications

4	Visualizing the Demand for Various Resources as a Function of the Master Surgery Schedule: A Case Study. *SSRN Electronic Journal*, **2005**,	1	1
3	Solving the Case Mix Problem Optimally by Using Branch-and-Price Algorithms. *SSRN Electronic Journal*,	1	5
2	Building Cyclic Master Surgery Schedules with Leveled Resulting Bed Occupancy: A Case Study. *SSRN Electronic Journal*,	1	4
1	Integrating Nurse and Surgery Scheduling. *SSRN Electronic Journal*,	1	2