

Greet Vanden Berghe

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.

105
papers

3,181
citations

29
h-index

53
g-index

110
ext. papers

3,686
ext. citations

3.6
avg, IF

5.47
L-index

#	Paper	IF	Citations
105	The State of the Art of Nurse Rostering. <i>Journal of Scheduling</i> , 2004 , 7, 441-499	1.6	520
104	Iterated local search for the team orienteering problem with time windows. <i>Computers and Operations Research</i> , 2009 , 36, 3281-3290	4.6	202
103	The City Trip Planner: An expert system for tourists. <i>Expert Systems With Applications</i> , 2011 , 38, 6540-6546	4.8	163
102	A PERSONALIZED TOURIST TRIP DESIGN ALGORITHM FOR MOBILE TOURIST GUIDES. <i>Applied Artificial Intelligence</i> , 2008 , 22, 964-985	2.3	145
101	A guided local search metaheuristic for the team orienteering problem. <i>European Journal of Operational Research</i> , 2009 , 196, 118-127	5.6	130
100	A Memetic Approach to the Nurse Rostering Problem. <i>Applied Intelligence</i> , 2001 , 15, 199-214	4.9	120
99	A Path Relinking approach for the Team Orienteering Problem. <i>Computers and Operations Research</i> , 2010 , 37, 1853-1859	4.6	95
98	The Multiconstraint Team Orienteering Problem with Multiple Time Windows. <i>Transportation Science</i> , 2013 , 47, 53-63	4.4	84
97	A categorisation of nurse rostering problems. <i>Journal of Scheduling</i> , 2011 , 14, 3-16	1.6	76
96	A hybrid tabu search algorithm for automatically assigning patients to beds. <i>Artificial Intelligence in Medicine</i> , 2010 , 48, 61-70	7.4	73
95	A multi-objective approach for robust airline scheduling. <i>Computers and Operations Research</i> , 2010 , 37, 822-832	4.6	71
94	One hyper-heuristic approach to two timetabling problems in health care. <i>Journal of Heuristics</i> , 2012 , 18, 401-434	1.9	55
93	Good Laboratory Practice for optimization research. <i>Journal of the Operational Research Society</i> , 2016 , 67, 676-689	2	54
92	A shift sequence based approach for nurse scheduling and a new benchmark dataset. <i>Journal of Heuristics</i> , 2010 , 16, 559-573	1.9	54
91	METAHEURISTICS FOR HANDLING TIME INTERVAL COVERAGE CONSTRAINTS IN NURSE SCHEDULING. <i>Applied Artificial Intelligence</i> , 2006 , 20, 743-766	2.3	51
90	A Hybrid Tabu Search Algorithm for the Nurse Rostering Problem. <i>Lecture Notes in Computer Science</i> , 1999 , 187-194	0.9	51
89	The planning of cycle trips in the province of East Flanders. <i>Omega</i> , 2011 , 39, 209-213	7.2	46

88	A decomposed metaheuristic approach for a real-world university timetabling problem. <i>European Journal of Operational Research</i> , 2009 , 195, 307-318	5.6	43
87	The generalized lock scheduling problem: An exact approach. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 65, 16-34	9	37
86	The shift minimisation personnel task scheduling problem: A new hybrid approach and computational insights. <i>Omega</i> , 2014 , 46, 64-73	7.2	36
85	Local search neighbourhoods for dealing with a novel nurse rostering model. <i>Annals of Operations Research</i> , 2012 , 194, 33-57	3.2	36
84	The Multi-Mode Resource-Constrained Multi-Project Scheduling Problem. <i>Journal of Scheduling</i> , 2016 , 19, 271-283	1.6	35
83	A tabu search approach to the truck scheduling problem with multiple docks and time windows. <i>Computers and Industrial Engineering</i> , 2013 , 66, 818-826	6.4	35
82	Metaheuristics for Tourist Trip Planning. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 15-31	0.4	35
81	Real-world production scheduling for the food industry: An integrated approach. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 222-228	7.2	33
80	A hyperheuristic approach to examination timetabling problems: benchmarks and a new problem from practice. <i>Journal of Scheduling</i> , 2012 , 15, 83-103	1.6	30
79	Cooperative search for fair nurse rosters. <i>Expert Systems With Applications</i> , 2013 , 40, 6674-6683	7.8	30
78	A two-dimensional heuristic decomposition approach to a three-dimensional multiple container loading problem. <i>European Journal of Operational Research</i> , 2017 , 257, 526-538	5.6	30
77	The lockmaster problem. <i>European Journal of Operational Research</i> , 2016 , 251, 432-441	5.6	29
76	Modelling and evaluation issues in nurse rostering. <i>Annals of Operations Research</i> , 2014 , 218, 303-326	3.2	28
75	Multi-directional local search for a bi-objective dial-a-ride problem in patient transportation. <i>Computers and Operations Research</i> , 2017 , 77, 58-71	4.6	28
74	An Ant Based Hyper-heuristic for the Travelling Tournament Problem 2007 ,		26
73	A Late Acceptance Algorithm for the Lock Scheduling Problem 2009 , 457-478		26
72	A comparison of two approaches to nurse rostering problems. <i>Annals of Operations Research</i> , 2012 , 194, 365-384	3.2	25
71	School bus routing column generation approach. <i>International Transactions in Operational Research</i> , 2014 , 21, 453-478	2.9	24

70	Variable Neighborhood Search for Nurse Rostering Problems. <i>Applied Optimization</i> , 2003 , 153-172		24
69	Automatic air cargo selection and weight balancing: A mixed integer programming approach. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 65, 70-83	9	23
68	A two-phase heuristic approach to multi-day surgical case scheduling considering generalized resource constraints. <i>Operations Research for Health Care</i> , 2015 , 7, 27-39	1.8	22
67	Slack Induction by String Removals for Vehicle Routing Problems. <i>Transportation Science</i> , 2020 ,	4.4	22
66	Scheduling algorithms for the lock scheduling problem. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 20, 806-815		22
65	An Intelligent Hyper-Heuristic Framework for CHeSC 2011. <i>Lecture Notes in Computer Science</i> , 2012 , 461-466		22
64	An analysis of generalised heuristics for vehicle routing and personnel rostering problems. <i>Journal of the Operational Research Society</i> , 2015 , 66, 858-870	2	21
63	A learning-based optimization approach to multi-project scheduling. <i>Journal of Scheduling</i> , 2015 , 18, 61-74	1.6	21
62	Analysis of stochastic local search methods for the unrelated parallel machine scheduling problem. <i>International Transactions in Operational Research</i> , 2019 , 26, 707-724	2.9	21
61	A new hyper-heuristic as a general problem solver: an implementation in HyFlex. <i>Journal of Scheduling</i> , 2013 , 16, 291-311	1.6	19
60	A decomposition approach to dual shuttle automated storage and retrieval systems. <i>Computers and Industrial Engineering</i> , 2016 , 101, 325-337	6.4	15
59	The roster quality staffing problem [A methodology for improving the roster quality by modifying the personnel structure. <i>European Journal of Operational Research</i> , 2013 , 230, 551-562	5.6	15
58	A Time Predefined Variable Depth Search for Nurse Rostering. <i>INFORMS Journal on Computing</i> , 2013 , 25, 411-419	2.4	15
57	MamMoeT: An intelligent agent-based communication support platform for multimodal transport. <i>Expert Systems With Applications</i> , 2009 , 36, 10280-10287	7.8	15
56	Flexible home care scheduling. <i>Omega</i> , 2019 , 83, 80-95	7.2	15
55	Polynomially solvable personnel rostering problems. <i>European Journal of Operational Research</i> , 2016 , 249, 67-75	5.6	14
54	An improved best-fit heuristic for the orthogonal strip packing problem. <i>International Transactions in Operational Research</i> , 2013 , 20, 711-730	2.9	14
53	Heuristic decomposition approaches for an integrated task scheduling and personnel rostering problem. <i>Computers and Operations Research</i> , 2016 , 76, 60-72	4.6	13

52	The berth allocation problem in terminals with irregular layouts. <i>European Journal of Operational Research</i> , 2019 , 272, 1096-1108	5.6	13
51	Towards a reference model for timetabling and rostering. <i>Annals of Operations Research</i> , 2012 , 194, 167-176	3.2	13
50	A study of decision support models for online patient-to-room assignment planning. <i>Annals of Operations Research</i> , 2016 , 239, 253-271	3.2	12
49	Evolutionary synthesis of multi-agent systems for dynamic dial-a-ride problems 2012 ,		12
48	Chance-constrained admission scheduling of elective surgical patients in a dynamic, uncertain setting. <i>Operations Research for Health Care</i> , 2019 , 22, 100196	1.8	11
47	Outlier detection in relational data: A case study in geographical information systems. <i>Expert Systems With Applications</i> , 2012 , 39, 4718-4728	7.8	11
46	Relaxation of Coverage Constraints in Hospital Personnel Rostering. <i>Lecture Notes in Computer Science</i> , 2003 , 129-147	0.9	11
45	A Mobile Tourist Decision Support System for Small Footprint Devices. <i>Lecture Notes in Computer Science</i> , 2009 , 1248-1255	0.9	11
44	The nurse rerostering problem: Strategies for reconstructing disrupted schedules. <i>Computers and Operations Research</i> , 2019 , 104, 319-337	4.6	11
43	Hyper-heuristics with a dynamic heuristic set for the home care scheduling problem 2010 ,		10
42	Stochastic local search with learning automaton for the swap-body vehicle routing problem. <i>Computers and Operations Research</i> , 2018 , 89, 68-81	4.6	10
41	Local and global constraint consistency in personnel rostering. <i>International Transactions in Operational Research</i> , 2017 , 24, 1099-1117	2.9	9
40	Decomposition and local search based methods for the traveling umpire problem. <i>European Journal of Operational Research</i> , 2014 , 238, 886-898	5.6	9
39	Compatibility of short and long term objectives for dynamic patient admission scheduling. <i>Computers and Operations Research</i> , 2019 , 104, 98-112	4.6	9
38	Crane-operated warehouses: Integrating location assignment and crane scheduling. <i>Computers and Industrial Engineering</i> , 2019 , 129, 274-295	6.4	8
37	Facilitating the transition from manual to automated nurse rostering. <i>Health Systems</i> , 2016 , 5, 120-131	2.3	8
36	Storing and Adapting Repair Experiences in Employee Rostering. <i>Lecture Notes in Computer Science</i> , 2003 , 148-165	0.9	8
35	The one-dimensional cutting stock problem with sequence-dependent cut losses. <i>International Transactions in Operational Research</i> , 2016 , 23, 5-24	2.9	7

34	Variable Neighbourhood Descent for Planning Crane Operations in a Train Terminal. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 83-98	0.4	7
33	Measures of dynamism and urgency in logistics. <i>European Journal of Operational Research</i> , 2016 , 253, 614-624	5.6	7
32	Dispatch and conflict-free routing of capacitated vehicles with storage stack allocation. <i>Journal of the Operational Research Society</i> , 2019 , 1-14	2	6
31	Branch-and-bound with decomposition-based lower bounds for the Traveling Umpire Problem. <i>European Journal of Operational Research</i> , 2016 , 250, 737-744	5.6	6
30	Tour Suggestion for Outdoor Activities. <i>Lecture Notes in Computer Science</i> , 2013 , 54-63	0.9	6
29	The tactical berth allocation problem with time-variant specific quay crane assignments. <i>Computers and Industrial Engineering</i> , 2021 , 155, 107168	6.4	6
28	Multi-machine energy-aware scheduling. <i>EURO Journal on Computational Optimization</i> , 2017 , 5, 285-307	1.2	5
27	Balancing desirability and promotion steadiness in partially stochastic manpower planning systems. <i>Communications in Statistics - Theory and Methods</i> , 2016 , 45, 1805-1818	0.5	5
26	Automated Parameterisation of a Metaheuristic for the Orienteering Problem. <i>Studies in Computational Intelligence</i> , 2008 , 255-269	0.8	5
25	The sport teams grouping problem. <i>Annals of Operations Research</i> , 2019 , 275, 223-243	3.2	5
24	Optimal decision trees for the algorithm selection problem: integer programming based approaches. <i>International Transactions in Operational Research</i> , 2021 , 28, 2759-2781	2.9	5
23	An effective shaking procedure for 2D and 3D strip packing problems. <i>Computers and Operations Research</i> , 2013 , 40, 2662-2669	4.6	4
22	A mixed integer programming approach to the aircraft weight and balance problem. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 20, 1051-1059		4
21	A Multi Agent System to Control Complexity in Multi Modal Transport 2006 ,		4
20	Strategic room type allocation for nursing wards through Markov chain modeling. <i>Artificial Intelligence in Medicine</i> , 2019 , 99, 101705	7.4	3
19	Balancing attainability, desirability and promotion steadiness in manpower planning systems. <i>Journal of the Operational Research Society</i> , 2015 , 66, 2004-2014	2	3
18	Alternative e-commerce delivery policies. <i>EURO Journal on Transportation and Logistics</i> , 2019 , 8, 217-248	2.4	3
17	Fast Permutation Learning. <i>Lecture Notes in Computer Science</i> , 2012 , 292-306	0.9	3

16	A periodic optimization approach to dynamic pickup and delivery problems with time windows. <i>Journal of Scheduling</i> , 2020 , 23, 711-731	1.6	3
15	Semantic Components for Timetabling. <i>Lecture Notes in Computer Science</i> , 2005 , 17-33	0.9	3
14	Truck scheduling in tank terminals. <i>EURO Journal on Transportation and Logistics</i> , 2020 , 9, 100001	2.4	2
13	The extended roster quality staffing problem: addressing roster quality variation within a staffing planning period. <i>Journal of Scheduling</i> , 2020 , 23, 253-264	1.6	2
12	On Horizontal Dynamic Effects on Palletized Goods during Road Transport. <i>Packaging Technology and Science</i> , 2018 , 31, 310-330	2.3	2
11	Scheduling Serial Locks: A Green Wave for Waterbound Logistics. <i>Contributions To Management Science</i> , 2016 , 91-109	0.4	2
10	The impact of loading restrictions on the two-echelon location routing problem. <i>Computers and Industrial Engineering</i> , 2021 , 160, 107609	6.4	2
9	The prisoner transportation problem. <i>European Journal of Operational Research</i> , 2020 , 284, 1058-1073	5.6	1
8	Fast approximation of reach hierarchies in networks 2014 ,		1
7	Scheduling truck drivers with interdependent routes under European Union regulations. <i>European Journal of Operational Research</i> , 2021 , 298, 76-76	5.6	1
6	Demand smoothing in shift design. <i>Flexible Services and Manufacturing Journal</i> , 2021 , 33, 457-484	1.8	1
5	Achieving compromise solutions in nurse rostering by using automatically estimated acceptance thresholds. <i>European Journal of Operational Research</i> , 2021 , 292, 980-995	5.6	1
4	Designing trust with software agents: A case study. <i>Journal of Information Communication and Ethics in Society</i> , 2006 , 4, 37-48	1.2	
3	Behind-the-Scenes Weight Tuning for applied nurse rostering. <i>Operations Research for Health Care</i> , 2020 , 26, 100265	1.8	
2	Quantifying and enforcing robustness in staff rostering. <i>Journal of Scheduling</i> , 2021 , 24, 347-366	1.6	
1	Neighborhood Enumeration in Local Search Metaheuristics. <i>Communications in Computer and Information Science</i> , 2021 , 229-240	0.3	