

# Martin TrÃ©panier

## List of Publications by Year in descending order

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93  
papers

2,992  
citations

257101

24  
h-index

182168

51  
g-index

93  
all docs

93  
docs citations

93  
times ranked

2151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving the clustered traveling salesman problem with a relaxed priority rule. <i>International Transactions in Operational Research</i> , 2022, 29, 837-853.	1.8	8
2	Smart Urban Mobility System Evaluation Model Adaptation to Vilnius, Montreal and Weimar Cities. <i>Sustainability</i> , 2022, 14, 715.	1.6	7
3	Real-Time Forecasting of Metro Origin-Destination Matrices with High-Order Weighted Dynamic Mode Decomposition. <i>Transportation Science</i> , 2022, 56, 904-918.	2.6	15
4	Criteria to prioritize opportunities to shift paratransit trips to regular transit network – Montreal case study. <i>Journal of Transport and Health</i> , 2022, 24, 101338.	1.1	1
5	From computer-aided transit scheduling to systems and surveys in public transport. <i>Public Transport</i> , 2022, 14, 1-3.	1.7	1
6	Probabilistic model for destination inference and travel pattern mining from smart card data. <i>Transportation</i> , 2021, 48, 2035-2053.	2.1	23
7	Assessment of physical work demands of long-distance industrial gas delivery truck drivers. <i>Applied Ergonomics</i> , 2021, 90, 103224.	1.7	6
8	Transit network design using a genetic algorithm with integrated road network and disaggregated O-D demand data. <i>Transportation</i> , 2021, 48, 95-130.	2.1	15
9	Measuring Changes in Multimodal Travel Behavior Resulting from Transport Supply Improvement. <i>Transportation Research Record</i> , 2021, 2675, 533-546.	1.0	7
10	Forecasting a customer's Next Time Under Safety Stock. <i>International Journal of Production Economics</i> , 2021, 234, 108044.	5.1	3
11	Space-time classification of public transit smart card users' activity locations from smart card data. <i>Public Transport</i> , 2021, 13, 579-595.	1.7	6
12	Incorporating travel behavior regularity into passenger flow forecasting. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103200.	3.9	23
13	Robust optimization for the hierarchical mixed capacitated general routing problem applied to winter road maintenance. <i>Computers and Industrial Engineering</i> , 2021, 158, 107396.	3.4	7
14	Participation in Shared Mobility: An Analysis of the Influence of Walking and Public Transport Accessibility to Vehicles on Carsharing Membership in Montreal, Canada. <i>Transportation Research Record</i> , 2021, 2675, 1160-1171.	1.0	2
15	Ergonomic Assessment of Exposure to Musculoskeletal Disorders Risk Factors Among Canadian Truck Drivers. <i>Lecture Notes in Networks and Systems</i> , 2021, , 829-836.	0.5	0
16	A classification of public transit users with smart card data based on time series distance metrics and a hierarchical clustering method. <i>Transportmetrica A: Transport Science</i> , 2020, 16, 56-75.	1.3	48
17	Assessment of physical work demand of short distance industrial gas delivery truck drivers. <i>Applied Ergonomics</i> , 2020, 89, 103222.	1.7	3
18	Predicting Carsharing Station-Based Trip Generation Using a Growth Model. <i>Transportation Research Procedia</i> , 2020, 48, 1466-1477.	0.8	3

#	ARTICLE	IF	CITATIONS
19	The mixed capacitated general routing problem with timeâ€dependent demands. <i>Networks</i> , 2020, 76, 467-484.	1.6	5
20	Assessing longitudinal stability of public transport users with smart card data. <i>Transportation Research Procedia</i> , 2020, 48, 1364-1375.	0.8	2
21	Characterising Annual Behaviour of Carsharing Users in Montreal. <i>Transportation Research Procedia</i> , 2020, 48, 1435-1449.	0.8	1
22	Adjusting Dwell Time for Paratransit Services. <i>Transportation Research Record</i> , 2020, 2674, 638-648.	1.0	5
23	Evaluation Criteria of Smart City Mobility System Using MCDM Method. <i>Baltic Journal of Road and Bridge Engineering</i> , 2020, 15, 196-224.	0.4	28
24	Analyzing Transit User Behavior with 51 Weeks of Smart Card Data. <i>Transportation Research Record</i> , 2019, 2673, 33-45.	1.0	27
25	Assessing the Evolution of Transit User Behavior from Smart Card Data. <i>Transportation Research Record</i> , 2019, 2673, 184-194.	1.0	14
26	Streetâ€segmentâ€based salt and abrasive prediction for winter maintenance using machine learning and GIS. <i>Transactions in GIS</i> , 2019, 23, 48-69.	1.0	9
27	Exploring Service Usage and Activity Space Evolution in a Free-Floating Carsharing Service. <i>Transportation Research Record</i> , 2019, 2673, 36-49.	1.0	8
28	Modeling bus bunching using massive location and fare collection data. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2019, 23, 332-344.	2.6	20
29	Measuring the quality and diversity of transit alternatives. <i>Transport Policy</i> , 2018, 61, 51-59.	3.4	9
30	Assessing the public transport travel behavior consistency from smart card data. <i>Transportation Research Procedia</i> , 2018, 32, 44-53.	0.8	10
31	Comparing multiple data streams to assess free-floating carsharing use. <i>Transportation Research Procedia</i> , 2018, 32, 617-626.	0.8	6
32	Using 5 parallel passive data streams to report on a wide range of mobility options. <i>Transportation Research Procedia</i> , 2018, 32, 82-92.	0.8	5
33	Risk factors associated with self-reported musculoskeletal pain among short and long distance industrial gas delivery truck drivers. <i>Applied Ergonomics</i> , 2018, 72, 69-87.	1.7	37
34	Analyzing year-to-year changes in public transport passenger behaviour using smart card data. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 79, 274-289.	3.9	134
35	A visual segmentation method for temporal smart card data. <i>Transportmetrica A: Transport Science</i> , 2017, 13, 381-404.	1.3	33
36	Solving the largeâ€scale minâ€max Kâ€rural postman problem for snow plowing. <i>Networks</i> , 2017, 70, 195-215.	1.6	9

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37	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
38	Electric and hybrid car use in a free-floating carsharing system. International Journal of Sustainable Transportation, 2017, 11, 161-169.	2.1	35
39	Carsharing Versus Bikesharing. Transportation Research Record, 2017, 2650, 112-122.	1.0	18
40	Short & long term forecasting of multimodal transport passenger flows with machine learning methods. , 2017, , .		45
41	What about Free-Floating Carsharing?. Transportation Research Record, 2016, 2563, 28-36.	1.0	18
42	Innovative GTFS Data Application for Transit Network Analysis Using a Graph-Oriented Method. Journal of Public Transportation, 2016, 19, 18-37.	0.3	16
43	Challenges in Spatial-Temporal Data Analysis Targeting Public Transport. IFAC-PapersOnLine, 2015, 48, 442-447.	0.5	11
44	A case study of snow plow routing using an adaptive large hood search metaheuristic. Transportation Letters, 2015, 7, 201-209.	1.8	13
45	Workshop Synthesis: System Based Passive Data Streams Systems; Smart Cards, Phone Data, GPS. Transportation Research Procedia, 2015, 11, 340-349.	0.8	8
46	Estimating the Destination of Unlinked Trips in Transit Smart Card Fare Data. Transportation Research Record, 2015, 2535, 97-104.	1.0	33
47	Revisiting the destination ranking procedure in development of an Intervening Opportunities Model for public transit trip distribution. Journal of Geographical Systems, 2015, 17, 61-81.	1.9	6
48	Assessing Impact of Carsharing on Household Car Ownership in Montreal, Quebec, Canada. Transportation Research Record, 2014, 2416, 48-55.	1.0	33
49	Application of an independent availability logit model (IAL) for route choice modelling: Considering bridge choice as a key determinant of selected routes for commuting in Montreal. Journal of Choice Modelling, 2013, 9, 14-26.	1.2	12
50	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
51	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
52	How Carsharing Affects the Travel Behavior of Households: A Case Study of Montr�al, Canada. International Journal of Sustainable Transportation, 2013, 7, 52-69.	2.1	112
53	Integrated Intervening Opportunities Model for Public Transit Trip Generation "Distribution. Transportation Research Record, 2013, 2350, 47-57.	1.0	9
54	Unraveling the Travel Behavior of Carsharing Members from Global Positioning System Traces. Transportation Research Record, 2013, 2359, 59-67.	1.0	20

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55	Are transit users loyal? Revelations from a hazard model based on smart card data. Canadian Journal of Civil Engineering, 2012, 39, 610-618.	0.7	42
56	Detection of Activities of Public Transport Users by Analyzing Smart Card Data. Transportation Research Record, 2012, 2276, 48-55.	1.0	107
57	Integrating parking behaviour in activity-based travel demand modelling: Investigation of the relationship between parking type choice and activity scheduling process. Transportation Research, Part A: Policy and Practice, 2012, 46, 154-166.	2.0	25
58	Modeling isoexposure to transit users for market potential analysis. Transportation Research, Part A: Policy and Practice, 2012, 46, 1517-1527.	2.0	5
59	Geodemographic analysis and the identification of potential business partnerships enabled by transit smart cards. Transportation Research, Part A: Policy and Practice, 2011, 45, 640-652.	2.0	30
60	Walking to transit: An unexpected source of physical activity. Transport Policy, 2011, 18, 800-806.	3.4	74
61	Enhancing the Value of an Incidents Database with an Interactive Visualization Tool. , 2011, , .		0
62	Organizational safety practices of hazardous materials carriers. Transportation Letters, 2011, 3, 149-159.	1.8	4
63	Demographic Analysis of Route Choice for Public Transit. Transportation Research Record, 2011, 2217, 71-78.	1.0	12
64	Smart card data use in public transit: A literature review. Transportation Research Part C: Emerging Technologies, 2011, 19, 557-568.	3.9	684
65	A bi-level representational model of hazardous material supply chains. International Journal of Logistics Systems and Management, 2010, 6, 380.	0.2	0
66	Strategic simulation of the energy management in a Kraft mill. Energy Conversion and Management, 2010, 51, 988-997.	4.4	16
67	Bridging the gap between complex data and decision-makers: an example of an innovative interactive tool. Transportation Planning and Technology, 2010, 33, 465-479.	0.9	2
68	Travel time reliability on a highway network: estimations using floating car data. Transportation Letters, 2010, 2, 27-37.	1.8	16
69	Safety management in hazardous materials logistics. Transportation Letters, 2010, 2, 13-25.	1.8	9
70	A heuristic method for the capacitated arc routing problem with refill points and multiple loads. Journal of the Operational Research Society, 2010, 61, 1095-1103.	2.1	11
71	Cross-analysis of hazmat road accidents using multiple databases. Accident Analysis and Prevention, 2009, 41, 1192-1198.	3.0	24
72	Integration of inventory and transportation decisions in decentralised supply chains. International Journal of Logistics Systems and Management, 2009, 5, 249.	0.2	31

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73	Driver-Assisted Bus Interview. Transportation Research Record, 2009, 2105, 1-10.	1.0	23
74	Calculation of Transit Performance Measures Using Smartcard Data. Journal of Public Transportation, 2009, 12, 79-96.	0.3	52
75	Object-Oriented Analysis of Carsharing System. Transportation Research Record, 2008, 2063, 105-112.	1.0	20
76	Economic Assessment of Rural District Heating by Bio-Steam Supplied by a Paper Mill in Canada. Bulletin of Science, Technology and Society, 2008, 28, 159-173.	1.1	22
77	Individual Trip Destination Estimation in a Transit Smart Card Automated Fare Collection System. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2007, 11, 1-14.	2.6	282
78	Car sharing system: what transaction datasets reveal on users' behaviors. , 2007, , .		33
79	Assessing the effect of distribution system O&M on water quality. Journal - American Water Works Association, 2007, 99, 77-91.	0.2	5
80	Measuring transit use variability with smart-card data. Transport Policy, 2007, 14, 193-203.	3.4	212
81	The capacitated arc routing problem with refill points. Operations Research Letters, 2007, 35, 45-53.	0.5	46
82	A GIS-based tool for distribution system data integration and analysis. Journal of Hydroinformatics, 2006, 8, 13-24.	1.1	6
83	DESTINATION ESTIMATION FROM PUBLIC TRANSPORT SMARTCARD DATA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 393-398.	0.4	12
84	MINING PUBLIC TRANSPORT USER BEHAVIOUR FROM SMART CARD DATA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 399-404.	0.4	115
85	Road network monitoring: algorithms and a case study. Computers and Operations Research, 2006, 33, 3494-3507.	2.4	27
86	Models for integrated resource and operation scheduling. Computer Aided Chemical Engineering, 2005, 20, 1633-1638.	0.3	0
87	Can Trip Planner Log Files Analysis Help in Transit Service Planning?. Journal of Public Transportation, 2005, 8, 79-103.	0.3	12
88	DifficultÃ©s liÃ©es Ã l'intÃ©gration de la gestion des ressources dans le pilotage des opÃ©rations. Journal European Des Systemes Automatises, 2004, 38, 773-795.	0.3	1
89	Les logiciels d'enquÃªte transport comme instruments incontournables de la planification analytique. Recherche - Transports - Securite, 2001, 70, 59-77.	0.1	1
90	Development of an Interactive Analyzer to Identify Sources of Water Quality Problems in Distribution Systems. , 2001, , 1.		0

#	ARTICLE	IF	CITATIONS
91	Analyse orientée-objet et totalement automatisée des données d'enquêtes ménages origine-destination. Canadian Journal of Civil Engineering, 2001, 28, 48-58.	0.7	17
92	Latent stage model for carsharing usage frequency estimation with Montréal case study. Transportation, 0, , 1.	2.1	1
93	Transit Path Calculation Supported by Special Geographic Information System-Transit Information System. , 0, .		3