

# Pieter Vansteenwegen

## List of Publications by Year in descending order

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92  
papers

4,559  
citations

117453

34  
h-index

102304

66  
g-index

93  
all docs

93  
docs citations

93  
times ranked

2213  
citing authors

#	ARTICLE	IF	CITATIONS
1	The orienteering problem: A survey. <i>European Journal of Operational Research</i> , 2011, 209, 1-10.	3.5	725
2	Orienteering Problem: A survey of recent variants, solution approaches and applications. <i>European Journal of Operational Research</i> , 2016, 255, 315-332.	3.5	432
3	Iterated local search for the team orienteering problem with time windows. <i>Computers and Operations Research</i> , 2009, 36, 3281-3290.	2.4	257
4	The City Trip Planner: An expert system for tourists. <i>Expert Systems With Applications</i> , 2011, 38, 6540-6546.	4.4	213
5	Joint maintenance and inventory optimization systems: A review. <i>International Journal of Production Economics</i> , 2013, 143, 499-508.	5.1	185
6	A PERSONALIZED TOURIST TRIP DESIGN ALGORITHM FOR MOBILE TOURIST GUIDES. <i>Applied Artificial Intelligence</i> , 2008, 22, 964-985.	2.0	177
7	The Mobile Tourist Guide: An OR Opportunity. <i>OR Insight</i> , 2007, 20, 21-27.	0.1	167
8	A guided local search metaheuristic for the team orienteering problem. <i>European Journal of Operational Research</i> , 2009, 196, 118-127.	3.5	160
9	Developing railway timetables which guarantee a better service. <i>European Journal of Operational Research</i> , 2006, 173, 337-350.	3.5	128
10	The Multiconstraint Team Orienteering Problem with Multiple Time Windows. <i>Transportation Science</i> , 2013, 47, 53-63.	2.6	111
11	A Path Relinking approach for the Team Orienteering Problem. <i>Computers and Operations Research</i> , 2010, 37, 1853-1859.	2.4	102
12	Decreasing the passenger waiting time for an intercity rail network. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 478-492.	2.8	97
13	Integrating public transportation in personalised electronic tourist guides. <i>Computers and Operations Research</i> , 2013, 40, 758-774.	2.4	88
14	A fast solution method for the time-dependent orienteering problem. <i>European Journal of Operational Research</i> , 2014, 236, 419-432.	3.5	74
15	A review of cutting path algorithms for laser cutters. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 1865-1884.	1.5	63
16	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.	2.8	62
17	The planning of cycle trips in the province of East Flanders. <i>Omega</i> , 2011, 39, 209-213.	3.6	61
18	An iterated local search algorithm for the single-vehicle cyclic inventory routing problem. <i>European Journal of Operational Research</i> , 2014, 237, 802-813.	3.5	60

#	ARTICLE	IF	CITATIONS
19	A variable neighborhood search method for the orienteering problem with hotel selection. International Journal of Production Economics, 2013, 145, 150-160.	5.1	56
20	Integrating robust timetabling in line plan optimization for railway systems. Transportation Research Part C: Emerging Technologies, 2017, 77, 134-160.	3.9	56
21	Heuristics for the traveling repairman problem with profits. Computers and Operations Research, 2013, 40, 1700-1707.	2.4	53
22	A memetic algorithm for the orienteering problem with hotel selection. European Journal of Operational Research, 2014, 237, 29-49.	3.5	52
23	The travelling salesperson problem with hotel selection. Journal of the Operational Research Society, 2012, 63, 207-217.	2.1	49
24	Agile earth observation satellite scheduling: An orienteering problem with time-dependent profits and travel times. Computers and Operations Research, 2019, 111, 84-98.	2.4	49
25	Tourist Trip Planning Functionalities: State-of-the-Art and Future. Lecture Notes in Computer Science, 2010, , 474-485.	1.0	45
26	Improving the robustness in railway station areas. European Journal of Operational Research, 2014, 235, 276-286.	3.5	45
27	Metaheuristics for Tourist Trip Planning. Lecture Notes in Economics and Mathematical Systems, 2009, , 15-31.	0.3	43
28	The train platforming problem: The infrastructure management company perspective. Transportation Research Part B: Methodological, 2014, 61, 55-72.	2.8	42
29	An improvement heuristic framework for the laser cutting tool path problem. International Journal of Production Research, 2015, 53, 1761-1776.	4.9	42
30	An extension of the arc orienteering problem and its application to cycle trip planning. Transportation Research, Part E: Logistics and Transportation Review, 2014, 68, 64-78.	3.7	40
31	Construction heuristics for generating tool paths for laser cutters. International Journal of Production Research, 2014, 52, 5965-5984.	4.9	39
32	A survey on demand-responsive public bus systems. Transportation Research Part C: Emerging Technologies, 2022, 137, 103573.	3.9	39
33	Solving the stochastic time-dependent orienteering problem with time windows. European Journal of Operational Research, 2016, 255, 699-718.	3.5	37
34	An iterative approach for reducing the impact of infrastructure maintenance on the performance of railway systems. European Journal of Operational Research, 2016, 252, 39-53.	3.5	35
35	Personalized Tourist Route Generation. Lecture Notes in Computer Science, 2010, , 486-497.	1.0	35
36	A memetic algorithm for the travelling salesperson problem with hotel selection. Computers and Operations Research, 2013, 40, 1716-1728.	2.4	34

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37	A two-phase algorithm for the cyclic inventory routing problem. <i>European Journal of Operational Research</i> , 2016, 254, 410-426.	3.5	33
38	Robust routing and timetabling in complex railway stations. <i>Transportation Research Part B: Methodological</i> , 2017, 101, 228-244.	2.8	28
39	Well-tuned algorithms for the Team Orienteering Problem with Time Windows. <i>Journal of the Operational Research Society</i> , 2017, 68, 861-876.	2.1	28
40	Robust railway station planning: An interaction between routing, timetabling and platforming. <i>Journal of Rail Transport Planning and Management</i> , 2013, 3, 68-77.	0.8	27
41	An Exact Algorithm for Agile Earth Observation Satellite Scheduling with Time-Dependent Profits. <i>Computers and Operations Research</i> , 2020, 120, 104946.	2.4	27
42	The time-dependent orienteering problem with time windows: a fast ant colony system. <i>Annals of Operations Research</i> , 2017, 254, 481-505.	2.6	26
43	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.	3.5	25
44	A matheuristic algorithm for the vehicle routing problem with cross-docking. <i>Applied Soft Computing Journal</i> , 2021, 103, 107163.	4.1	23
45	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.	3.5	21
46	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.	2.4	20
47	Cutting Path Optimization Using Tabu Search. <i>Key Engineering Materials</i> , 2011, 473, 739-748.	0.4	20
48	Considering a dynamic impact zone for real-time railway traffic management. <i>Transportation Research Part B: Methodological</i> , 2018, 111, 39-59.	2.8	20
49	Hybrid Approach for the Public Transportation Time Dependent Orienteering Problem with Time Windows. <i>Lecture Notes in Computer Science</i> , 2010, , 151-158.	1.0	20
50	Trip Planning Functionalities: State of the Art and Future. <i>Information Technology and Tourism</i> , 2010, 12, 305-315.	3.4	18
51	A Mobile Tourist Decision Support System for Small Footprint Devices. <i>Lecture Notes in Computer Science</i> , 2009, , 1248-1255.	1.0	18
52	Planning in tourism and public transportation. <i>4or</i> , 2009, 7, 293-296.	1.0	17
53	A survey on the transit network design and frequency setting problem. <i>Public Transport</i> , 2022, 14, 155-190.	1.7	17
54	Sheet Metal Laser Cutting Tool Path Generation: Dealing with Overlooked Problem Aspects. <i>Key Engineering Materials</i> , 0, 639, 517-524.	0.4	16

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55	A large neighborhood search algorithm to optimize a demand-responsive feeder service. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103102.	3.9	16
56	A fast metaheuristic for the travelling salesperson problem with hotel selection. <i>4or</i> , 2015, 13, 15-34.	1.0	15
57	Intelligent Routing System for a Personalised Electronic Tourist Guide. , 2009, , 185-197.		13
58	Solving the Agile Earth Observation Satellite Scheduling Problem With Time-Dependent Transition Times. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 1614-1625.	5.9	13
59	Automated platforming & routing of trains in all Belgian railway stations. <i>Expert Systems With Applications</i> , 2016, 62, 302-316.	4.4	11
60	Time dependent orienteering problem with time windows and service time dependent profits. <i>Computers and Operations Research</i> , 2022, 143, 105794.	2.4	10
61	A metaheuristic solution approach for the time-constrained project scheduling problem. <i>OR Spectrum</i> , 2017, 39, 353-371.	2.1	9
62	An Iterated Local Search Algorithm for Agile Earth Observation Satellite Scheduling Problem. , 2018, ,		8
63	Variable Neighbourhood Descent for Planning Crane Operations in a Train Terminal. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009, , 83-98.	0.3	8
64	Other Orienteering Problem Variants. <i>EURO Advanced Tutorials on Operational Research</i> , 2019, , 95-112.	0.6	8
65	Personalized Multi-day Trips to Touristic Regions: A Hybrid GA-VND Approach. <i>Lecture Notes in Computer Science</i> , 2014, , 194-205.	1.0	7
66	Optimization of supplements and buffer times in passenger robust timetabling. <i>Journal of Rail Transport Planning and Management</i> , 2017, 7, 171-186.	0.8	7
67	Large neighborhood search for the bike request scheduling problem. <i>International Transactions in Operational Research</i> , 2020, 27, 2695-2714.	1.8	6
68	Two-phase Matheuristic for the vehicle routing problem with reverse cross-docking. <i>Annals of Mathematics and Artificial Intelligence</i> , 2022, 90, 915-949.	0.9	6
69	The Multi-Vehicle Cyclic Inventory Routing Problem: Formulation and a Metaheuristic Approach. <i>Computers and Industrial Engineering</i> , 2021, 157, 107320.	3.4	6
70	Automated Parameterisation of a Metaheuristic for the Orienteering Problem. <i>Studies in Computational Intelligence</i> , 2008, , 255-269.	0.7	6
71	Definitions and Mathematical Models of Single Vehicle Routing Problems with Profits. <i>EURO Advanced Tutorials on Operational Research</i> , 2019, , 7-19.	0.6	6
72	Algorithm Selection for the Team Orienteering Problem. <i>Lecture Notes in Computer Science</i> , 2022, , 33-45.	1.0	5

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73	Towards a conflict prevention strategy applicable for real-time railway traffic management. Journal of Rail Transport Planning and Management, 2019, 11, 100139.	0.8	4
74	An Exact Solution Approach for the Bus Line Planning Problem with Integrated Passenger Routing. Journal of Advanced Transportation, 2021, 2021, 1-18.	0.9	4
75	State-of-the-Art Solution Techniques for OPTW and TOPTW. EURO Advanced Tutorials on Operational Research, 2019, , 67-81.	0.6	4
76	A Detailed Analysis of Two Metaheuristics for the Team Orienteering Problem. Lecture Notes in Computer Science, 2009, , 110-114.	1.0	3
77	A Matheuristic Iterative Approach for Profit-Oriented Line Planning Applied to the Chinese High-Speed Railway Network. Journal of Advanced Transportation, 2020, 2020, 1-18.	0.9	3
78	Designing bus line plans for realistic cases - the Utrecht case study. Expert Systems With Applications, 2022, 187, 115918.	4.4	3
79	Applications of the OP. EURO Advanced Tutorials on Operational Research, 2019, , 83-93.	0.6	3
80	A column generation algorithm for the demand-responsive feeder service with mandatory and optional, clustered bus-stops. Networks, 2022, 80, 274-296.	1.6	3
81	TouRS'15. , 2015, , .		2
82	The grid based approach, a fast local evaluation technique for line planning. 4or, 2022, 20, 603-635.	1.0	2
83	State-of-the-Art Solution Techniques for OP and TOP. EURO Advanced Tutorials on Operational Research, 2019, , 41-66.	0.6	2
84	Definitions and Mathematical Models of OP Variants. EURO Advanced Tutorials on Operational Research, 2019, , 21-32.	0.6	2
85	The design of a flexible bus line plan. Expert Systems With Applications, 2022, 203, 117352.	4.4	2
86	The Mobile Mapping Van Problem: a matheuristic for capacitated arc routing with soft time windows and depot selection. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1114-1119.	0.4	1
87	Practical Macroscopic Evaluation and Comparison of Railway Timetables. Transportation Research Procedia, 2015, 10, 625-633.	0.8	1
88	An Integrated Perspective on Traffic Management and Logistic Optimization. , 2015, , .		1
89	Simulated Annealing for the Multi-Vehicle Cyclic Inventory Routing Problem. , 2019, , .		1
90	Automated, Passenger Time Optimal, Robust Timetabling, Using Integer Programming. Lecture Notes in Electrical Engineering, 2012, , 87-92.	0.3	1

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91	Reducing logistic vehicle kilometers in a city area based on network changes. , 2017, , .		0
92	Simulated annealing for the single-vehicle cyclic inventory routing problem. , 2019, , .		0