

Andr Langevin

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.

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	An inverse optimization approach for a capacitated vehicle routing problem. <i>European Journal of Operational Research</i> , 2021 , 295, 1087-1098	5.6	1
57	The mixed capacitated general routing problem with time-dependent demands. <i>Networks</i> , 2020 , 76, 467-484	1.6	3
56	A multi-compartment vehicle routing problem in cold-chain distribution. <i>Computers and Operations Research</i> , 2019 , 111, 58-66	4.6	15
55	Street-segment-based salt and abrasive prediction for winter maintenance using machine learning and GIS. <i>Transactions in GIS</i> , 2019 , 23, 48-69	2.1	7
54	Coping with risk management and fill rate in the loss-averse newsvendor model. <i>International Journal of Production Economics</i> , 2018 , 195, 296-310	9.3	34
53	Single-vendor multi-buyer supply chain coordination with stochastic demand. <i>International Journal of Production Economics</i> , 2018 , 206, 110-133	9.3	11
52	A hybrid variable neighborhood search for the Orienteering Problem with mandatory visits and exclusionary constraints. <i>Computers and Operations Research</i> , 2017 , 78, 408-419	4.6	17
51	Adaptive large neighborhood search algorithm for the rural postman problem with time windows. <i>Networks</i> , 2017 , 70, 44-59	1.6	8
50	Solving the large-scale min-max K-rural postman problem for snow plowing. <i>Networks</i> , 2017 , 70, 195-215	1.6	4
49	A case study of combined winter road snow plowing and de-icer spreading. <i>Canadian Journal of Civil Engineering</i> , 2017 , 44, 1005-1013	1.3	5
48	The rescheduling arc routing problem. <i>International Transactions in Operational Research</i> , 2017 , 24, 1325-1346	13.46	8
47	Location arc routing problem with inventory constraints. <i>Computers and Operations Research</i> , 2016 , 76, 84-94	4.6	17
46	A robust optimization approach for the road network daily maintenance routing problem with uncertain service time. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 85, 40-51	9	26
45	The multi-district team orienteering problem. <i>Computers and Operations Research</i> , 2014 , 41, 76-82	4.6	16
44	Solving the close-enough arc routing problem. <i>Networks</i> , 2014 , 63, 107-118	1.6	20
43	Inter-firm collaborations and supply chain coordination: review of key elements and case study. <i>Production Planning and Control</i> , 2014 , 25, 858-872	4.3	53
42	Periodic capacitated arc-routing problem with inventory constraints. <i>Journal of the Operational Research Society</i> , 2014 , 65, 1840-1852	2	10

41	Adaptive large neighborhood search for the periodic capacitated arc routing problem with inventory constraints. <i>Networks</i> , 2014 , 64, 125-139	1.6	12
40	The Rural Postman Problem with time windows. <i>Networks</i> , 2014 , 64, 169-180	1.6	3
39	Optimizing road network daily maintenance operations with stochastic service and travel times. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 64, 88-102	9	26
38	An exact algorithm and a metaheuristic for the generalized vehicle routing problem with flexible fleet size. <i>Computers and Operations Research</i> , 2014 , 43, 9-19	4.6	24
37	The synchronized arc and node routing problem: Application to road marking. <i>Computers and Operations Research</i> , 2013 , 40, 1708-1715	4.6	25
36	A survey of models and algorithms for emergency response logistics in electric distribution systems. Part I: Reliability planning with fault considerations. <i>Computers and Operations Research</i> , 2013 , 40, 1895-1906	4.6	25
35	A survey of models and algorithms for emergency response logistics in electric distribution systems. Part II: Contingency planning level. <i>Computers and Operations Research</i> , 2013 , 40, 1907-1922	4.6	25
34	An exact algorithm and a metaheuristic for the multi-vehicle covering tour problem with a constraint on the number of vertices. <i>European Journal of Operational Research</i> , 2013 , 226, 211-220	5.6	37
33	Integrated scheduling of crane handling and truck transportation in a maritime container terminal. <i>European Journal of Operational Research</i> , 2013 , 225, 142-152	5.6	91
32	Synchronized arc routing for snow plowing operations. <i>Computers and Operations Research</i> , 2012 , 39, 1432-1440	4.6	55
31	An Optimal Constraint Programming Approach to the Open-Shop Problem. <i>INFORMS Journal on Computing</i> , 2012 , 24, 228-244	2.4	16
30	Multiple yard cranes scheduling for loading operations in a container terminal. <i>Engineering Optimization</i> , 2011 , 43, 1205-1221	2	20
29	A tabu search algorithm for the relocation problem in a warehousing system. <i>International Journal of Production Economics</i> , 2011 , 129, 147-156	9.3	30
28	A win-win collaboration approach for a two-echelon supply chain: a case study in the pulp and paper industry. <i>European Journal of Industrial Engineering</i> , 2010 , 4, 493	1.1	18
27	The storage location assignment and interleaving problem in an automated storage/retrieval system with shared storage. <i>International Journal of Production Research</i> , 2010 , 48, 991-1011	7.8	35
26	Minimising the peak load in a shared storage system based on the duration-of-stay of unit loads. <i>International Journal of Shipping and Transport Logistics</i> , 2009 , 1, 20	1	7
25	Vehicle Routing for Urban Snow Plowing Operations. <i>Transportation Science</i> , 2008 , 42, 44-56	4.4	52
24	The sector design and assignment problem for snow disposal operations. <i>European Journal of Operational Research</i> , 2008 , 189, 508-525	5.6	15

23	Dynamique des relations interentreprises : mécanismes, barrières et cas pratique. <i>Revue Française De Gestion Industrielle</i> , 2008 , 27, 29-53		2
22	Scheduling and routing of automated guided vehicles: A hybrid approach. <i>Computers and Operations Research</i> , 2007 , 34, 1688-1707	4.6	87
21	The capacitated arc routing problem with refill points. <i>Operations Research Letters</i> , 2007 , 35, 45-53	1	40
20	A survey of models and algorithms for winter road maintenance. Part III: Vehicle routing and depot location for spreading. <i>Computers and Operations Research</i> , 2007 , 34, 211-257	4.6	55
19	A survey of models and algorithms for winter road maintenance. Part IV: Vehicle routing and fleet sizing for plowing and snow disposal. <i>Computers and Operations Research</i> , 2007 , 34, 258-294	4.6	75
18	A survey of models and algorithms for winter road maintenance. Part I: system design for spreading and plowing. <i>Computers and Operations Research</i> , 2006 , 33, 209-238	4.6	58
17	Road network monitoring: algorithms and a case study. <i>Computers and Operations Research</i> , 2006 , 33, 3494-3507	4.6	22
16	Integrated production and material handling scheduling using mathematical programming and constraint programming. <i>European Journal of Operational Research</i> , 2006 , 175, 1818-1832	5.6	72
15	A survey of models and algorithms for winter road maintenance. Part II: system design for snow disposal. <i>Computers and Operations Research</i> , 2006 , 33, 239-262	4.6	39
14	Scheduling of multi-buyer joint replenishments. <i>International Journal of Production Economics</i> , 2006 , 102, 132-142	9.3	19
13	Solving the multi-buyer joint replenishment problem with a modified genetic algorithm. <i>Transportation Research Part B: Methodological</i> , 2003 , 37, 291-299	7.2	30
12	A HYBRID TRAVEL DISTANCE APPROXIMATION FOR A GIS-BASED DECISION SUPPORT SYSTEM. <i>Journal of Business Logistics</i> , 2001 , 22, 165-181	4.6	18
11	Value Analysis and Optimization of Reusable Containers at Canada Post. <i>Interfaces</i> , 2001 , 31, 3-15	0.7	22
10	Transfer batch sizing in flexible manufacturing systems. <i>Journal of Manufacturing Systems</i> , 1999 , 18, 140-151	9.1	9
9	A Generalized Traveling Salesman Problem Approach to the Directed Clustered Rural Postman Problem. <i>Transportation Science</i> , 1997 , 31, 187-192	4.4	15
8	Le Problème De L'Optimisation De L'Entreposage Partage: Méthodes Exacte Et Heuristique. <i>Infor</i> , 1997 , 35, 138-153	0.5	3
7	Skeleton-based facility layout design using genetic algorithms. <i>Annals of Operations Research</i> , 1997 , 69, 85-104	3.2	7
6	Continuous approximation models in freight distribution: An overview. <i>Transportation Research Part B: Methodological</i> , 1996 , 30, 163-188	7.2	121

5	A two-commodity flow formulation for the traveling salesman and the makespan problems with time windows. <i>Networks</i> , 1993 , 23, 631-640	1.6	72
4	A Decision Support System for Physical Distribution Planning. <i>Journal of Decision Systems</i> , 1992 , 1, 273-286	3	
3	Optimizing the location of material transfer stations within layout analysis. <i>International Journal of Production Economics</i> , 1991 , 22, 169-176	9.3	16
2	Classification of travelling salesman problem formulations. <i>Operations Research Letters</i> , 1990 , 9, 127-132	60	
1	Design of multiple-vehicle delivery tours satisfying time constraints. <i>Transportation Research Part B: Methodological</i> , 1989 , 23, 123-138	7.2	29