

Jeroen Belien

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.

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	Operating room planning and scheduling: A literature review. <i>European Journal of Operational Research</i> , 2010 , 201, 921-932	5.6	657
56	Personnel scheduling: A literature review. <i>European Journal of Operational Research</i> , 2013 , 226, 367-385	5.6	434
55	Supply chain management of blood products: A literature review. <i>European Journal of Operational Research</i> , 2012 , 217, 1-16	5.6	233
54	Building cyclic master surgery schedules with leveled resulting bed occupancy. <i>European Journal of Operational Research</i> , 2007 , 176, 1185-1204	5.6	195
53	Workforce planning incorporating skills: State of the art. <i>European Journal of Operational Research</i> , 2015 , 243, 1-16	5.6	170
52	A review of optimisation models for pedestrian evacuation and design problems. <i>Safety Science</i> , 2016 , 87, 167-178	5.8	143
51	A branch-and-price approach for integrating nurse and surgery scheduling. <i>European Journal of Operational Research</i> , 2008 , 189, 652-668	5.6	123
50	Optimizing a multiple objective surgical case sequencing problem. <i>International Journal of Production Economics</i> , 2009 , 119, 354-366	9.3	122
49	Sequencing surgical cases in a day-care environment: An exact branch-and-price approach. <i>Computers and Operations Research</i> , 2009 , 36, 2660-2669	4.6	109
48	A decision support system for cyclic master surgery scheduling with multiple objectives. <i>Journal of Scheduling</i> , 2009 , 12, 147-161	1.6	108
47	Municipal Solid Waste Collection and Management Problems: A Literature Review. <i>Transportation Science</i> , 2014 , 48, 78-102	4.4	93
46	Visualizing the demand for various resources as a function of the master surgery schedule: a case study. <i>Journal of Medical Systems</i> , 2006 , 30, 343-50	5.1	43
45	Scheduling trainees at a hospital department using a branch-and-price approach. <i>European Journal of Operational Research</i> , 2006 , 175, 258-278	5.6	38
44	Optimizing the facility location design of organ transplant centers. <i>Decision Support Systems</i> , 2013 , 54, 1568-1579	5.6	35
43	The optimal allocation of server time slots over different classes of patients. <i>European Journal of Operational Research</i> , 2012 , 219, 508-521	5.6	33
42	Literature review: Strategic network optimization models in waste reverse supply chains. <i>Omega</i> , 2020 , 91, 102012	7.2	32
41	Comparing league formats with respect to match importance in Belgian football. <i>Annals of Operations Research</i> , 2012 , 194, 223-240	3.2	31

40	Integrated staffing and scheduling for an aircraft line maintenance problem. <i>Computers and Operations Research</i> , 2013 , 40, 1023-1033	4.6	31
39	A column generation approach for solving the examination-timetabling problem. <i>European Journal of Operational Research</i> , 2016 , 253, 178-194	5.6	26
38	Operating Room Planning and Scheduling. <i>Profiles in Operations Research</i> , 2013 , 121-152	1	23
37	Improving Workforce Scheduling of Aircraft Line Maintenance at Sabena Technics. <i>Interfaces</i> , 2012 , 42, 352-364	0.7	22
36	A model enhancement approach for optimizing the integrated shift scheduling and vehicle routing problem in waste collection. <i>European Journal of Operational Research</i> , 2018 , 266, 278-290	5.6	21
35	On the trade-off between staff-decomposed and activity-decomposed column generation for a staff scheduling problem. <i>Annals of Operations Research</i> , 2007 , 155, 143-166	3.2	21
34	Developing compact course timetables with optimized student flows. <i>European Journal of Operational Research</i> , 2016 , 251, 651-661	5.6	20
33	A three-stage approach for aircraft line maintenance personnel rostering using MIP, discrete event simulation and DEA. <i>Expert Systems With Applications</i> , 2013 , 40, 2659-2668	7.8	20
32	Dose optimization in high-dose-rate brachytherapy: A literature review of quantitative models from 1990 to 2010. <i>Operations Research for Health Care</i> , 2014 , 3, 80-90	1.8	19
31	A model enhancement heuristic for building robust aircraft maintenance personnel rosters with stochastic constraints. <i>European Journal of Operational Research</i> , 2015 , 246, 661-673	5.6	18
30	Tri-Vizor Uses an Efficient Algorithm to Identify Collaborative Shipping Opportunities. <i>Interfaces</i> , 2017 , 47, 244-259	0.7	16
29	Exact and heuristic methodologies for scheduling in hospitals: problems, formulations and algorithms. <i>4or</i> , 2007 , 5, 157-160	1.4	15
28	A three-stage mixed integer programming approach for optimizing the skill mix and training schedules for aircraft maintenance. <i>European Journal of Operational Research</i> , 2018 , 267, 439-452	5.6	13
27	Using Mixed-Integer Programming to Win a Cycling Game. <i>INFORMS Transactions on Education</i> , 2011 , 11, 93-99	0.3	13
26	The best time to invest in photovoltaic panels in Flanders. <i>Renewable Energy</i> , 2013 , 50, 348-358	8.1	12
25	On the design of custom packs: grouping of medical disposable items for surgeries. <i>International Journal of Production Research</i> , 2015 , 53, 7343-7359	7.8	12
24	Teaching Integer Programming Starting From an Energy Supply Game. <i>INFORMS Transactions on Education</i> , 2013 , 13, 129-137	0.3	12
23	Integrated staff scheduling at a medical emergency service: An optimisation approach. <i>Expert Systems With Applications</i> , 2018 , 112, 62-76	7.8	10

22	Solving the Case Mix Problem Optimally by Using Branch-and-Price Algorithms. <i>SSRN Electronic Journal</i> ,	1	5
21	Factors determining the smooth flow and the non-operative time in a one-induction room to one-operating room setting. <i>Journal of Evaluation in Clinical Practice</i> , 2015 , 21, 205-14	2.5	4
20	Building Cyclic Master Surgery Schedules with Leveled Resulting Bed Occupancy: A Case Study. <i>SSRN Electronic Journal</i> ,	1	4
19	Evaluation of appointment scheduling rules: A multi-performance measurement approach. <i>Omega</i> , 2021 , 100, 102231	7.2	4
18	The multi-league sports scheduling problem, or how to schedule thousands of matches. <i>Operations Research Letters</i> , 2020 , 48, 180-187	1	3
17	Supply Chain Management of Blood Products: A Literature Review. <i>SSRN Electronic Journal</i> , 2011 ,	1	2
16	Scheduling Surgical Cases in a Day-Care Environment: A Branch-and-Price Approach. <i>SSRN Electronic Journal</i> , 2007 ,	1	2
15	Integrating Nurse and Surgery Scheduling. <i>SSRN Electronic Journal</i> ,	1	2
14	Tactical waste collection: column generation and mixed integer programming based heuristics. <i>OR Spectrum</i> , 2021 , 43, 89-126	1.9	2
13	An exact routing optimization model for bio-waste collection in the Brussels Capital Region. <i>Expert Systems With Applications</i> , 2021 , 183, 115392	7.8	2
12	Optimization modelling for analyzing fantasy sport games. <i>Infor</i> , 2017 , 55, 275-294	0.5	1
11	Case Article Production Scheduling at Falcon Die Casting: A Comprehensive Example on the Application of Linear Programming and Its Extensions. <i>INFORMS Transactions on Education</i> , 2014 , 15, 150-153	0.3	1
10	Visualizing the Demand for Various Resources as a Function of the Master Surgery Schedule: A Case Study. <i>SSRN Electronic Journal</i> , 2005 ,	1	1
9	European Study on OR/MS Education. <i>Lecture Notes in Logistics</i> , 2018 , 1-12	0.5	1
8	A Time-Indexed Generalized Vehicle Routing Model and Stabilized Column Generation for Military Aircraft Mission Planning. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015 , 299-314	0.2	0
7	Case Production Scheduling at Falcon Die Casting. <i>INFORMS Transactions on Education</i> , 2014 , 15, 154-155	0.3	0
6	Introduction to the Special Issue: The Education Science of Delivering Analytics Education. <i>INFORMS Transactions on Education</i> , 2022 , 22, 65-65	0.3	0
5	OR/MS Education in a Changing Environment. <i>Lecture Notes in Logistics</i> , 2018 , 13-27	0.5	0

- 4 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
- 3 A Time-Indexed Generalized Vehicle Routing Model for Military Aircraft Mission Planning. *Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR*, **2016**, 605-611 0.1
- 2 Comparing League Formats with Respect to Match (Un)importance: A Case Study in Belgian Soccer. *Mathematics in Industry*, **2010**, 475-480 0.2
- 1 20 Years of INFORMS Transactions on Education. *INFORMS Transactions on Education*, **2021**, 21, 65-66 0.3