André Langevin

List of Publications by Year
in descending order

60 papers	2,208 citations	186209 28 h-index	233338 45 g-index
61 all docs	61 docs citations	61 times ranked	1553 citing authors

#	Article	IF	Citations
1	Continuous approximation models in freight distribution: An overview. Transportation Research Part B: Methodological, 1996, 30, 163-188.	2.8	154
2	Scheduling and routing of automated guided vehicles: A hybrid approach. Computers and Operations Research, 2007, 34, 1688-1707.	2.4	128
3	Integrated scheduling of crane handling and truck transportation in a maritime container terminal. European Journal of Operational Research, 2013, 225, 142-152.	3.5	123
4	Integrated production and material handling scheduling using mathematical programming and constraint programming. European Journal of Operational Research, 2006, 175, 1818-1832.	3.5	100
5	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.	2.4	92
6	A two-commodity flow formulation for the traveling salesman and the makespan problems with time windows. Networks, 1993, 23, 631-640.	1.6	84
7	Synchronized arc routing for snow plowing operations. Computers and Operations Research, 2012, 39, 1432-1440.	2.4	77
8	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.	2.4	73
9	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.	2.4	72
10	Vehicle Routing for Urban Snow Plowing Operations. Transportation Science, 2008, 42, 44-56.	2.6	68
11	Classification of travelling salesman problem formulations. Operations Research Letters, 1990, 9, 127-132.	0.5	67
12	Inter-firm collaborations and supply chain coordination: review of key elements and case study. Production Planning and Control, 2014, 25, 858-872.	5.8	66
13	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.	3.5	50
14	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.	2.4	49
15	The capacitated arc routing problem with refill points. Operations Research Letters, 2007, 35, 45-53.	0.5	46
16	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.	4.9	46
17	Coping with risk management and fill rate in the loss-averse newsvendor model. International Journal of Production Economics, 2018, 195, 296-310.	5.1	46
18	A tabu search algorithm for the relocation problem in a warehousing system. International Journal of Production Economics, 2011, 129, 147-156.	5.1	43

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19	A multi-compartment vehicle routing problem in cold-chain distribution. Computers and Operations Research, 2019, 111, 58-66.	2.4	41
20	Value Analysis and Optimization of Reusable Containers at Canada Post. Interfaces, 2001, 31, 3-15.	1.6	40
21	Solving the multi-buyer joint replenishment problem with a modified genetic algorithm. Transportation Research Part B: Methodological, 2003, 37, 291-299.	2.8	37
22	The synchronized arc and node routing problem: Application to road marking. Computers and Operations Research, 2013, 40, 1708-1715.	2.4	37
23	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.	2.4	37
24	Optimizing road network daily maintenance operations with stochastic service and travel times. Transportation Research, Part E: Logistics and Transportation Review, 2014, 64, 88-102.	3.7	37
25	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.	3.7	36
26	An exact algorithm and a metaheuristic for the generalized vehicle routing problem with flexible fleet size. Computers and Operations Research, 2014, 43, 9-19.	2.4	35
27	Design of multiple-vehicle delivery tours satisfying time constraints. Transportation Research Part B: Methodological, 1989, 23, 123-138.	2.8	34
28	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.	2.4	34
29	Road network monitoring: algorithms and a case study. Computers and Operations Research, 2006, 33, 3494-3507.	2.4	27
30	Multiple yard cranes scheduling for loading operations in a container terminal. Engineering Optimization, 2011, 43, 1205-1221.	1.5	27
31	An Optimal Constraint Programming Approach to the Open-Shop Problem. INFORMS Journal on Computing, 2012, 24, 228-244.	1.0	27
32	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.	0.5	26
33	Solving the close‐enough arc routing problem. Networks, 2014, 63, 107-118.	1.6	25
34	Scheduling of multi-buyer joint replenishments. International Journal of Production Economics, 2006, 102, 132-142.	5.1	23
35	A hybrid variable neighborhood search for the Orienteering Problem with mandatory visits and exclusionary constraints. Computers and Operations Research, 2017, 78, 408-419.	2.4	23
36	Location arc routing problem with inventory constraints. Computers and Operations Research, 2016, 76, 84-94.	2.4	22

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37	A Generalized Traveling Salesman Problem Approach to the Directed Clustered Rural Postman Problem. Transportation Science, 1997, 31, 187-192.	2.6	21
38	The multi-district team orienteering problem. Computers and Operations Research, 2014, 41, 76-82.	2.4	21
39	A HYBRID TRAVEL DISTANCE APPROXIMATION FOR A GIS‐BASED DECISION SUPPORT SYSTEM. Journal of Business Logistics, 2001, 22, 165-181.	7.0	19
40	The sector design and assignment problem for snow disposal operations. European Journal of Operational Research, 2008, 189, 508-525.	3.5	19
41	Single-vendor multi-buyer supply chain coordination with stochastic demand. International Journal of Production Economics, 2018, 206, 110-133.	5.1	17
42	Optimizing the location of material transfer stations within layout analysis. International Journal of Production Economics, 1991, 22, 169-176.	5.1	16
43	Periodic capacitated arc-routing problem with inventory constraints. Journal of the Operational Research Society, 2014, 65, 1840-1852.	2.1	14
44	The rescheduling arc routing problem. International Transactions in Operational Research, 2017, 24, 1325-1346.	1.8	14
45	Adaptive large neighborhood search for the periodic capacitated arc routing problem with inventory constraints. Networks, 2014, 64, 125-139.	1.6	13
46	Transfer batch sizing in flexible manufacturing systems. Journal of Manufacturing Systems, 1999, 18, 140-151.	7.6	11
47	Adaptive large neighborhood search algorithm for the rural postman problem with time windows. Networks, 2017, 70, 44-59.	1.6	10
48	A case study of combined winter road snow plowing and de-icer spreading. Canadian Journal of Civil Engineering, 2017, 44, 1005-1013.	0.7	10
49	Skeleton-based facility layout design using genetic algorithms. Annals of Operations Research, 1997, 69, 85-104.	2.6	9
50	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.	0.2	9
51	Solving the large‐scale min‐max K‐rural postman problem for snow plowing. Networks, 2017, 70, 195-215.	1.6	9
52	Street‐segment‐based salt and abrasive prediction for winter maintenance using machine learning and GIS. Transactions in GIS, 2019, 23, 48-69.	1.0	9
53	An inverse optimization approach for a capacitated vehicle routing problem. European Journal of Operational Research, 2021, 295, 1087-1098.	3.5	9
54	The mixed capacitated general routing problem with time‐dependent demands. Networks, 2020, 76, 467-484.	1.6	5

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55	The Rural Postman Problem with time windows. Networks, 2014, 64, 169-180.	1.6	4
56	A Decision Support System for Physical Distribution Planning. Journal of Decision Systems, 1992, 1, 273-286.	2.2	3
57	Le Problème De L'Optimisation De L'Entreposage Partage: Méthodes Exacte Et Heuristique. Infor, 1997, 35, 138-153.	0.5	3
58	Dynamique des relations interentreprises : mécanismes, barrières et cas pratique. Revue Française De Gestion Industrielle, 2008, 27, 29-53.	0.1	2
59	The Snow Disposal Assignment Problem. Journal of the Operational Research Society, 1995, 46, 919-929.	2.1	2
60	A Branch-and-Price-and-Cut Algorithm for the Vehicle Routing Problem with Two-Dimensional Loading Constraints. Transportation Science, 0, , .	2.6	1