

Pieter Vansteenwegen

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.

88

papers

3,344

citations

29

h-index

57

g-index

93

ext. papers

3,911

ext. citations

3.9

avg, IF

5.71

L-index

#	Paper	IF	Citations
88	A survey on demand-responsive public bus systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2022 , 137, 103573	8.4	5
87	Designing bus line plans for realistic cases - the Utrecht case study. <i>Expert Systems With Applications</i> , 2022 , 187, 115918	7.8	0
86	Algorithm Selection for the Team Orienteering Problem. <i>Lecture Notes in Computer Science</i> , 2022 , 33-45	0.9	1
85	Time dependent orienteering problem with time windows and service time dependent profits. <i>Computers and Operations Research</i> , 2022 , 143, 105794	4.6	1
84	The design of a Flexible Bus Line Plan. <i>Expert Systems With Applications</i> , 2022 , 117352	7.8	
83	An Exact Solution Approach for the Bus Line Planning Problem with Integrated Passenger Routing. <i>Journal of Advanced Transportation</i> , 2021 , 2021, 1-18	1.9	2
82	A matheuristic algorithm for the vehicle routing problem with cross-docking. <i>Applied Soft Computing Journal</i> , 2021 , 103, 107163	7.5	7
81	A large neighborhood search algorithm to optimize a demand-responsive feeder service. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 127, 103102	8.4	7
80	The Multi-Vehicle Cyclic Inventory Routing Problem: Formulation and a Metaheuristic Approach. <i>Computers and Industrial Engineering</i> , 2021 , 157, 107320	6.4	0
79	An Exact Algorithm for Agile Earth Observation Satellite Scheduling with Time-Dependent Profits. <i>Computers and Operations Research</i> , 2020 , 120, 104946	4.6	13
78	Solving the Agile Earth Observation Satellite Scheduling Problem With Time-Dependent Transition Times. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	7
77	A Matheuristic Iterative Approach for Profit-Oriented Line Planning Applied to the Chinese High-Speed Railway Network. <i>Journal of Advanced Transportation</i> , 2020 , 2020, 1-18	1.9	2
76	Large neighborhood search for the bike request scheduling problem. <i>International Transactions in Operational Research</i> , 2020 , 27, 2695-2714	2.9	1
75	Considering emissions in the transit network design and frequency setting problem with a heterogeneous fleet. <i>European Journal of Operational Research</i> , 2020 , 282, 580-592	5.6	15
74	Agile earth observation satellite scheduling: An orienteering problem with time-dependent profits and travel times. <i>Computers and Operations Research</i> , 2019 , 111, 84-98	4.6	23
73	Towards a conflict prevention strategy applicable for real-time railway traffic management. <i>Journal of Rail Transport Planning and Management</i> , 2019 , 11, 100139	2.1	2
72	Definitions and Mathematical Models of OP Variants. <i>EURO Advanced Tutorials on Operational Research</i> , 2019 , 21-32	0.8	0

71	Other Orienteering Problem Variants. <i>EURO Advanced Tutorials on Operational Research</i> , 2019 , 95-112	0.8	2
70	Applications of the OP. <i>EURO Advanced Tutorials on Operational Research</i> , 2019 , 83-93	0.8	0
69	State-of-the-Art Solution Techniques for OPTW and TOPTW. <i>EURO Advanced Tutorials on Operational Research</i> , 2019 , 67-81	0.8	0
68	Definitions and Mathematical Models of Single Vehicle Routing Problems with Profits. <i>EURO Advanced Tutorials on Operational Research</i> , 2019 , 7-19	0.8	0
67	State-of-the-Art Solution Techniques for OP and TOP. <i>EURO Advanced Tutorials on Operational Research</i> , 2019 , 41-66	0.8	2
66	Simulated Annealing for the Multi-Vehicle Cyclic Inventory Routing Problem 2019 ,		1
65	Considering a dynamic impact zone for real-time railway traffic management. <i>Transportation Research Part B: Methodological</i> , 2018 , 111, 39-59	7.2	10
64	An Iterated Local Search Algorithm for Agile Earth Observation Satellite Scheduling Problem 2018 ,		7
63	Integrating robust timetabling in line plan optimization for railway systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2017 , 77, 134-160	8.4	36
62	The time-dependent orienteering problem with time windows: a fast ant colony system. <i>Annals of Operations Research</i> , 2017 , 254, 481-505	3.2	18
61	Robust routing and timetabling in complex railway stations. <i>Transportation Research Part B: Methodological</i> , 2017 , 101, 228-244	7.2	16
60	Optimization of supplements and buffer times in passenger robust timetabling. <i>Journal of Rail Transport Planning and Management</i> , 2017 , 7, 171-186	2.1	6
59	Well-tuned algorithms for the Team Orienteering Problem with Time Windows. <i>Journal of the Operational Research Society</i> , 2017 , 68, 861-876	2	19
58	A metaheuristic solution approach for the time-constrained project scheduling problem. <i>OR Spectrum</i> , 2017 , 39, 353-371	1.9	7
57	A review of cutting path algorithms for laser cutters. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 1865-1884	3.2	42
56	Reducing the passenger travel time in practice by the automated construction of a robust railway timetable. <i>Transportation Research Part B: Methodological</i> , 2016 , 84, 124-156	7.2	48
55	An iterative approach for reducing the impact of infrastructure maintenance on the performance of railway systems. <i>European Journal of Operational Research</i> , 2016 , 252, 39-53	5.6	24
54	A two-phase algorithm for the cyclic inventory routing problem. <i>European Journal of Operational Research</i> , 2016 , 254, 410-426	5.6	26

53	Orienteering Problem: A survey of recent variants, solution approaches and applications. <i>European Journal of Operational Research</i> , 2016 , 255, 315-332	5.6	279
52	Automated platforming & routing of trains in all Belgian railway stations. <i>Expert Systems With Applications</i> , 2016 , 62, 302-316	7.8	2
51	Solving the stochastic time-dependent orienteering problem with time windows. <i>European Journal of Operational Research</i> , 2016 , 255, 699-718	5.6	26
50	A minimum cost network flow model for the maximum covering and patrol routing problem. <i>European Journal of Operational Research</i> , 2015 , 247, 27-36	5.6	16
49	Sheet Metal Laser Cutting Tool Path Generation: Dealing with Overlooked Problem Aspects. <i>Key Engineering Materials</i> , 2015 , 639, 517-524	0.4	9
48	An improvement heuristic framework for the laser cutting tool path problem. <i>International Journal of Production Research</i> , 2015 , 53, 1761-1776	7.8	33
47	A fast metaheuristic for the travelling salesperson problem with hotel selection. <i>4or</i> , 2015 , 13, 15-34	1.4	11
46	Practical Macroscopic Evaluation and Comparison of Railway Timetables. <i>Transportation Research Procedia</i> , 2015 , 10, 625-633	2.4	1
45	An Integrated Perspective on Traffic Management and Logistic Optimization 2015 ,		1
44	Improving the robustness in railway station areas. <i>European Journal of Operational Research</i> , 2014 , 235, 276-286	5.6	37
43	A fast solution method for the time-dependent orienteering problem. <i>European Journal of Operational Research</i> , 2014 , 236, 419-432	5.6	54
42	An iterated local search algorithm for the single-vehicle cyclic inventory routing problem. <i>European Journal of Operational Research</i> , 2014 , 237, 802-813	5.6	44
41	The train platforming problem: The infrastructure management company perspective. <i>Transportation Research Part B: Methodological</i> , 2014 , 61, 55-72	7.2	29
40	An extension of the arc orienteering problem and its application to cycle trip planning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 68, 64-78	9	31
39	A memetic algorithm for the orienteering problem with hotel selection. <i>European Journal of Operational Research</i> , 2014 , 237, 29-49	5.6	38
38	Construction heuristics for generating tool paths for laser cutters. <i>International Journal of Production Research</i> , 2014 , 52, 5965-5984	7.8	29
37	Personalized Multi-day Trips to Touristic Regions: A Hybrid GA-VND Approach. <i>Lecture Notes in Computer Science</i> , 2014 , 194-205	0.9	6
36	Joint maintenance and inventory optimization systems: A review. <i>International Journal of Production Economics</i> , 2013 , 143, 499-508	9.3	141

35	The Multiconstraint Team Orienteering Problem with Multiple Time Windows. <i>Transportation Science</i> , 2013 , 47, 53-63	4.4	84
34	Robust railway station planning: An interaction between routing, timetabling and platforming. <i>Journal of Rail Transport Planning and Management</i> , 2013 , 3, 68-77	2.1	18
33	A memetic algorithm for the travelling salesperson problem with hotel selection. <i>Computers and Operations Research</i> , 2013 , 40, 1716-1728	4.6	30
32	Heuristics for the traveling repairman problem with profits. <i>Computers and Operations Research</i> , 2013 , 40, 1700-1707	4.6	45
31	A variable neighborhood search method for the orienteering problem with hotel selection. <i>International Journal of Production Economics</i> , 2013 , 145, 150-160	9.3	41
30	Integrating public transportation in personalised electronic tourist guides. <i>Computers and Operations Research</i> , 2013 , 40, 758-774	4.6	71
29	The travelling salesperson problem with hotel selection. <i>Journal of the Operational Research Society</i> , 2012 , 63, 207-217	2	37
28	Automated, Passenger Time Optimal, Robust Timetabling, Using Integer Programming. <i>Lecture Notes in Electrical Engineering</i> , 2012 , 87-92	0.2	1
27	The planning of cycle trips in the province of East Flanders. <i>Omega</i> , 2011 , 39, 209-213	7.2	46
26	The City Trip Planner: An expert system for tourists. <i>Expert Systems With Applications</i> , 2011 , 38, 6540-6548	4.8	163
25	The orienteering problem: A survey. <i>European Journal of Operational Research</i> , 2011 , 209, 1-10	5.6	564
24	Cutting Path Optimization Using Tabu Search. <i>Key Engineering Materials</i> , 2011 , 473, 739-748	0.4	15
23	Tourist Trip Planning Functionalities: State of the Art and Future. <i>Lecture Notes in Computer Science</i> , 2010 , 474-485	0.9	37
22	Trip Planning Functionalities: State of the Art and Future. <i>Information Technology and Tourism</i> , 2010 , 12, 305-315	4.8	12
21	A Path Relinking approach for the Team Orienteering Problem. <i>Computers and Operations Research</i> , 2010 , 37, 1853-1859	4.6	95
20	Solving the mobile mapping van problem: A hybrid metaheuristic for capacitated arc routing with soft time windows. <i>Computers and Operations Research</i> , 2010 , 37, 1870-1876	4.6	17
19	Hybrid Approach for the Public Transportation Time Dependent Orienteering Problem with Time Windows. <i>Lecture Notes in Computer Science</i> , 2010 , 151-158	0.9	17
18	Personalized Tourist Route Generation. <i>Lecture Notes in Computer Science</i> , 2010 , 486-497	0.9	26

17	A Detailed Analysis of Two Metaheuristics for the Team Orienteering Problem. <i>Lecture Notes in Computer Science</i> , 2009 , 110-114	0.9	3
16	Intelligent Routing System for a Personalised Electronic Tourist Guide 2009 , 185-197		12
15	Planning in tourism and public transportation. <i>4or</i> , 2009 , 7, 293-296	1.4	12
14	A guided local search metaheuristic for the team orienteering problem. <i>European Journal of Operational Research</i> , 2009 , 196, 118-127	5.6	130
13	Iterated local search for the team orienteering problem with time windows. <i>Computers and Operations Research</i> , 2009 , 36, 3281-3290	4.6	202
12	Metaheuristics for Tourist Trip Planning. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 15-31	0.4	35
11	The Mobile Mapping Van Problem: a matheuristic for capacitated arc routing with soft time windows and depot selection. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 1114-1119		1
10	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
9	A Mobile Tourist Decision Support System for Small Footprint Devices. <i>Lecture Notes in Computer Science</i> , 2009 , 1248-1255	0.9	11
8	A PERSONALIZED TOURIST TRIP DESIGN ALGORITHM FOR MOBILE TOURIST GUIDES. <i>Applied Artificial Intelligence</i> , 2008 , 22, 964-985	2.3	145
7	Automated Parameterisation of a Metaheuristic for the Orienteering Problem. <i>Studies in Computational Intelligence</i> , 2008 , 255-269	0.8	5
6	The Mobile Tourist Guide: An OR Opportunity. <i>OR Insight</i> , 2007 , 20, 21-27		130
5	Decreasing the passenger waiting time for an intercity rail network. <i>Transportation Research Part B: Methodological</i> , 2007 , 41, 478-492	7.2	85
4	Developing railway timetables which guarantee a better service. <i>European Journal of Operational Research</i> , 2006 , 173, 337-350	5.6	103
3	A survey on the transit network design and frequency setting problem. <i>Public Transport</i> , 1	2.1	2
2	Two-phase Matheuristic for the vehicle routing problem with reverse cross-docking. <i>Annals of Mathematics and Artificial Intelligence</i> , 1	0.8	1
1	The grid based approach, a fast local evaluation technique for line planning. <i>4or</i> , 1	1.4	2