

# Martin Trpanier

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1633170/martin-trepanier-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

2,221

citations

22

h-index

46

g-index

93

ext. papers

2,581

ext. citations

3.7

avg, IF

5.38

L-index

#	Paper	IF	Citations
88	Smart card data use in public transit: A literature review. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2011</b> , 19, 557-568	8.4	561
87	Individual Trip Destination Estimation in a Transit Smart Card Automated Fare Collection System. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , <b>2007</b> , 11, 1-14	3.2	215
86	Measuring transit use variability with smart-card data. <i>Transport Policy</i> , <b>2007</b> , 14, 193-203	5.7	180
85	Analyzing year-to-year changes in public transport passenger behaviour using smart card data. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2017</b> , 79, 274-289	8.4	94
84	How Carsharing Affects the Travel Behavior of Households: A Case Study of Montréal, Canada. <i>International Journal of Sustainable Transportation</i> , <b>2013</b> , 7, 52-69	3.6	93
83	Detection of Activities of Public Transport Users by Analyzing Smart Card Data. <i>Transportation Research Record</i> , <b>2012</b> , 2276, 48-55	1.7	85
82	MINING PUBLIC TRANSPORT USER BEHAVIOUR FROM SMART CARD DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 399-404		69
81	Walking to transit: An unexpected source of physical activity. <i>Transport Policy</i> , <b>2011</b> , 18, 800-806	5.7	62
80	Calculation of Transit Performance Measures Using Smartcard Data. <i>Journal of Public Transportation</i> , <b>2009</b> , 12, 79-96	26.8	45
79	The capacitated arc routing problem with refill points. <i>Operations Research Letters</i> , <b>2007</b> , 35, 45-53	1	40
78	Are transit users loyal? Revelations from a hazard model based on smart card data. <i>Canadian Journal of Civil Engineering</i> , <b>2012</b> , 39, 610-618	1.3	35
77	Electric and hybrid car use in a free-floating carsharing system. <i>International Journal of Sustainable Transportation</i> , <b>2017</b> , 11, 161-169	3.6	30
76	Integration of inventory and transportation decisions in decentralised supply chains. <i>International Journal of Logistics Systems and Management</i> , <b>2009</b> , 5, 249	0.7	29
75	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> , <b>2020</b> , 16, 56-75	2.5	29
74	Assessing Impact of Carsharing on Household Car Ownership in Montreal, Quebec, Canada. <i>Transportation Research Record</i> , <b>2014</b> , 2416, 48-55	1.7	28
73	Car sharing system: what transaction datasets reveal on users' behaviors <b>2007</b> ,		27
72	Risk factors associated with self-reported musculoskeletal pain among short and long distance industrial gas delivery truck drivers. <i>Applied Ergonomics</i> , <b>2018</b> , 72, 69-87	4.2	27

71	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> , <b>2013</b> , 40, 1895-1906	4.6	25
70	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> , <b>2013</b> , 40, 1907-1922	4.6	25
69	Geodemographic analysis and the identification of potential business partnerships enabled by transit smart cards. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2011</b> , 45, 640-652	3.7	25
68	A visual segmentation method for temporal smart card data. <i>Transportmetrica A: Transport Science</i> , <b>2017</b> , 13, 381-404	2.5	23
67	Estimating the Destination of Unlinked Trips in Transit Smart Card Fare Data. <i>Transportation Research Record</i> , <b>2015</b> , 2535, 97-104	1.7	23
66	Road network monitoring: algorithms and a case study. <i>Computers and Operations Research</i> , <b>2006</b> , 33, 3494-3507	4.6	22
65	Short & long term forecasting of multimodal transport passenger flows with machine learning methods <b>2017</b> ,		21
64	Integrating parking behaviour in activity-based travel demand modelling: Investigation of the relationship between parking type choice and activity scheduling process. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2012</b> , 46, 154-166	3.7	20
63	Object-Oriented Analysis of Carsharing System. <i>Transportation Research Record</i> , <b>2008</b> , 2063, 105-112	1.7	20
62	Economic Assessment of Rural District Heating by Bio-Steam Supplied by a Paper Mill in Canada. <i>Bulletin of Science, Technology and Society</i> , <b>2008</b> , 28, 159-173	0.2	19
61	Cross-analysis of hazmat road accidents using multiple databases. <i>Accident Analysis and Prevention</i> , <b>2009</b> , 41, 1192-8	6.1	17
60	Driver-Assisted Bus Interview: Passive Transit Travel Survey with Smart Card Automatic Fare Collection System and Applications. <i>Transportation Research Record</i> , <b>2009</b> , 2105, 1-10	1.7	17
59	Unraveling the Travel Behavior of Carsharing Members from Global Positioning System Traces. <i>Transportation Research Record</i> , <b>2013</b> , 2359, 59-67	1.7	16
58	Strategic simulation of the energy management in a Kraft mill. <i>Energy Conversion and Management</i> , <b>2010</b> , 51, 988-997	10.6	14
57	Analyse orientèe-objet et totalement d'agrègation des données d'enquêtes m'ages origine-destination. <i>Canadian Journal of Civil Engineering</i> , <b>2001</b> , 28, 48-58	1.3	14
56	Analyzing Transit User Behavior with 51 Weeks of Smart Card Data. <i>Transportation Research Record</i> , <b>2019</b> , 2673, 33-45	1.7	13
55	What about Free-Floating Carsharing?: A Look at the Montreal, Canada, Case. <i>Transportation Research Record</i> , <b>2016</b> , 2563, 28-36	1.7	12
54	A case study of snow plow routing using an adaptive large hood search metaheuristic. <i>Transportation Letters</i> , <b>2015</b> , 7, 201-209	2.1	12

53	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. <i>Journal of Choice Modelling</i> , <b>2013</b> , 9, 14-26	3.8	11
52	Demographic Analysis of Route Choice for Public Transit. <i>Transportation Research Record</i> , <b>2011</b> , 2217, 71-78	1.7	11
51	Travel time reliability on a highway network: estimations using floating car data. <i>Transportation Letters</i> , <b>2010</b> , 2, 27-37	2.1	11
50	A heuristic method for the capacitated arc routing problem with refill points and multiple loads. <i>Journal of the Operational Research Society</i> , <b>2010</b> , 61, 1095-1103	2	10
49	Can Trip Planner Log Files Analysis Help in Transit Service Planning?. <i>Journal of Public Transportation</i> , <b>2005</b> , 8, 79-103	26.8	10
48	Modeling bus bunching using massive location and fare collection data. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , <b>2019</b> , 23, 332-344	3.2	9
47	Carsharing Versus Bikesharing: Comparing Mobility Behaviors. <i>Transportation Research Record</i> , <b>2017</b> , 2650, 112-122	1.7	8
46	Safety management in hazardous materials logistics. <i>Transportation Letters</i> , <b>2010</b> , 2, 13-25	2.1	8
45	DESTINATION ESTIMATION FROM PUBLIC TRANSPORT SMARTCARD DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 393-398		8
44	Evaluation Criteria of Smart City Mobility System Using MCDM Method. <i>Baltic Journal of Road and Bridge Engineering</i> , <b>2020</b> , 15, 196-224	0.9	8
43	Street-segment-based salt and abrasive prediction for winter maintenance using machine learning and GIS. <i>Transactions in GIS</i> , <b>2019</b> , 23, 48-69	2.1	7
42	Exploring Service Usage and Activity Space Evolution in a Free-Floating Carsharing Service. <i>Transportation Research Record</i> , <b>2019</b> , 2673, 36-49	1.7	7
41	Measuring the quality and diversity of transit alternatives. <i>Transport Policy</i> , <b>2018</b> , 61, 51-59	5.7	7
40	Challenges in Spatial-Temporal Data Analysis Targeting Public Transport. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 442-447	0.7	7
39	Innovative GTFS Data Application for Transit Network Analysis Using a Graph-Oriented Method. <i>Journal of Public Transportation</i> , <b>2016</b> , 19, 18-37	26.8	7
38	Assessing the public transport travel behavior consistency from smart card data. <i>Transportation Research Procedia</i> , <b>2018</b> , 32, 44-53	2.4	7
37	Workshop Synthesis: System Based Passive Data Streams Systems; Smart Cards, Phone Data, GPS. <i>Transportation Research Procedia</i> , <b>2015</b> , 11, 340-349	2.4	6
36	Integrated Intervening Opportunities Model for Public Transit Trip Generation Distribution: A Supply-Dependent Approach. <i>Transportation Research Record</i> , <b>2013</b> , 2350, 47-57	1.7	6

35	A GIS-based tool for distribution system data integration and analysis. <i>Journal of Hydroinformatics</i> , <b>2006</b> , 8, 13-24	2.6	6
34	Transit network design using a genetic algorithm with integrated road network and disaggregated OD demand data. <i>Transportation</i> , <b>2021</b> , 48, 95-130	4	6
33	Assessing the Evolution of Transit User Behavior from Smart Card Data. <i>Transportation Research Record</i> , <b>2019</b> , 2673, 184-194	1.7	5
32	A case study of combined winter road snow plowing and de-icer spreading. <i>Canadian Journal of Civil Engineering</i> , <b>2017</b> , 44, 1005-1013	1.3	5
31	Incorporating travel behavior regularity into passenger flow forecasting. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2021</b> , 128, 103200	8.4	5
30	Revisiting the destination ranking procedure in development of an Intervening Opportunities Model for public transit trip distribution. <i>Journal of Geographical Systems</i> , <b>2015</b> , 17, 61-81	1.8	4
29	Solving the large-scale min-max K-rural postman problem for snow plowing. <i>Networks</i> , <b>2017</b> , 70, 195-215	1.6	4
28	Organizational safety practices of hazardous materials carriers. <i>Transportation Letters</i> , <b>2011</b> , 3, 149-159	2.1	4
27	Probabilistic model for destination inference and travel pattern mining from smart card data. <i>Transportation</i> , <b>2021</b> , 48, 2035-2053	4	4
26	Adjusting Dwell Time for Paratransit Services. <i>Transportation Research Record</i> , <b>2020</b> , 2674, 638-648	1.7	3
25	Modeling isoexposure to transit users for market potential analysis. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2012</b> , 46, 1517-1527	3.7	3
24	Assessing the effect of distribution system O&M on water quality. <i>Journal - American Water Works Association</i> , <b>2007</b> , 99, 77-91	0.5	3
23	Assessment of physical work demand of short distance industrial gas delivery truck drivers. <i>Applied Ergonomics</i> , <b>2020</b> , 89, 103222	4.2	3
22	The mixed capacitated general routing problem with time-dependent demands. <i>Networks</i> , <b>2020</b> , 76, 467-484	1.6	3
21	Assessment of physical work demands of long-distance industrial gas delivery truck drivers. <i>Applied Ergonomics</i> , <b>2021</b> , 90, 103224	4.2	3
20	Robust optimization for the hierarchical mixed capacitated general routing problem applied to winter road maintenance. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 158, 107396	6.4	3
19	Real-Time Forecasting of Metro Origin-Destination Matrices with High-Order Weighted Dynamic Mode Decomposition. <i>Transportation Science</i> ,	4.4	3
18	Smart Urban Mobility System Evaluation Model Adaptation to Vilnius, Montreal and Weimar Cities. <i>Sustainability</i> , <b>2022</b> , 14, 715	3.6	2

17	Transit Path Calculation Supported by Special Geographic Information System-Transit Information System	2
16	Measuring Changes in Multimodal Travel Behavior Resulting from Transport Supply Improvement. <i>Transportation Research Record</i> ,036119812110031	1.7 2
15	Forecasting a customer's Next Time Under Safety Stock. <i>International Journal of Production Economics</i> , <b>2021</b> , 234, 108044	9.3 2
14	Using 5 parallel passive data streams to report on a wide range of mobility options. <i>Transportation Research Procedia</i> , <b>2018</b> , 32, 82-92	2.4 2
13	Characterising Annual Behaviour of Carsharing Users in Montreal. <i>Transportation Research Procedia</i> , <b>2020</b> , 48, 1435-1449	2.4 1
12	Solving the clustered traveling salesman problem with -relaxed priority rule. <i>International Transactions in Operational Research</i> , <b>2020</b> ,	2.9 1
11	Bridging the gap between complex data and decision-makers: an example of an innovative interactive tool. <i>Transportation Planning and Technology</i> , <b>2010</b> , 33, 465-479	1.6 1
10	Predicting Carsharing Station-Based Trip Generation Using a Growth Model. <i>Transportation Research Procedia</i> , <b>2020</b> , 48, 1466-1477	2.4 1
9	Space-time classification of public transit smart card users' activity locations from smart card data. <i>Public Transport</i> ,1	2.1 1
8	Comparing multiple data streams to assess free-floating carsharing use. <i>Transportation Research Procedia</i> , <b>2018</b> , 32, 617-626	2.4 1
7	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> ,036119812110322	1.7 1
6	Assessing longitudinal stability of public transport users with smart card data. <i>Transportation Research Procedia</i> , <b>2020</b> , 48, 1364-1375	2.4 0
5	A bi-level representational model of hazardous material supply chains. <i>International Journal of Logistics Systems and Management</i> , <b>2010</b> , 6, 380	0.7
4	Models for integrated resource and operation scheduling. <i>Computer Aided Chemical Engineering</i> , <b>2005</b> , 20, 1633-1638	0.6
3	Latent stage model for carsharing usage frequency estimation with Montréal case study. <i>Transportation</i> ,1	4
2	Ergonomic Assessment of Exposure to Musculoskeletal Disorders Risk Factors Among Canadian Truck Drivers. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 829-836	0.5
1	Criteria to prioritize opportunities to shift paratransit trips to regular transit network [Montreal case study. <i>Journal of Transport and Health</i> , <b>2022</b> , 24, 101338	3