Martin Trpanier

List of Publications by Year in Descending Order

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 Urban Mobility System Evaluation Model Adaptation to Vilnius, Montreal and Weimar Cities. *Sustainability*, **2022**, 14, 715	3.6	2
87	Criteria to prioritize opportunities to shift paratransit trips to regular transit network Montreal case study. *Journal of Transport and Health*, **2022**, 24, 101338	3	
86	Forecasting a customer's Next Time Under Safety Stock. *International Journal of Production Economics*, **2021**, 234, 108044	9.3	2
85	Incorporating travel behavior regularity into passenger flow forecasting. *Transportation Research Part C: Emerging Technologies*, **2021**, 128, 103200	8.4	5
84	Probabilistic model for destination inference and travel pattern mining from smart card data. *Transportation*, **2021**, 48, 2035-2053	4	4
83	Assessment of physical work demands of long-distance industrial gas delivery truck drivers. *Applied Ergonomics*, **2021**, 90, 103224	4.2	3
82	Transit network design using a genetic algorithm with integrated road network and disaggregated OD demand data. *Transportation*, **2021**, 48, 95-130	4	6
81	Robust optimization for the hierarchical mixed capacitated general routing problem applied to winter road maintenance. *Computers and Industrial Engineering*, **2021**, 158, 107396	6.4	3
80	Ergonomic Assessment of Exposure to Musculoskeletal Disorders Risk Factors Among Canadian Truck Drivers. *Lecture Notes in Networks and Systems*, **2021**, 829-836	0.5	
79	Assessing longitudinal stability of public transport users with smart card data. *Transportation Research Procedia*, **2020**, 48, 1364-1375	2.4	0
78	Characterising Annual Behaviour of Carsharing Users in Montreal. *Transportation Research Procedia*, **2020**, 48, 1435-1449	2.4	1
77	Adjusting Dwell Time for Paratransit Services. *Transportation Research Record*, **2020**, 2674, 638-648	1.7	3
76	Solving the clustered traveling salesman problem with -relaxed priority rule. *International Transactions in Operational Research*, **2020**,	2.9	1
75	Evaluation Criteria of Smart City Mobility System Using MCDM Method. *Baltic Journal of Road and Bridge Engineering*, **2020**, 15, 196-224	0.9	8
74	Assessment of physical work demand of short distance industrial gas delivery truck drivers. *Applied Ergonomics*, **2020**, 89, 103222	4.2	3
73	Predicting Carsharing Station-Based Trip Generation Using a Growth Model. *Transportation Research Procedia*, **2020**, 48, 1466-1477	2.4	1
72	The mixed capacitated general routing problem with time-dependent demands. *Networks*, **2020**, 76, 467-484	1.6	3

71	A classification of public transit users with smart card data based on time series distance metrics and a hierarchical clustering method. *Transportmetrica A: Transport Science*, **2020**, 16, 56-75	2.5	29
70	Analyzing Transit User Behavior with 51 Weeks of Smart Card Data. *Transportation Research Record*, **2019**, 2673, 33-45	1.7	13
69	Assessing the Evolution of Transit User Behavior from Smart Card Data. *Transportation Research Record*, **2019**, 2673, 184-194	1.7	5
68	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
67	Exploring Service Usage and Activity Space Evolution in a Free-Floating Carsharing Service. *Transportation Research Record*, **2019**, 2673, 36-49	1.7	7
66	Modeling bus bunching using massive location and fare collection data. *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations*, **2019**, 23, 332-344	3.2	9
65	Measuring the quality and diversity of transit alternatives. *Transport Policy*, **2018**, 61, 51-59	5.7	7
64	Assessing the public transport travel behavior consistency from smart card data. *Transportation Research Procedia*, **2018**, 32, 44-53	2.4	7
63	Comparing multiple data streams to assess free-floating carsharing use. *Transportation Research Procedia*, **2018**, 32, 617-626	2.4	1
62	Using 5 parallel passive data streams to report on a wide range of mobility options. *Transportation Research Procedia*, **2018**, 32, 82-92	2.4	2
61	Risk factors associated with self-reported musculoskeletal pain among short and long distance industrial gas delivery truck drivers. *Applied Ergonomics*, **2018**, 72, 69-87	4.2	27
60	Analyzing year-to-year changes in public transport passenger behaviour using smart card data. *Transportation Research Part C: Emerging Technologies*, **2017**, 79, 274-289	8.4	94
59	A visual segmentation method for temporal smart card data. *Transportmetrica A: Transport Science*, **2017**, 13, 381-404	2.5	23
58	Solving the large-scale minmax K-rural postman problem for snow plowing. *Networks*, **2017**, 70, 195-215	1.6	4
57	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
56	Electric and hybrid car use in a free-floating carsharing system. *International Journal of Sustainable Transportation*, **2017**, 11, 161-169	3.6	30
55	Carsharing Versus Bikesharing: Comparing Mobility Behaviors. *Transportation Research Record*, **2017**, 2650, 112-122	1.7	8
54	Short & long term forecasting of multimodal transport passenger flows with machine learning methods **2017**,		21

53	What about Free-Floating Carsharing?: A Look at the Montreal, Canada, Case. *Transportation Research Record*, **2016**, 2563, 28-36	1.7	12
52	Innovative GTFS Data Application for Transit Network Analysis Using a Graph-Oriented Method. *Journal of Public Transportation*, **2016**, 19, 18-37	26.8	7
51	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	1.8	4
50	Challenges in Spatial-Temporal Data Analysis Targeting Public Transport. *IFAC-PapersOnLine*, **2015**, 48, 442-447	0.7	7
49	A case study of snow plow routing using an adaptive large hood search metaheuristic. *Transportation Letters*, **2015**, 7, 201-209	2.1	12
48	Workshop Synthesis: System Based Passive Data Streams Systems; Smart Cards, Phone Data, GPS. *Transportation Research Procedia*, **2015**, 11, 340-349	2.4	6
47	Estimating the Destination of Unlinked Trips in Transit Smart Card Fare Data. *Transportation Research Record*, **2015**, 2535, 97-104	1.7	23
46	Assessing Impact of Carsharing on Household Car Ownership in Montreal, Quebec, Canada. *Transportation Research Record*, **2014**, 2416, 48-55	1.7	28
45	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	3.8	11
44	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
43	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
42	How Carsharing Affects the Travel Behavior of Households: A Case Study of Montrâl, Canada. *International Journal of Sustainable Transportation*, **2013**, 7, 52-69	3.6	93
41	Integrated Intervening Opportunities Model for Public Transit Trip GenerationDistribution: A Supply-Dependent Approach. *Transportation Research Record*, **2013**, 2350, 47-57	1.7	6
40	Unraveling the Travel Behavior of Carsharing Members from Global Positioning System Traces. *Transportation Research Record*, **2013**, 2359, 59-67	1.7	16
39	Detection of Activities of Public Transport Users by Analyzing Smart Card Data. *Transportation Research Record*, **2012**, 2276, 48-55	1.7	85
38	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	3.7	20
37	Modeling isoexposure to transit users for market potential analysis. *Transportation Research, Part A: Policy and Practice*, **2012**, 46, 1517-1527	3.7	3
36	Are transit users loyal? Revelations from a hazard model based on smart card data. *Canadian Journal of Civil Engineering*, **2012**, 39, 610-618	1.3	35

35	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	3.7	25
34	Walking to transit: An unexpected source of physical activity. *Transport Policy*, **2011**, 18, 800-806	5.7	62
33	Organizational safety practices of hazardous materials carriers. *Transportation Letters*, **2011**, 3, 149-159	2.1	4
32	Demographic Analysis of Route Choice for Public Transit. *Transportation Research Record*, **2011**, 2217, 71-78	1.7	11
31	Smart card data use in public transit: A literature review. *Transportation Research Part C: Emerging Technologies*, **2011**, 19, 557-568	8.4	561
30	Bridging the gap between complex data and decision-makers: an example of an innovative interactive tool. *Transportation Planning and Technology*, **2010**, 33, 465-479	1.6	1
29	Travel time reliability on a highway network: estimations using floating car data. *Transportation Letters*, **2010**, 2, 27-37	2.1	11
28	Safety management in hazardous materials logistics. *Transportation Letters*, **2010**, 2, 13-25	2.1	8
27	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	10
26	A bi-level representational model of hazardous material supply chains. *International Journal of Logistics Systems and Management*, **2010**, 6, 380	0.7	
25	Strategic simulation of the energy management in a Kraft mill. *Energy Conversion and Management*, **2010**, 51, 988-997	10.6	14
24	Cross-analysis of hazmat road accidents using multiple databases. *Accident Analysis and Prevention*, **2009**, 41, 1192-8	6.1	17
23	Integration of inventory and transportation decisions in decentralised supply chains. *International Journal of Logistics Systems and Management*, **2009**, 5, 249	0.7	29
22	Driver-Assisted Bus Interview: Passive Transit Travel Survey with Smart Card Automatic Fare Collection System and Applications. *Transportation Research Record*, **2009**, 2105, 1-10	1.7	17
21	Calculation of Transit Performance Measures Using Smartcard Data. *Journal of Public Transportation*, **2009**, 12, 79-96	26.8	45
20	Object-Oriented Analysis of Carsharing System. *Transportation Research Record*, **2008**, 2063, 105-112	1.7	20
19	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	0.2	19
18	The capacitated arc routing problem with refill points. *Operations Research Letters*, **2007**, 35, 45-53	1	40

17	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	3.2	215
16	Car sharing system: what transaction datasets reveal on users' behaviors **2007**,		27
15	Assessing the effect of distribution system O&M on water quality. *Journal - American Water Works Association*, **2007**, 99, 77-91	0.5	3
14	Measuring transit use variability with smart-card data. *Transport Policy*, **2007**, 14, 193-203	5.7	180
13	Road network monitoring: algorithms and a case study. *Computers and Operations Research*, **2006**, 33, 3494-3507	4.6	22
12	A GIS-based tool for distribution system data integration and analysis. *Journal of Hydroinformatics*, **2006**, 8, 13-24	2.6	6
11	DESTINATION ESTIMATION FROM PUBLIC TRANSPORT SMARTCARD DATA. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 393-398		8
10	MINING PUBLIC TRANSPORT USER BEHAVIOUR FROM SMART CARD DATA. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 399-404		69
9	Models for integrated resource and operation scheduling. *Computer Aided Chemical Engineering*, **2005**, 20, 1633-1638	0.6	
8	Can Trip Planner Log Files Analysis Help in Transit Service Planning?. *Journal of Public Transportation*, **2005**, 8, 79-103	26.8	10
7	Analyse orientée-objet et totalement désagrégée des données d'enquêtes ménages origine-destination. *Canadian Journal of Civil Engineering*, **2001**, 28, 48-58	1.3	14
6	Transit Path Calculation Supported by Special Geographic Information System-Transit Information System		2
5	Measuring Changes in Multimodal Travel Behavior Resulting from Transport Supply Improvement. *Transportation Research Record*,036119812110031	1.7	2
4	Space–time classification of public transit smart card users' activity locations from smart card data. *Public Transport*,1	2.1	1
3	Latent stage model for carsharing usage frequency estimation with Montréal case study. *Transportation*,1	4	
2	Participation in Shared Mobility: An Analysis of the Influence of Walking and Public Transport Accessibility to Vehicles on Carsharing Membership in Montreal, Canada. *Transportation Research Record*,036119812110322	1.7	1
1	Real-Time Forecasting of Metro Origin-Destination Matrices with High-Order Weighted Dynamic Mode Decomposition. *Transportation Science*,	4.4	3