Catherine Morency

List of Publications by Year
in descending order

115	4,081	218677	128289
papers	citations	26 h-index	60 g-index

116	116	116	3339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart card data use in public transit: A literature review. Transportation Research Part C: Emerging Technologies, 2011, 19, 557-568.	7.6	684
2	Measuring accessibility: positive and normative implementations of various accessibility indicators. Journal of Transport Geography, 2012, 25, 141-153.	5.0	469
3	Measuring transit use variability with smart-card data. Transport Policy, 2007, 14, 193-203.	6.6	212
4	Relative Accessibility Deprivation Indicators for Urban Settings: Definitions and Application to Food Deserts in Montreal. Urban Studies, 2010, 47, 1415-1438.	3.7	203
5	Distance traveled in three Canadian cities: Spatial analysis from the perspective of vulnerable population segments. Journal of Transport Geography, 2011, 19, 39-50.	5.0	157
6	Walking accessibility to urban parks by children: A case study of Montreal. Landscape and Urban Planning, 2014, 125, 38-47.	7.5	145
7	Accessibility to health care facilities in Montreal Island: an application of relative accessibility indicators from the perspective of senior and non-senior residents. International Journal of Health Geographics, 2010, 9, 52.	2.5	138
8	Neighborhood Social Inequalities in Road Traffic Injuries: The Influence of Traffic Volume and Road Design. American Journal of Public Health, 2012, 102, 1112-1119.	2.7	137
9	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
10	How Carsharing Affects the Travel Behavior of Households: A Case Study of MontrÃ©al, Canada. International Journal of Sustainable Transportation, 2013, 7, 52-69.	4.1	112
11	The ambivalence of ridesharing. Transportation, 2007, 34, 239-253.	4.0	111
12	Mode use and trip length of seniors in Montreal. Journal of Transport Geography, 2013, 30, 89-99.	5.0	90
13	Trip generation of vulnerable populations in three Canadian cities: a spatial ordered probit approach. Transportation, 2010, 37, 525-548.	4.0	89
14	Walking to transit: An unexpected source of physical activity. Transport Policy, 2011, 18, 800-806.	6.6	74
15	Activity Spaces and the Measurement of Clustering and Exposure: A Case Study of Linguistic Groups in Montreal. Environment and Planning A, 2012, 44, 315-332.	3.6	54
16	Calculation of Transit Performance Measures Using Smartcard Data. Journal of Public Transportation, 2009, 12, 79-96.	1.2	52
17	A time-use investigation of shopping participation in three Canadian cities: is there evidence of social exclusion?. Transportation, 2011, 38, 17-44.	4.0	44
18	Modelling usersâ€™ behaviour of a carsharing program: Application of a joint hazard and zero inflated dynamic ordered probability model. Transportation Research, Part A: Policy and Practice, 2012, 46, 241-254.	4.2	44

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19	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	42
20	Understanding members' carsharing (activity) persistency by using econometric model. Journal of Advanced Transportation, 2012, 46, 26-38.	1.7	38
21	Using structural equations modeling to unravel the influence of land use patterns on travel behavior of workers in Montreal. Transportation Research, Part A: Policy and Practice, 2012, 46, 1252-1264.	4.2	37
22	Electric and hybrid car use in a free-floating carsharing system. International Journal of Sustainable Transportation, 2017, 11, 161-169.	4.1	35
23	Car sharing system: what transaction datasets reveal on users' behaviors. , 2007, , .		33
24	Assessing Impact of Carsharing on Household Car Ownership in Montreal, Quebec, Canada. Transportation Research Record, 2014, 2416, 48-55.	1.9	33
25	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.	4.2	30
26	Explaining transport mode use of low-income persons for journey to work in urban areas: a case study of Ontario and Quebec. Transportmetrica, 2012, 8, 157-179.	1.8	30
27	Differences in associations between active transportation and built environmental exposures when expressed using different components of individual activity spaces. Health and Place, 2015, 33, 195-202.	3.3	30
28	Spatial transferability assessment of a composite walkability index: The Pedestrian Index of the Environment (PIE). Transportation Research, Part D: Transport and Environment, 2017, 57, 378-391.	6.8	30
29	Estimation of Frequency and Length of Pedestrian Stride in Urban Environments with Video Sensors. Transportation Research Record, 2011, 2264, 138-147.	1.9	28
30	INTERACT: A comprehensive approach to assess urban form interventions through natural experiments. BMC Public Health, 2019, 19, 51.	2.9	27
31	Analyzing Transit User Behavior with 51 Weeks of Smart Card Data. Transportation Research Record, 2019, 2673, 33-45.	1.9	27
32	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.	4.2	25
33	Trip Generation of Seniors and the Geography of Walking in Montreal. Environment and Planning A, 2015, 47, 957-976.	3.6	25
34	Shifting short motorized trips to walking: The potential of active transportation for physical activity in Montreal. Journal of Transport and Health, 2014, 1, 100-107.	2.2	22
35	How Many Steps Do you Have in Reserve?. Transportation Research Record, 2007, 2002, 1-6.	1.9	21
36	Object-Oriented Analysis of Carsharing System. Transportation Research Record, 2008, 2063, 105-112.	1.9	20

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37	Unraveling the Travel Behavior of Carsharing Members from Global Positioning System Traces. Transportation Research Record, 2013, 2359, 59-67.	1.9	20
38	Bike-Sharing Demand Prediction at Community Level under COVID-19 Using Deep Learning. Sensors, 2022, 22, 1060.	3.8	20
39	Survey Mode Integration and Data Fusion: Methods and Challenges. , 2009, , 587-611.		19
40	Jobs and the Single Parent: An Analysis of Accessibility to Employment in Toronto. Urban Geography, 2013, 34, 815-842.	3.0	19
41	Developing a web-based accessibility calculator prototype for the Greater Montreal Area. Transportation Research, Part A: Policy and Practice, 2013, 58, 103-115.	4.2	18
42	What about Free-Floating Carsharing?. Transportation Research Record, 2016, 2563, 28-36.	1.9	18
43	Carsharing Versus Bikesharing. Transportation Research Record, 2017, 2650, 112-122.	1.9	18
44	Evaluating Microtrip Definitions for Developing Driving Cycles. Transportation Research Record, 2017, 2627, 86-92.	1.9	17
45	Travel time reliability on a highway network: estimations using floating car data. Transportation Letters, 2010, 2, 27-37.	3.1	16
46	Assessment of spatial transferability of an activity-based model, TASHA. Transportation Research, Part A: Policy and Practice, 2015, 78, 200-213.	4.2	16
47	Frequent versus occasional drivers: A hybrid route choice model. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 64, 171-183.	3.7	16
48	Innovative GTFS Data Application for Transit Network Analysis Using a Graph-Oriented Method. Journal of Public Transportation, 2016, 19, 18-37.	1.2	16
49	Transit network design using a genetic algorithm with integrated road network and disaggregated Oâ€“D demand data. Transportation, 2021, 48, 95-130.	4.0	15
50	Estimating Latent Cycling Trips in Montreal, Canada. Transportation Research Record, 2012, 2314, 120-128.	1.9	14
51	Assessing the Evolution of Transit User Behavior from Smart Card Data. Transportation Research Record, 2019, 2673, 184-194.	1.9	14
52	Development of an indicator to assess the spatial fit of discrete choice models. Transportation Research Part B: Methodological, 2013, 56, 217-233.	5.9	13
53	Travel demand corridors: Modelling approach and relevance in the planning process. Journal of Transport Geography, 2017, 58, 196-208.	5.0	13
54	Active transportation as a way to increase physical activity among children. Child: Care, Health and Development, 2010, 36, 421-427.	1.7	12

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55	Demographic Analysis of Route Choice for Public Transit. Transportation Research Record, 2011, 2217, 71-78.	1.9	12
56	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.	2.3	12
57	Compliance potential mapping: a tool to assess potential contributions of walking towards physical activity guidelines. BMC Public Health, 2014, 14, 511.	2.9	12
58	Walkability: Which Measure to Choose, Where to Measure It, and How?. Transportation Research Record, 2018, 2672, 139-150.	1.9	12
59	Identification of the minimum size of the shared-car fleet required to satisfy car-driving trips in Montreal. Transportation, 2015, 42, 435-447.	4.0	11
60	Integration of a phone-based household travel survey and a web-based student travel survey. Transportation, 2018, 45, 89-103.	4.0	10
61	Estimating the health benefits of planned public transit investments in Montreal. Environmental Research, 2018, 160, 412-419.	7.5	10
62	Two Cities, Two Realities?. Transportation Research Record, 2008, 2082, 156-167.	1.9	9
63	Transcending the Typical Weekday with Large-Scale Single-Day Survey Samples. Transportation Research Record, 2011, 2230, 38-47.	1.9	9
64	Integrated Intervening Opportunities Model for Public Transit Trip Generationâ€“Distribution. Transportation Research Record, 2013, 2350, 47-57.	1.9	9
65	Web-Based Travel Survey: A Demo. , 2013, , 207-224.		9
66	Measuring the quality and diversity of transit alternatives. Transport Policy, 2018, 61, 51-59.	6.6	9
67	A mixed logit model analysis of residential choices of the young-elderly in the Montreal metropolitan area. , 2019, 44, 141-149.		9
68	Typology of Bikeshare Users Combining Bikeshare and Transit. Transportation Research Record, 2020, 2674, 475-483.	1.9	9
69	Methodology of parking analysis. Canadian Journal of Civil Engineering, 2015, 42, 281-285.	1.3	8
70	Macro-, meso-, and micro-level validation of an activity-based travel demand model. Transportmetrica A: Transport Science, 2017, 13, 222-249.	2.0	8
71	On the role of bridges as anchor points in route choice modeling. Transportation, 2018, 45, 1181-1206.	4.0	8
72	Exploring Service Usage and Activity Space Evolution in a Free-Floating Carsharing Service. Transportation Research Record, 2019, 2673, 36-49.	1.9	8

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73	Estimating latent cycling and walking trips in Montreal. International Journal of Sustainable Transportation, 2020, 14, 349-360.	4.1	8
74	Environmental and health impacts of transportation and land use scenarios in 2061. Environmental Research, 2020, 187, 109622.	7.5	8
75	Steps in Reserve. Transportation Research Record, 2009, 2140, 111-119.	1.9	7
76	Encapsulating and Visualizing Disaggregated Originâ€“Destination Desire Lines to Identify Demand Corridors. Transportation Research Record, 2014, 2430, 162-169.	1.9	7
77	Impact of Weather, Activities, and Service Disruptions on Transportation Demand. Transportation Research Record, 2021, 2675, 294-304.	1.9	7
78	Measuring Changes in Multimodal Travel Behavior Resulting from Transport Supply Improvement. Transportation Research Record, 2021, 2675, 533-546.	1.9	7
79	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.	3.1	6
80	Trend analysis of activity generation attributes over time. Transportation, 2017, 44, 69-89.	4.0	6
81	Comparing multiple data streams to assess free-floating carsharing use. Transportation Research Procedia, 2018, 32, 617-626.	1.5	6
82	An online survey to enhance the understanding of car drivers route choices. Transportation Research Procedia, 2018, 32, 482-494.	1.5	6
83	Enhancing the Travel Survey Process and Data Using the CATI System. Transportation Planning and Technology, 2008, 31, 229-248.	2.0	5
84	Modeling isoexposure to transit users for market potential analysis. Transportation Research, Part A: Policy and Practice, 2012, 46, 1517-1527.	4.2	5
85	Using 5 parallel passive data streams to report on a wide range of mobility options. Transportation Research Procedia, 2018, 32, 82-92.	1.5	5
86	Enriching Travel Demand Forecasting Models with a Household Typology. Transportation Research Record, 2019, 2673, 975-987.	1.9	5
87	Adjusting Dwell Time for Paratransit Services. Transportation Research Record, 2020, 2674, 638-648.	1.9	5
88	needs-gap analysis of street space allocation. Journal of Transport and Land Use, 2021, 14, .	1.2	5
89	Investigating the capacity of continuous household travel surveys in capturing the temporal rhythms of travel demand. Transportation, 2020, 47, 1787-1808.	4.0	4
90	Car Ownership and the Built Environment: A Spatial Modeling Approach. Transportation Research Record, 0, , 036119812110494.	1.9	4

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91	Comparing Data from Mobile and Static Traffic Sensors for Travel Time Assessment. , 2011, , .		3
92	Analyse dÃ©sagrÃ©gÃ©e des facteurs environnementaux associÃ©s au nombre dâ€™enfants blessÃ©s par un vÃ©hicule Ã moteur en milieu urbain. Cahiers De Geographie De Quebec, 0, 55, 449-468.	0.1	3
93	A robust datawarehouse as a requirement to the increasing quantity and complexity of travel survey data. Transportation Research Procedia, 2018, 32, 436-447.	1.5	3
94	Predicting Carsharing Station-Based Trip Generation Using a Growth Model. Transportation Research Procedia, 2020, 48, 1466-1477.	1.5	3
95	Comparing Driving Cycle Development Methods Based on Markov Chains. Transportation Research Record, 2021, 2675, 212-221.	1.9	3
96	Stimulating a Canadian narrative for climate. Facets, 2017, 2, 131-149.	2.4	3
97	Persistance de lâ€™automobilitÃ©Â? Analyse en trois perspectives. Flux, 2020, NÂ° 119-120, 142-172.	0.2	3
98	Bridging the gap between complex data and decision-makers: an example of an innovative interactive tool. Transportation Planning and Technology, 2010, 33, 465-479.	2.0	2
99	Workshop Synthesis: Exploiting and Merging Passive Public Transportation Data Streams. , 2013, , 711-720.		2
100	TTS2.0: A research and development (R&D) project on passenger travel survey methods. Transportation Research Procedia, 2018, 32, 659-665.	1.5	2
101	Modeling the interactions between mobility options in the surrounding of bikesharing stations. , 2020, , 527-542.		2
102	Toward A Framework for Assessing the Fair Distribution of Space in Urban Streets. Transportation Research Record, 2021, 2675, 259-274.	1.9	2
103	Assessing Physical Activity Achievement by using Transit. Transportation Research Record, 2021, 2675, 506-514.	1.9	2
104	â€œSeeing Is Believingâ€• Exploring Opportunities for the Visualization of Activityâ€“Travel and Land Use Processes in Spaceâ€“Time. Advances in Spatial Science, 2010, , 119-147.	0.6	2
105	Capturing the Practices, Challenges, and Needs of Transportation Decision-Makers. , 2020, , .		2
106	Impact of the Geographic Resolution on Population Synthesis Quality. ISPRS International Journal of Geo-Information, 2021, 10, 790.	2.9	2
107	Les logiciels d'enquÃªte transport comme instruments incontournables de la planification analytique. Recherche - Transports - Securite, 2001, 70, 59-77.	0.1	1
108	Factors Affecting Interview Duration in Web-Based Travel Surveys. Transportation Research Record, 2018, 2672, 33-44.	1.9	1

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109	Assessing the Efficiency of Household Residential Location Choices. Transportation Research Record, 2020, 2674, 455-465.	1.9	1
110	The Potential Impacts of Urban and Transit Planning Scenarios for 2031 on Car Use and Active Transportation in a Metropolitan Area. International Journal of Environmental Research and Public Health, 2020, 17, 5061.	2.6	1
111	Criteria to prioritize opportunities to shift paratransit trips to regular transit network â€“ Montreal case study. Journal of Transport and Health, 2022, 24, 101338.	2.2	1
112	Enhancing the Value of an Incidents Database with an Interactive Visualization Tool. , 2011, , .		0
113	Embracing Technological and Behavioral Changes: A Synthesis. Transportation Research Procedia, 2015, 11, 6-18.	1.5	0
114	An Octopus and a circle at the basis of a framework for the evaluation of sustainable mobility. Transport, 2018, 33, 242-248.	1.2	0
115	Process for the Encapsulation and Visualization of Dominant Demand and Supply Corridors. Transportation Research Record, 2020, 2674, 230-242.	1.9	0