

Darren M Scott

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

4,618
citations

101384

36
h-index

106150

65
g-index

96
all docs

96
docs citations

96
times ranked

3592
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring accessibility: positive and normative implementations of various accessibility indicators. <i>Journal of Transport Geography</i> , 2012, 25, 141-153.	2.3	469
2	Network Robustness Index: A new method for identifying critical links and evaluating the performance of transportation networks. <i>Journal of Transport Geography</i> , 2006, 14, 215-227.	2.3	368
3	Transport mobility benefits and quality of life: A time-use perspective of elderly Canadians. <i>Transport Policy</i> , 2009, 16, 1-11.	3.4	253
4	Spatial statistics for urban analysis: A review of techniques with examples. <i>Geo Journal</i> , 2004, 61, 53-67.	1.7	221
5	Active-transport walking behavior: destinations, durations, distances. <i>Journal of Transport Geography</i> , 2013, 28, 101-110.	2.3	216
6	Travel behavior within Canada's older population: a cohort analysis. <i>Journal of Transport Geography</i> , 2005, 13, 340-351.	2.3	172
7	Elderly Mobility: Demographic and Spatial Analysis of Trip Making in the Hamilton CMA, Canada. <i>Urban Studies</i> , 2007, 44, 123-146.	2.2	153
8	Identifying critical road segments and measuring system-wide robustness in transportation networks with isolating links: A link-based capacity-reduction approach. <i>Transportation Research, Part A: Policy and Practice</i> , 2010, 44, 323-336.	2.0	150
9	Social Influence on Travel Behavior: A Simulation Example of the Decision to Telecommute. <i>Environment and Planning A</i> , 2007, 39, 647-665.	2.1	145
10	Exploring the route choice decision-making process: A comparison of planned and observed routes obtained using person-based GPS. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2009, 12, 347-358.	1.8	133
11	An activity-episode generation model that captures interactions between household heads: development and empirical analysis. <i>Transportation Research Part B: Methodological</i> , 2002, 36, 875-896.	2.8	126
12	A Discrete-Choice Approach to Modeling Social Influence on Individual Decision Making. <i>Environment and Planning B: Planning and Design</i> , 2008, 35, 1055-1069.	1.7	101
13	Impacts of commuting efficiency on congestion and emissions: case of the Hamilton CMA, Canada. <i>Transportation Research, Part D: Transport and Environment</i> , 1997, 2, 245-257.	3.2	98
14	An analysis of day-to-day variations in individual space-time accessibility. <i>Journal of Transport Geography</i> , 2012, 23, 81-91.	2.3	82
15	What factors influence bike share ridership? An investigation of Hamilton, Ontario's bike share hubs. <i>Travel Behaviour & Society</i> , 2019, 16, 50-58.	2.4	72
16	New Insights into Senior Travel Behavior: The Canadian Experience. <i>Growth and Change</i> , 2009, 40, 140-168.	1.3	59
17	Modeling constrained destination choice for shopping: a GIS-based, time-geographic approach. <i>Journal of Transport Geography</i> , 2012, 23, 60-71.	2.3	59
18	Understanding bike share cyclist route choice using GPS data: Comparing dominant routes and shortest paths. <i>Journal of Transport Geography</i> , 2018, 71, 172-181.	2.3	59

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19	A GIS-based toolkit for route choice analysis. <i>Journal of Transport Geography</i> , 2011, 19, 434-442.	2.3	55
20	Examining the relationship between active travel, weather, and the built environment: a multilevel approach using a GPS-enhanced dataset. <i>Transportation</i> , 2014, 41, 325-338.	2.1	55
21	Spatial statistics for urban analysis: A review of techniques with examples. <i>Geo Journal</i> , 2004, 61, 53-67.	1.7	54
22	Household Mobility Tool Ownership: Modeling Interactions between Cars and Season Tickets. <i>Transportation</i> , 2006, 33, 311-328.	2.1	53
23	Factors influencing commute distance: a case study of Toronto's commuter shed. <i>Journal of Transport Geography</i> , 2012, 24, 123-129.	2.3	52
24	Location Choice Modeling for Shopping and Leisure Activities with MATSim. <i>Transportation Research Record</i> , 2009, 2135, 87-95.	1.0	51
25	Why do you care what other people think? A qualitative investigation of social influence and telecommuting. <i>Transportation Research, Part A: Policy and Practice</i> , 2011, 45, 269-282.	2.0	51
26	Driving over the life course: The automobility of Canada's Millennial, Generation X, Baby Boomer and Greatest Generations. <i>Travel Behaviour & Society</i> , 2017, 6, 57-63.	2.4	51
27	A GIS-based method to identify spatiotemporal gaps in public service delivery. <i>Applied Geography</i> , 2012, 32, 253-264.	1.7	50
28	Understanding the Impact of the Modifiable Areal Unit Problem on the Relationship between Active Travel and the Built Environment. <i>Urban Studies</i> , 2014, 51, 284-299.	2.2	50
29	The Location Choice of Employment-based Immigrants among U.S. Metro Areas*. <i>Journal of Regional Science</i> , 2005, 45, 113-145.	2.1	49
30	Investigating the Effects of Social Influence on the Choice to Telework. <i>Environment and Planning A</i> , 2012, 44, 1016-1031.	2.1	49
31	Walking for Transport Versus Recreation: A Comparison of Participants, Timing, and Locations. <i>Journal of Physical Activity and Health</i> , 2012, 9, 153-162.	1.0	48
32	Does the social environment influence active travel? An investigation of walking in Hamilton, Canada. <i>Journal of Transport Geography</i> , 2013, 31, 278-285.	2.3	48
33	HUMAN CAPITAL LOCATION CHOICE: ACCOUNTING FOR AMENITIES AND THICK LABOR MARKETS*. <i>Journal of Regional Science</i> , 2012, 52, 787-808.	2.1	46
34	An integrated spatio-temporal GIS toolkit for exploring intra-household interactions. <i>Transportation</i> , 2008, 35, 253-268.	2.1	44
35	Exploring day-to-day variability in time use for household members. <i>Transportation Research, Part A: Policy and Practice</i> , 2010, 44, 609-619.	2.0	44
36	Why is electric vehicle uptake low in Atlantic Canada? A comparison to leading adoption provinces. <i>Journal of Transport Geography</i> , 2019, 74, 289-298.	2.3	40

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37	Weight matrices for social influence analysis: An investigation of measurement errors and their effect on model identification and estimation quality. <i>Social Networks</i> , 2008, 30, 309-317.	1.3	38
38	To drive or not to drive: Driving cessation amongst older adults in rural and small towns in Canada. <i>Journal of Transport Geography</i> , 2020, 86, 102773.	2.3	31
39	Route choice of bike share users: Leveraging GPS data to derive choice sets. <i>Journal of Transport Geography</i> , 2021, 90, 102903.	2.3	29
40	Mapping commuter cycling risk in urban areas. <i>Accident Analysis and Prevention</i> , 2012, 45, 164-172.	3.0	28
41	Insights into public transit use by Millennials: The Canadian experience. <i>Travel Behaviour & Society</i> , 2018, 11, 62-68.	2.4	28
42	Migration, urban growth and commuting distance in Toronto's commuter shed. <i>Area</i> , 2012, 44, 344-355.	1.0	26
43	Trip Generation of Seniors and the Geography of Walking in Montreal. <i>Environment and Planning A</i> , 2015, 47, 957-976.	2.1	25
44	The effects of local and non-local traffic on child pedestrian safety: A spatial displacement of risk. <i>Social Science and Medicine</i> , 2013, 80, 96-104.	1.8	23
45	Impact of different criteria for identifying intra-household interactions: a case study of household time allocation. <i>Transportation</i> , 2011, 38, 81-99.	2.1	22
46	Blame the exurbs, not the suburbs: Exploring the distribution of greenhouse gas emissions within a city region. <i>Energy Policy</i> , 2013, 62, 1329-1335.	4.2	22
47	GIS-based Map-matching: Development and Demonstration of a Postprocessing Map-matching Algorithm for Transportation Research. <i>Lecture Notes in Geoinformation and Cartography</i> , 2011, , 101-120.	0.5	22
48	“Going through a little bit of growing pains”: A qualitative study of the factors that influence the route choice of regular bicyclists in a developing cycling city. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 81, 431-444.	1.8	21
49	A network-based approach for evaluating and ranking transportation roadway projects. <i>Applied Geography</i> , 2012, 34, 498-506.	1.7	20
50	An integrated approach to modeling the impact of floods on emergency services: A case study of Calgary, Alberta. <i>Journal of Transport Geography</i> , 2020, 86, 102774.	2.3	20
51	Measuring active living in Canada: A time-use perspective. <i>Social Science Research</i> , 2011, 40, 685-694.	1.1	19
52	Urban Form and Commuting Efficiency: A Comparative Analysis across Time and Space. <i>Urban Studies</i> , 2013, 50, 191-207.	2.2	19
53	The ValleyMorph Tool: An automated extraction tool for transverse topographic symmetry (T-) factor and valley width to valley height (Vf-) ratio. <i>Computers and Geosciences</i> , 2014, 70, 154-163.	2.0	19
54	Can Canadian households benefit economically from purchasing battery electric vehicles?. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 77, 292-302.	3.2	19

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55	Barriers to Walking: An Investigation of Adults in Hamilton (Ontario, Canada). <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 179.	1.2	18
56	IMPACT: An integrated GIS-based model for simulating the consequences of demographic changes and population ageing on transportation. <i>Computers, Environment and Urban Systems</i> , 2009, 33, 200-210.	3.3	17
57	Determinants of route choice behavior: A comparison of shop versus work trips using the Potential Path Area - Gateway (PPAG) algorithm and Path-Size Logit. <i>Journal of Transport Geography</i> , 2017, 59, 59-68.	2.3	17
58	Route Choice Efficiency: An Investigation of Home-To-Work Trips Using GPS Data. <i>Environment and Planning A</i> , 2013, 45, 263-275.	2.1	16
59	Immigrant status and commute distance: an exploratory study based on the greater Golden Horseshoe. <i>Transportation</i> , 2017, 44, 181-198.	2.1	15
60	Exploring Spatial Dynamics with Land Price Indexes. <i>Urban Studies</i> , 2011, 48, 719-735.	2.2	14
61	Migration, commuting distance, and urban sustainability in Ontario's Greater Golden Horseshoe: Implications of the <i>Greenbelt</i> and <i>Places to Grow</i> legislation. <i>Canadian Geographer / Géographie Canadien</i> , 2013, 57, 474-487.	1.0	14
62	Making mode detection transferable: extracting activity and travel episodes from GPS data using the multinomial logit model and Python. <i>Transportation Planning and Technology</i> , 2017, 40, 523-539.	0.9	14
63	The impact of driving status on out-of-home and social activity engagement among older Canadians. <i>Journal of Transport Geography</i> , 2020, 85, 102698.	2.3	14
64	Investigation of Planning Priority of Joint Activities in Household Activity-Scheduling Process. <i>Transportation Research Record</i> , 2009, 2134, 82-88.	1.0	13
65	A spatial modeling approach to estimating bike share traffic volume from GPS data. <i>Sustainable Cities and Society</i> , 2022, 76, 103401.	5.1	13
66	A Demographic Model for Small Area Population Projections: An Application to the Census Metropolitan Area of Hamilton in Ontario, Canada. <i>Environment and Planning A</i> , 2009, 41, 964-979.	2.1	11
67	The space race: A framework to evaluate the potential travel-time impacts of reallocating road space to bicycle facilities. <i>Journal of Transport Geography</i> , 2016, 56, 110-119.	2.3	11
68	Urban Mobility and Social-Spatial Contact-Introduction. <i>Environment and Planning A</i> , 2012, 44, 1011-1015.	2.1	10
69	Durations and Domains of Daily Aerobic Activity: Evidence From the 2010 Canadian Time-Use Survey. <i>Journal of Physical Activity and Health</i> , 2014, 11, 895-902.	1.0	10
70	Role of the built environment on trip-chaining behavior: an investigation of workers and non-workers in Halifax, Nova Scotia. <i>Transportation</i> , 2020, 47, 737-761.	2.1	10
71	Locations, Commitments and Activity Spaces. , 2004, , 205-230.		10
72	GIS-based episode reconstruction toolkit (GERT): A transferable, modular, and scalable framework for automated extraction of activity episodes from GPS data. <i>Travel Behaviour & Society</i> , 2018, 11, 121-130.	2.4	9

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73	Design of a survey to assess prospects for consumer electric mobility in Canada: a retrospective appraisal. <i>Transportation</i> , 2020, 47, 1223-1250.	2.1	9
74	Using environmental audits and photo-journeys to compare objective attributes and bicyclists' perceptions of bicycle routes. <i>Journal of Transport and Health</i> , 2021, 22, 101092.	1.1	9
75	Correlates of bicycling trip flows in Hamilton, Ontario: fastest, quietest, or balanced routes?. <i>Transportation</i> , 0, , 1.	2.1	8
76	Spatial statistics for urban analysis: A review of techniques with examples. <i>Geo Journal</i> , 2005, 61, 53.	1.7	8
77	Simulation Framework for Analysis of Elderly Mobility Policies. <i>Transportation Research Record</i> , 2008, 2078, 62-71.	1.0	7
78	Altering School Attendance Times to Prevent Child Pedestrian Injuries. <i>Traffic Injury Prevention</i> , 2013, 14, 405-412.	0.6	7
79	Embracing activity analysis in transport geography: Merits, challenges and research frontiers. <i>Journal of Transport Geography</i> , 2006, 14, 389-392.	2.3	6
80	Child pedestrian injuries and urban change. <i>Injury Prevention</i> , 2011, 17, 9-14.	1.2	6
81	Development and application of an iterative heuristic for roadway snow and ice control. <i>Transportation Research, Part A: Policy and Practice</i> , 2019, 127, 18-31.	2.0	6
82	An analysis of the built environment and auto travel in Halifax, Canada. <i>Transport Policy</i> , 2020, 94, 23-33.	3.4	6
83	An exploration of issues related to the study of generated traffic and other impacts arising from highway improvements. <i>Environment and Planning B: Planning and Design</i> , 2009, 36, 67-85.	1.7	5
84	Special section: Innovations in location choice modeling underlying activity-travel behavior. <i>Journal of Transport and Land Use</i> , 2014, 7, 1.	0.7	5
85	Current issues in mode choice modeling. <i>Transportation</i> , 2011, 38, 581-585.	2.1	4
86	Carer-employees' travel behaviour: Assisted-transport in time and space. <i>Journal of Transport Geography</i> , 2020, 82, 102558.	2.3	4
87	Shared mobility adoption from 2016 to 2018 in the Greater Toronto and Hamilton Area: Demographic or geographic diffusion?. <i>Journal of Transport Geography</i> , 2021, 96, 103197.	2.3	4
88	Cities and Growth: Human Capital Location Choice: Accounting for Amenities and Thick Labour Markets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4
89	Identifying 'Sensible Locations' for Separated Bike Lanes on a Congested Urban Road Network: A Toronto Case Study. <i>Professional Geographer</i> , 2018, 70, 541-551.	1.0	3
90	A comparison of young and older adults' attitudes and preferences towards different travel modes and residential characteristics: A study in Hamilton, Ontario. <i>Canadian Geographer / Geographie Canadien</i> , 2022, 66, 76-93.	1.0	3

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91	A geography of moral hazard: Sources and sinks of motor-vehicle commuting externalities. Health and Place, 2014, 29, 161-170.	1.5	1
92	Generational Differences in Trip Timing and Purpose: Evidence from Canada. Growth and Change, 2018, 49, 361-373.	1.3	1
93	Navigating the Best Path to Optimality in a University Grants Administration Workload Assignment Problem. Decision Sciences, 2020, 51, 786-803.	3.2	1
94	Strategic Location of Satellite Salt Facilities for Roadway Snow and Ice Control. Transportation Research Record, 2015, 2482, 32-40.	1.0	0