Tom Van Woensel

List of Publications by Citations

142 papers	**6,177** citations
39 h-index	**76** g-index
150 ext. papers	**7,631** ext. citations
4.6 avg, IF	**6.59** L-index

#	Paper	IF	Citations
142	A review of recent research on green road freight transportation. *European Journal of Operational Research*, **2014**, 237, 775-793	5.6	461
141	An adaptive large neighborhood search heuristic for the Pollution-Routing Problem. *European Journal of Operational Research*, **2012**, 223, 346-359	5.6	369
140	Multimodal freight transportation planning: A literature review. *European Journal of Operational Research*, **2014**, 233, 1-15	5.6	363
139	50th Anniversary Invited Article⎯City Logistics: Challenges and Opportunities. *Transportation Science*, **2016**, 50, 579-590	4.4	316
138	The bi-objective Pollution-Routing Problem. *European Journal of Operational Research*, **2014**, 232, 464-478	5.6	297
137	A comparative analysis of several vehicle emission models for road freight transportation. *Transportation Research, Part D: Transport and Environment*, **2011**, 16, 347-357	6.4	239
136	The time-dependent pollution-routing problem. *Transportation Research Part B: Methodological*, **2013**, 56, 265-293	7.2	224
135	Analysis of Travel Times and CO2 Emissions in Time-Dependent Vehicle Routing. *Production and Operations Management*, **2012**, 21, 1060-1074	3.6	197
134	Vehicle routing problem with stochastic travel times including soft time windows and service costs. *Computers and Operations Research*, **2013**, 40, 214-224	4.6	139
133	Inventory control of perishables in supermarkets. *International Journal of Production Economics*, **2006**, 104, 462-472	9.3	134
132	The Share-a-Ride Problem: People and parcels sharing taxis. *European Journal of Operational Research*, **2014**, 238, 31-40	5.6	133
131	A selected review on the negative externalities of the freight transportation: Modeling and pricing. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 77, 95-114	9	129
130	Time-dependent vehicle routing problem with path flexibility. *Transportation Research Part B: Methodological*, **2017**, 95, 169-195	7.2	112
129	Vehicle routing with dynamic travel times: A queueing approach. *European Journal of Operational Research*, **2008**, 186, 990-1007	5.6	112
128	A break-even analysis of RFID technology for inventory sensitive to shrinkage. *International Journal of Production Economics*, **2008**, 112, 521-531	9.3	109
127	Ordering Behavior in Retail Stores and Implications for Automated Replenishment. *Management Science*, **2010**, 56, 766-784	3.9	105
126	A green intermodal service network design problem with travel time uncertainty. *Transportation Research Part B: Methodological*, **2016**, 93, 789-807	7.2	90

125	An adaptive large neighborhood search heuristic for the Pickup and Delivery Problem with Time Windows and Scheduled Lines. *Computers and Operations Research*, **2016**, 72, 12-30	4.6	83
124	A metaheuristic for the time-dependent pollution-routing problem. *European Journal of Operational Research*, **2017**, 259, 972-991	5.6	82
123	Vehicle routing with soft time windows and stochastic travel times: A column generation and branch-and-price solution approach. *European Journal of Operational Research*, **2014**, 236, 789-799	5.6	79
122	The time-dependent vehicle routing problem with soft time windows and stochastic travel times. *Transportation Research Part C: Emerging Technologies*, **2014**, 48, 66-83	8.4	78
121	SKU demand forecasting in the presence of promotions. *Expert Systems With Applications*, **2009**, 36, 12340812348	7.8	77
120	MODELING TRAFFIC FLOWS WITH QUEUEING MODELS: A REVIEW. *Asia-Pacific Journal of Operational Research*, **2007**, 24, 435-461	0.8	75
119	A queueing based traffic flow model. *Transportation Research, Part D: Transport and Environment*, **2000**, 5, 121-135	6.4	73
118	Consumer responses to shelf out-of-stocks of perishable products. *International Journal of Physical Distribution and Logistics Management*, **2007**, 37, 704-718	5.2	72
117	Branch and Price for the Time-Dependent Vehicle Routing Problem with Time Windows. *Transportation Science*, **2013**, 47, 380-396	4.4	68
116	An adaptive large neighborhood search heuristic for the share-a-ride problem. *Computers and Operations Research*, **2016**, 66, 170-180	4.6	60
115	Vehicle routing with stochastic time-dependent travel times. *4or*, **2009**, 7, 363-377	1.4	59
114	MANAGING THE ENVIRONMENTAL EXTERNALITIES OF TRAFFIC LOGISTICS: THE ISSUE OF EMISSIONS. *Production and Operations Management*, **2009**, 10, 207-223	3.6	58
113	Supply, demand, operations, and management of crowd-shipping services: A review and empirical evidence. *Transportation Research Part C: Emerging Technologies*, **2019**, 103, 83-103	8.4	54
112	The dial-a-ride problem with electric vehicles and battery swapping stations. *Transportation Research, Part E: Logistics and Transportation Review*, **2018**, 118, 392-420	9	50
111	Cloud manufacturing service selection optimization and scheduling with transportation considerations: mixed-integer programming models. *International Journal of Advanced Manufacturing Technology*, **2018**, 95, 43-70	3.2	49
110	Logistics drivers for shelf stacking in grocery retail stores: Potential for efficiency improvement. *International Journal of Production Economics*, **2009**, 121, 620-632	9.3	49
109	A Vehicle Routing Problem with Flexible Time Windows. *Computers and Operations Research*, **2014**, 52, 39-54	4.6	48
108	The Share-a-Ride problem with stochastic travel times and stochastic delivery locations. *Transportation Research Part C: Emerging Technologies*, **2016**, 67, 95-108	8.4	43

107	Empirical validation of a queueing approach to uninterrupted traffic flows. *4or*, **2006**, 4, 59-72	1.4	42
106	An Exact Approach for a Variant of the Pollution-Routing Problem. *Transportation Science*, **2017**, 51, 607-628		40
105	Sourcing strategies in supply risk management: An approximate dynamic programming approach. *Computers and Operations Research*, **2013**, 40, 1371-1382	4.6	40
104	Robust solutions to the pollution-routing problem with demand and travel time uncertainty. *Transportation Research, Part D: Transport and Environment*, **2017**, 51, 351-363	6.4	39
103	A scenario-based planning for the pickup and delivery problem with time windows, scheduled lines and stochastic demands. *Transportation Research Part B: Methodological*, **2016**, 91, 34-51	7.2	38
102	Self-imposed time windows in vehicle routing problems. *OR Spectrum*, **2015**, 37, 331-352	1.9	35
101	The green vehicle routing problem: A systematic literature review. *Journal of Cleaner Production*, **2021**, 279, 123691	10.3	34
100	Hybrid simulation and optimization approach for green intermodal transportation problem with travel time uncertainty. *Flexible Services and Manufacturing Journal*, **2018**, 30, 486-516	1.8	33
99	The Time Window Assignment Vehicle Routing Problem with Time-Dependent Travel Times. *Transportation Science*, **2018**, 52, 261-276	4.4	32
98	Buffer and throughput trade-offs in M/G/1/K queueing networks: A bi-criteria approach. *International Journal of Production Economics*, **2010**, 125, 224-234	9.3	31
97	Green Vehicle Routing. *Profiles in Operations Research*, **2016**, 243-265	1	30
96	A decision support system tool for the transportation by barge of import containers: A case study. *Decision Support Systems*, **2015**, 79, 33-45	5.6	30
95	The time-dependent pickup and delivery problem with time windows. *Transportation Research Part B: Methodological*, **2018**, 116, 1-24	7.2	30
94	Branch-and-Price-Based Algorithms for the Two-Echelon Vehicle Routing Problem with Time Windows. *Transportation Science*, **2019**, 53, 463-479	4.4	30
93	Buffer allocation in general single-server queueing networks. *Computers and Operations Research*, **2008**, 35, 3581-3598	4.6	29
92	On the mathematical modeling of green one-to-one pickup and delivery problem with road segmentation. *Journal of Cleaner Production*, **2018**, 174, 1664-1678	10.3	28
91	A competitive solution for cooperative truckload delivery. *OR Spectrum*, **2016**, 38, 51-80	1.9	27
90	From Managing Urban Freight to Smart City Logistics Networks. *Series on Computers and Operations Research*, **2017**, 143-188		26

89	Demand seasonality in retail inventory management. *European Journal of Operational Research*, **2014**, 238, 527-539	5.6	26
88	A new model and a hyper-heuristic approach for two-dimensional shelf space allocation. *4or*, **2013**, 11, 31-55	1.4	26
87	A stochastic approach to traffic congestion costs. *Computers and Operations Research*, **2009**, 36, 1731-1739	4.6	26
86	Topological network design of general, finite, multi-server queueing networks. *European Journal of Operational Research*, **2010**, 201, 427-441	5.6	26
85	Green intermodal freight transportation: bi-objective modelling and analysis. *International Journal of Production Research*, **2019**, 57, 6162-6180	7.8	25
84	Modelling alternative distribution set-ups for fragmented last mile transport: Towards more efficient and sustainable urban freight transport. *Case Studies on Transport Policy*, **2018**, 6, 125-132	2.7	25
83	Solving the vehicle routing problem with multi-compartment vehicles for city logistics. *Computers and Operations Research*, **2020**, 115, 104859	4.6	24
82	On the system optimum of traffic assignment in M/G/c/c state-dependent queueing networks. *European Journal of Operational Research*, **2010**, 201, 183-193	5.6	23
81	Branch-and-Price for the Pickup and Delivery Problem with Time Windows and Scheduled Lines. *Transportation Science*, **2018**, 52, 1191-1210	4.4	23
80	Modelling handling operations in grocery retail stores: an empirical analysis. *Journal of the Operational Research Society*, **2009**, 60, 200-214	2	22
79	Crowd-Based City Logistics **2019**, 381-400		22
78	Dynamic shortest path problems: Hybrid routing policies considering network disruptions. *Computers and Operations Research*, **2013**, 40, 2852-2863	4.6	21
77	Validating state-dependent queueing models for uninterrupted traffic flows using simulation. *4or*, **2006**, 4, 159-174	1.4	21
76	Stochastic Inventory Routing for Perishable Products. *Transportation Science*, **2018**, 52, 526-546	4.4	20
75	Strategic fleet planning for city logistics. *Transportation Research Part B: Methodological*, **2017**, 95, 19-40	7.2	20
74	A study on carbon reduction in the vehicle routing problem with simultaneous pickups and deliveries **2012**,		20
73	Buffer and server allocation in general multi-server queueing networks. *International Transactions in Operational Research*, **2010**, 17, 257-286	2.9	20
72	The dynamic shortest path problem with time-dependent stochastic disruptions. *Transportation Research Part C: Emerging Technologies*, **2018**, 92, 42-57	8.4	19

71	Performance optimization of open zero-buffer multi-server queueing networks. *Computers and Operations Research*, **2010**, 37, 1472-1487	4.6	19
70	Adaptive large neighborhood search for the time-dependent profitable pickup and delivery problem with time windows. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 138, 101942	9	18
69	The adoption of self-driving delivery robots in last mile logistics.. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 146, 102214	9	18
68	The time-dependent capacitated profitable tour problem with time windows and precedence constraints. *European Journal of Operational Research*, **2018**, 264, 1058-1073	5.6	17
67	Time-dependent vehicle routing subject to time delay perturbations. *IIE Transactions*, **2009**, 41, 1049-1066		16
66	A Queueing Framework for Routing Problems with Time-dependent Travel Times. *Mathematical Modelling and Algorithms*, **2007**, 6, 151-173		16
65	The pickup and delivery problem with time windows and scheduled lines. *Infor*, **2016**, 54, 147-167	0.5	15
64	A branch-and-price algorithm for the vehicle routing problem with time windows on a road network. *Networks*, **2019**, 73, 401-417	1.6	15
63	A study on the heterogeneous fleet of alternative fuel vehicles: Reducing CO_2 emissions by means of biodiesel fuel. *Transportation Research, Part D: Transport and Environment*, **2018**, 63, 137-155	6.4	14
62	An approach to the asymmetric multi-depot capacitated arc routing problem. *European Journal of Operational Research*, **2015**, 244, 100-109	5.6	13
61	Integrating autonomous delivery service into a passenger transportation system. *International Journal of Production Research*, **2021**, 59, 2116-2139	7.8	13
60	Approximating multi-objective scheduling problems. *Computers and Operations Research*, **2013**, 40, 1165-1175	4.6	12
59	Optimal server allocation in general, finite, multi-server queueing networks. *Applied Stochastic Models in Business and Industry*, **2010**, 26, 705-736	1.1	12
58	An adaptive large neighborhood search heuristic for the vehicle routing problem with time windows and delivery robots. *European Journal of Operational Research*, **2021**, 294, 1164-1180	5.6	12
57	The fuel replenishment problem: A split-delivery multi-compartment vehicle routing problem with multiple trips. *Computers and Operations Research*, **2020**, 118, 104904	4.6	11
56	A metaheuristic for the multimodal network flow problem with product quality preservation and empty repositioning. *Transportation Research Part B: Methodological*, **2017**, 106, 321-344	7.2	11
55	Finite Queueing Modeling and Optimization: A Selected Review. *Journal of Applied Mathematics*, **2014**, 2014, 1-11	1.1	11
54	Real-time disruption management approach for intermodal freight transportation. *Journal of Cleaner Production*, **2021**, 280, 124826	10.3	11

53	Collaborative replenishment in the presence of intermediaries. *European Journal of Operational Research*, **2018**, 266, 135-146	5.6	10
52	A continuous approximation approach to the planar hub location-routing problem: Modeling and solution algorithms. *Computers and Operations Research*, **2018**, 100, 140-154	4.6	10
51	Gain-sharing in urban consolidation centers. *European Journal of Operational Research*, **2019**, 279, 380-397	5.6	10
50	Traffic Intensity Estimation in Finite Markovian Queueing Systems. *Mathematical Problems in Engineering*, **2018**, 2018, 1-15	1.1	9
49	Special Issue on Recent Advances in Urban Transport and Logistics Through Optimization and Analytics. *Transportation Science*, **2019**, 53, 1-5	4.4	9
48	Capacitated network-flow approach to the evacuation-location problem. *Computers and Industrial Engineering*, **2018**, 115, 407-426	6.4	9
47	A deteriorating inventory routing problem for an inland liquefied natural gas distribution network. *Transportation Research Part B: Methodological*, **2019**, 126, 45-67	7.2	8
46	A Benders decomposition-based approach for logistics service network design. *European Journal of Operational Research*, **2020**, 286, 523-537	5.6	8
45	Multidepot Distribution Planning at Logistics Service Provider Nabuurs B.V.. *Interfaces*, **2014**, 44, 591-604	1.7	8
44	Using cost change estimates in a local search heuristic for the pollution routing problem. *OR Spectrum*, **2017**, 39, 557-587	1.9	8
43	A variant of the split vehicle routing problem with simultaneous deliveries and pickups for inland container shipping in dry-port based systems. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 142, 102057	9	8
42	Designing pricing and compensation schemes by integrating matching and routing models for crowd-shipping systems. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 149, 102209	9	8
41	Hybrid adaptive large neighborhood search algorithm for the mixed fleet heterogeneous dial-a-ride problem. *Journal of Heuristics*, **2020**, 26, 83-118	1.9	8
40	DAVINC3I: Towards Collaborative Responsive Logistics Networks in Floriculture. *Lecture Notes in Logistics*, **2016**, 37-53	0.5	7
39	On characterization of the core of lane covering games via dual solutions. *Operations Research Letters*, **2014**, 42, 505-508	1	7
38	Delivery systems with crowd-sourced drivers: A pickup and delivery problem with transfers. *Networks*, **2020**, 76, 232-255	1.6	7
37	A multi-commodity two-Echelon capacitated vehicle routing problem with time windows: Model formulations and solution approach. *Computers and Operations Research*, **2021**, 127, 105154	4.6	7
36	Optimal routing in general finite multi-server queueing networks. *PLoS ONE*, **2014**, 9, e102075	3.7	6

35	A Shortest-Path Algorithm for the Departure Time and Speed Optimization Problem. *Transportation Science*, **2018**, 52, 756-768	4.4	6
34	Solving a production-routing problem with price-dependent demand using an outer approximation method. *Computers and Operations Research*, **2020**, 123, 105019	4.6	5
33	Urban Freight Transportation: Challenges, Failures and Successes. *Lecture Notes in Logistics*, **2016**, 127-139	3.5	5
32	Optimizing e-commerce last-mile vehicle routing and scheduling under uncertain customer presence. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 148, 102263	9	5
31	Two-echelon vehicle routing problems: A literature review. *European Journal of Operational Research*, **2022**,	5.6	5
30	The secure time-dependent vehicle routing problem with uncertain demands. *Computers and Operations Research*, **2021**, 131, 105253	4.6	4
29	Competing through the last mile: Strategic 3D printing in a city logistics context. *Computers and Operations Research*, **2021**, 131, 105248	4.6	4
28	Multi-objective periodic cash transportation problem with path dissimilarity and arrival time variation. *Expert Systems With Applications*, **2021**, 164, 114015	7.8	4
27	Urban low emissions zones: A behavioral operations management perspective. *Transportation Research, Part A: Policy and Practice*, **2021**, 144, 222-240	3.7	4
26	Cover Inequalities for a Vehicle Routing Problem with Time Windows and Shifts. *Transportation Science*, **2019**, 53, 1354-1371	4.4	3
25	A Combined Liquefied Natural Gas Routing and Deteriorating Inventory Management Problem. *Lecture Notes in Computer Science*, **2015**, 91-104	0.9	3
24	An auction for collaborative vehicle routing: Models and algorithms. *EURO Journal on Transportation and Logistics*, **2020**, 9, 100009	2.4	3
23	Value Creation Through Green Vehicle Routing. *Operations Research/ Computer Science Interfaces Series*, **2018**, 63-78	0.3	3
22	Optimal inventory and timing decisions for emergency shipments. *IISE Transactions*, **2020**, 52, 904-925	3.3	3
21	A review of recent advances in the operations research literature on the green routing problem and its variants. *Annals of Operations Research*, **2021**, 304, 529-574	3.2	3
20	Hybrid evolutionary algorithms and Lagrangian relaxation for multi-period star hub median problem considering financial and service quality issues. *Engineering Applications of Artificial Intelligence*, **2021**, 97, 104056	7.2	3
19	Coordinated delivery in urban retail. *Transportation Research, Part E: Logistics and Transportation Review*, **2019**, 126, 122-148	9	2
18	Teaching Retail Operations in Business and Engineering Schools. *INFORMS Transactions on Education*, **2010**, 11, 29-34	0.3	2

List of Publications

17	Improvement Opportunities in Retail Logistics **2005**, 9-21		2
16	Methodological Approaches to Reliable and Green Intermodal Transportation. *Springer Optimization and Its Applications*, **2017**, 153-179	0.4	2
15	Container truck transportation routing as a Mixed Fleet Heterogeneous Dial-a-Ride Problem. *MATEC Web of Conferences*, **2020**, 312, 02005	0.3	2
14	Modelling traffic flows and estimating road travel times in transportation network under dynamic disturbances. *Transportation*, **2020**, 47, 2951-2980	4	2
13	Multi-modal transport of perishable products with demand uncertainty and empty repositioning: A scenario-based rolling horizon framework. *EURO Journal on Transportation and Logistics*, **2021**, 10, 100044	2.4	2
12	A risk-constrained time-dependent cash-in-transit routing problem in multigraph under uncertainty. *European Journal of Operational Research*, **2021**, 293, 703-730	5.6	2
11	The elderly centre location problem. *Journal of the Operational Research Society*, **2020**, 1-14	2	1
10	Mathematical modeling of CO2e emissions in one-to-one pickup and delivery problems **2013**,		1
9	Sample size calculation for method validation using linear regression. *Journal of Statistical Computation and Simulation*, **2007**, 77, 505-516	0.9	1
8	A novel risk perspective on location-routing planning: An application in cash transportation. *Transportation Research, Part E: Logistics and Transportation Review*, **2021**, 150, 102356	9	1
7	An Adaptive Large Neighborhood Search Heuristic for the Green Dial-a-Ride Problem **2019**, 1-26		1
6	The consistent vehicle routing problem considering path consistency in a road network. *Transportation Research Part B: Methodological*, **2021**, 153, 21-44	7.2	1
5	Using the proximal policy optimisation algorithm for solving the stochastic capacitated lot sizing problem. *International Journal of Production Research*, 1-24	7.8	0
4	The pickup and delivery problem with alternative locations and overlapping time windows. *Computers and Operations Research*, **2022**, 143, 105758	4.6	0
3	Comments on: Perspectives on integer programming for time-dependent models. *Top*, **2019**, 27, 180-183	1.3	
2	Omni-Channel Logistics **2021**, 184-189		
1	The Time-Dependent Vehicle Routing Problem with Time Windows and Road-Network Information. *SN Operations Research Forum*, **2021**, 2, 1	0.5	