Andr Langevin

List of Publications by Citations

58 papers	1,649 citations	25 h-index	39 g-index
61 ext. papers	1,916 ext. citations	4.2 avg, IF	4.8 L-index

#	Paper	IF	Citations
58	Continuous approximation models in freight distribution: An overview. *Transportation Research Part B: Methodological*, **1996**, 30, 163-188	7.2	121
57	Integrated scheduling of crane handling and truck transportation in a maritime container terminal. *European Journal of Operational Research*, **2013**, 225, 142-152	5.6	91
56	Scheduling and routing of automated guided vehicles: A hybrid approach. *Computers and Operations Research*, **2007**, 34, 1688-1707	4.6	87
55	A survey of models and algorithms for winter road maintenance. Part IV: Vehicle routing and fleet sizing for plowing and snow disposal. *Computers and Operations Research*, **2007**, 34, 258-294	4.6	75
54	Integrated production and material handling scheduling using mathematical programming and constraint programming. *European Journal of Operational Research*, **2006**, 175, 1818-1832	5.6	72
53	A two-commodity flow formulation for the traveling salesman and the makespan problems with time windows. *Networks*, **1993**, 23, 631-640	1.6	72
52	Classification of travelling salesman problem formulations. *Operations Research Letters*, **1990**, 9, 127-132	1	60
51	A survey of models and algorithms for winter road maintenance. Part I: system design for spreading and plowing. *Computers and Operations Research*, **2006**, 33, 209-238	4.6	58
50	Synchronized arc routing for snow plowing operations. *Computers and Operations Research*, **2012**, 39, 1432-1440	4.6	55
49	A survey of models and algorithms for winter road maintenance. Part III: Vehicle routing and depot location for spreading. *Computers and Operations Research*, **2007**, 34, 211-257	4.6	55
48	Inter-firm collaborations and supply chain coordination: review of key elements and case study. *Production Planning and Control*, **2014**, 25, 858-872	4.3	53
47	Vehicle Routing for Urban Snow Plowing Operations. *Transportation Science*, **2008**, 42, 44-56	4.4	52
46	The capacitated arc routing problem with refill points. *Operations Research Letters*, **2007**, 35, 45-53	1	40
45	A survey of models and algorithms for winter road maintenance. Part II: system design for snow disposal. *Computers and Operations Research*, **2006**, 33, 239-262	4.6	39
44	An exact algorithm and a metaheuristic for the multi-vehicle covering tour problem with a constraint on the number of vertices. *European Journal of Operational Research*, **2013**, 226, 211-220	5.6	37
43	The storage location assignment and interleaving problem in an automated storage/retrieval system with shared storage. *International Journal of Production Research*, **2010**, 48, 991-1011	7.8	35
42	Coping with risk management and fill rate in the loss-averse newsvendor model. *International Journal of Production Economics*, **2018**, 195, 296-310	9.3	34

41	A tabu search algorithm for the relocation problem in a warehousing system. *International Journal of Production Economics*, **2011**, 129, 147-156	9.3	30
40	Solving the multi-buyer joint replenishment problem with a modified genetic algorithm. *Transportation Research Part B: Methodological*, **2003**, 37, 291-299	7.2	30
39	Design of multiple-vehicle delivery tours satisfying time constraints. *Transportation Research Part B: Methodological*, **1989**, 23, 123-138	7.2	29
38	A robust optimization approach for the road network daily maintenance routing problem with uncertain service time. *Transportation Research, Part E: Logistics and Transportation Review*, **2016**, 85, 40-51	9	26
37	Optimizing road network daily maintenance operations with stochastic service and travel times. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 64, 88-102	9	26
36	The synchronized arc and node routing problem: Application to road marking. *Computers and Operations Research*, **2013**, 40, 1708-1715	4.6	25
35	A survey of models and algorithms for emergency response logistics in electric distribution systems. Part I: Reliability planning with fault considerations. *Computers and Operations Research*, **2013**, 40, 1895-1906	4.6	25
34	A survey of models and algorithms for emergency response logistics in electric distribution systems. Part II: Contingency planning level. *Computers and Operations Research*, **2013**, 40, 1907-1922	4.6	25
33	An exact algorithm and a metaheuristic for the generalized vehicle routing problem with flexible fleet size. *Computers and Operations Research*, **2014**, 43, 9-19	4.6	24
32	Road network monitoring: algorithms and a case study. *Computers and Operations Research*, **2006**, 33, 3494-3507	4.6	22
31	Value Analysis and Optimization of Reusable Containers at Canada Post. *Interfaces*, **2001**, 31, 3-15	0.7	22
30	Solving the close-enough arc routing problem. *Networks*, **2014**, 63, 107-118	1.6	20
29	Multiple yard cranes scheduling for loading operations in a container terminal. *Engineering Optimization*, **2011**, 43, 1205-1221	2	20
28	Scheduling of multi-buyer joint replenishments. *International Journal of Production Economics*, **2006**, 102, 132-142	9.3	19
27	A win-win collaboration approach for a two-echelon supply chain: a case study in the pulp and paper industry. *European Journal of Industrial Engineering*, **2010**, 4, 493	1.1	18
26	A HYBRID TRAVEL DISTANCE APPROXIMATION FOR A GIS-BASED DECISION SUPPORT SYSTEM. *Journal of Business Logistics*, **2001**, 22, 165-181	4.6	18
25	A hybrid variable neighborhood search for the Orienteering Problem with mandatory visits and exclusionary constraints. *Computers and Operations Research*, **2017**, 78, 408-419	4.6	17
24	Location arc routing problem with inventory constraints. *Computers and Operations Research*, **2016**, 76, 84-94	4.6	17

23	The multi-district team orienteering problem. *Computers and Operations Research*, **2014**, 41, 76-82	4.6	16
22	An Optimal Constraint Programming Approach to the Open-Shop Problem. *INFORMS Journal on Computing*, **2012**, 24, 228-244	2.4	16
21	Optimizing the location of material transfer stations within layout analysis. *International Journal of Production Economics*, **1991**, 22, 169-176	9.3	16
20	A multi-compartment vehicle routing problem in cold-chain distribution. *Computers and Operations Research*, **2019**, 111, 58-66	4.6	15
19	A Generalized Traveling Salesman Problem Approach to the Directed Clustered Rural Postman Problem. *Transportation Science*, **1997**, 31, 187-192	4.4	15
18	The sector design and assignment problem for snow disposal operations. *European Journal of Operational Research*, **2008**, 189, 508-525	5.6	15
17	Adaptive large neighborhood search for the periodic capacitated arc routing problem with inventory constraints. *Networks*, **2014**, 64, 125-139	1.6	12
16	Single-vendor multi-buyer supply chain coordination with stochastic demand. *International Journal of Production Economics*, **2018**, 206, 110-133	9.3	11
15	Periodic capacitated arc-routing problem with inventory constraints. *Journal of the Operational Research Society*, **2014**, 65, 1840-1852	2	10
14	Transfer batch sizing in flexible manufacturing systems. *Journal of Manufacturing Systems*, **1999**, 18, 140-151	9.1	9
13	Adaptive large neighborhood search algorithm for the rural postman problem with time windows. *Networks*, **2017**, 70, 44-59	1.6	8
12	The rescheduling arc routing problem. *International Transactions in Operational Research*, **2017**, 24, 1325-1346	2.3	8
11	Street-segment-based salt and abrasive prediction for winter maintenance using machine learning and GIS. *Transactions in GIS*, **2019**, 23, 48-69	2.1	7
10	Minimising the peak load in a shared storage system based on the duration-of-stay of unit loads. *International Journal of Shipping and Transport Logistics*, **2009**, 1, 20	1	7
9	Skeleton-based facility layout design using genetic algorithms. *Annals of Operations Research*, **1997**, 69, 85-104	3.2	7
8	A case study of combined winter road snow plowing and de-icer spreading. *Canadian Journal of Civil Engineering*, **2017**, 44, 1005-1013	1.3	5
7	Solving the large-scale min-max K-rural postman problem for snow plowing. *Networks*, **2017**, 70, 195-215	1.6	4
6	The Rural Postman Problem with time windows. *Networks*, **2014**, 64, 169-180	1.6	3

List of Publications

5	Le Problème De L'Optimisation De L'Entreposage Partage: Méthodes Exacte Et Heuristique. *Infor*, **1997**, 35, 138-153	0.5	3
4	A Decision Support System for Physical Distribution Planning. *Journal of Decision Systems*, **1992**, 1, 273-286	3.6	3
3	The mixed capacitated general routing problem with time-dependent demands. *Networks*, **2020**, 76, 467-484	1.6	3
2	Dynamique des relations interentreprises : mécanismes, barrières et cas pratique. *Revue Française De Gestion Industrielle*, **2008**, 27, 29-53		2
1	An inverse optimization approach for a capacitated vehicle routing problem. *European Journal of Operational Research*, **2021**, 295, 1087-1098	5.6	1