

Robert B Noland

List of Publications by Citations

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

150
papers

6,474
citations

39
h-index

75
g-index

158
ext. papers

7,554
ext. citations

4.3
avg, IF

6.49
L-index

#	Paper	IF	Citations
150	Current map-matching algorithms for transport applications: State-of-the art and future research directions. <i>Transportation Research Part C: Emerging Technologies</i> , 2007 , 15, 312-328	8.4	533
149	A meta-analysis of estimates of urban agglomeration economies. <i>Regional Science and Urban Economics</i> , 2009 , 39, 332-342	2.2	425
148	Travel time variability: A review of theoretical and empirical issues. <i>Transport Reviews</i> , 2002 , 22, 39-54	9.9	248
147	An analysis of motorcycle injury and vehicle damage severity using ordered probit models. <i>Journal of Safety Research</i> , 2002 , 33, 445-62	4	239
146	A general map matching algorithm for transport telematics applications. <i>GPS Solutions</i> , 2003 , 7, 157-167	4.4	236
145	A spatially disaggregate analysis of road casualties in England. <i>Accident Analysis and Prevention</i> , 2004 , 36, 973-84	6.1	188
144	Evolving Understanding of Antarctic Ice-Sheet Physics and Ambiguity in Probabilistic Sea-Level Projections. <i>Earth's Future</i> , 2017 , 5, 1217-1233	7.9	175
143	The effect of infrastructure and demographic change on traffic-related fatalities and crashes: a case study of Illinois county-level data. <i>Accident Analysis and Prevention</i> , 2004 , 36, 525-32	6.1	171
142	The impact of weather conditions on bikeshare trips in Washington, DC. <i>Transportation</i> , 2014 , 41, 1205-1225	12.5	166
141	Traffic fatalities and injuries: the effect of changes in infrastructure and other trends. <i>Accident Analysis and Prevention</i> , 2003 , 35, 599-611	6.1	159
140	A High Accuracy Fuzzy Logic Based Map Matching Algorithm for Road Transport. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2006 , 10, 103-115	3.2	145
139	A review of the evidence for induced travel and changes in transportation and environmental policy in the US and the UK. <i>Transportation Research, Part D: Transport and Environment</i> , 2002 , 7, 1-26	6.4	143
138	Mode choice of older and disabled people: a case study of shopping trips in London. <i>Journal of Transport Geography</i> , 2008 , 16, 257-267	5.2	129
137	Simulating travel reliability. <i>Regional Science and Urban Economics</i> , 1998 , 28, 535-564	2.2	109
136	Estimating the effect of urban density on fuel demand. <i>Energy Economics</i> , 2010 , 32, 86-92	8.3	95
135	Short-run and long-run policies for increasing bicycle transportation for daily commuter trips. <i>Transport Policy</i> , 1995 , 2, 67-79	5.7	88
134	Bikeshare trip generation in New York City. <i>Transportation Research, Part A: Policy and Practice</i> , 2016 , 94, 164-181	3.7	84

133	Behavioural Issues in Pedestrian Speed Choice and Street Crossing Behaviour: A Review. <i>Transport Reviews</i> , 2008 , 28, 61-85	9.9	82
132	Perceived risk and modal choice: risk compensation in transportation systems. <i>Accident Analysis and Prevention</i> , 1995 , 27, 503-21	6.1	73
131	Relationships between highway capacity and induced vehicle travel. <i>Transportation Research, Part A: Policy and Practice</i> , 2001 , 35, 47-72	3.7	69
130	Spatial associations of dockless shared e-scooter usage. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 86, 102396	6.4	68
129	Integrity of map-matching algorithms. <i>Transportation Research Part C: Emerging Technologies</i> , 2006 , 14, 283-302	8.4	68
128	Do Public Transport Improvements Increase Agglomeration Economies? A Review of Literature and an Agenda for Research. <i>Transport Reviews</i> , 2011 , 31, 725-742	9.9	65
127	Reducing the climate change impacts of aviation by restricting cruise altitudes. <i>Transportation Research, Part D: Transport and Environment</i> , 2002 , 7, 451-464	6.4	64
126	Extreme sea level implications of 1.5 °C, 2.0 °C, and 2.5 °C temperature stabilization targets in the 21st and 22nd centuries. <i>Environmental Research Letters</i> , 2018 , 13, 034040	6.2	60
125	Factors associated with the relationship between motorcycle deaths and economic growth. <i>Accident Analysis and Prevention</i> , 2009 , 41, 234-40	6.1	58
124	TESTING FOR CAUSALITY BETWEEN PRODUCTIVITY AND AGGLOMERATION ECONOMIES. <i>Journal of Regional Science</i> , 2010 , 50, 935-951	1.8	55
123	Congestion and safety: A spatial analysis of London. <i>Transportation Research, Part A: Policy and Practice</i> , 2005 , 39, 737-754	3.7	53
122	Analysis of Pedestrian and Bicycle Casualties with Regional Panel Data. <i>Transportation Research Record</i> , 2004 , 1897, 28-33	1.7	53
121	Flow improvements and vehicle emissions: Effects of trip generation and emission control technology. <i>Transportation Research, Part D: Transport and Environment</i> , 2006 , 11, 1-14	6.4	52
120	Gasoline Demand with Heterogeneity in Household Responses. <i>Energy Journal</i> , 2010 , 31,	3.5	52
119	Estimating Trip Generation of Elderly and Disabled People: Analysis of London Data. <i>Transportation Research Record</i> , 2005 , 1924, 9-18	1.7	51
118	Does the commute mode affect the frequency of walking behavior? The public transit link. <i>Transport Policy</i> , 2012 , 21, 26-36	5.7	50
117	Estimating Trip Generation of Elderly and Disabled People: Analysis of London Data		48
116	Transit Service, Physical Agglomeration and Productivity in US Metropolitan Areas. <i>Urban Studies</i> , 2014 , 51, 917-937	3.2	45

115	Medical treatment and traffic fatality reductions in industrialized countries. <i>Accident Analysis and Prevention</i> , 2003 , 35, 877-83	6.1	45
114	Residential property valuations near transit stations with transit-oriented development. <i>Journal of Transport Geography</i> , 2014 , 39, 131-140	5.2	44
113	Improvements in medical care and technology and reductions in traffic-related fatalities in Great Britain. <i>Accident Analysis and Prevention</i> , 2004 , 36, 103-13	6.1	43
112	Modelling fuel demand for different socio-economic groups. <i>Applied Energy</i> , 2009 , 86, 2740-2749	10.7	40
111	Rapid escalation of coastal flood exposure in US municipalities from sea level rise. <i>Climatic Change</i> , 2017 , 142, 477-489	4.5	39
110	Equity analysis of personal tradable carbon permits for the road transport sector. <i>Environmental Science and Policy</i> , 2008 , 11, 533-544	6.2	38
109	Building new roads really does create extra traffic: a response to Prakash et al.. <i>Applied Economics</i> , 2003 , 35, 1451-1457	1.6	37
108	Utility of Schedules: Theoretical Model of Departure-Time Choice and Activity-Time Allocation with Application to Individual Activity Schedules. <i>Transportation Research Record</i> , 2004 , 1894, 84-98	1.7	37
107	Attitudes towards road pricing and environmental taxation among US and UK students. <i>Transportation Research, Part A: Policy and Practice</i> , 2013 , 48, 50-62	3.7	36
106	Validation of Map Matching Algorithms using High Precision Positioning with GPS. <i>Journal of Navigation</i> , 2005 , 58, 257-271	2.3	36
105	An analysis of trip chaining among older London residents. <i>Transportation</i> , 2010 , 37, 105-123	4	35
104	Analysis of Metropolitan Highway Capacity and the growth in vehicle miles of travel. <i>Transportation</i> , 2000 , 27, 363-390	4	35
103	The sources of the Kuznets relationship between road fatalities and economic growth. <i>Journal of Transport Geography</i> , 2011 , 19, 355-365	5.2	34
102	Highway infrastructure and state-level employment: A causal spatial analysis. <i>Papers in Regional Science</i> , 2009 , 88, 133-159	1.8	34
101	The effect of the London congestion charge on road casualties: an intervention analysis. <i>Transportation</i> , 2007 , 35, 73-91	4	34
100	Public support for policies to reduce risk after Hurricane Sandy. <i>Risk Analysis</i> , 2014 , 34, 997-1012	3.9	33
99	An analysis of gasoline demand elasticities at the national and local levels in Mexico. <i>Energy Policy</i> , 2010 , 38, 4445-4456	7.2	33
98	Trade-offs between vehicular and pedestrian traffic using micro-simulation methods. <i>Transport Policy</i> , 2007 , 14, 124-138	5.7	33

97	Attitudes towards privately-owned and shared autonomous vehicles. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020 , 72, 297-306	4.5	32
96	Teaching children about bicycle safety: an evaluation of the New Jersey Bike School program. <i>Accident Analysis and Prevention</i> , 2013 , 52, 237-49	6.1	32
95	Multivariate Analysis of Trip-Chaining Behavior. <i>Environment and Planning B: Planning and Design</i> , 2007 , 34, 953-970		31
94	Variability of contrail formation conditions and the implications for policies to reduce the climate impacts of aviation. <i>Transportation Research, Part D: Transport and Environment</i> , 2005 , 10, 269-280	6.4	31
93	Trip patterns and revenue of shared e-scooters in Louisville, Kentucky		31
92	Do lower income areas have more pedestrian casualties?. <i>Accident Analysis and Prevention</i> , 2013 , 59, 337-45	6.1	30
91	The severity of pedestrian crashes: an analysis using Google Street View imagery. <i>Journal of Transport Geography</i> , 2013 , 33, 42-53	5.2	29
90	Pedestrian and Vehicle Flow Calibration in Multimodal Traffic Microsimulation. <i>Journal of Transportation Engineering</i> , 2009 , 135, 338-348		29
89	Commuter Responses to Travel Time Uncertainty under Congested Conditions: Expected Costs and the Provision of Information. <i>Journal of Urban Economics</i> , 1997 , 41, 377-406	4.1	29
88	Bikeshare and subway ridership changes during the COVID-19 pandemic in New York City.. <i>Transport Policy</i> , 2021 , 106, 262-270	5.7	29
87	Achieving reductions in greenhouse gases in the US road transportation sector. <i>Energy Policy</i> , 2014 , 69, 536-545	7.2	28
86	Has the great recession and its aftermath reduced traffic fatalities?. <i>Accident Analysis and Prevention</i> , 2017 , 98, 130-138	6.1	28
85	Travel demand policies for saving oil during a supply emergency. <i>Energy Policy</i> , 2006 , 34, 2994-3005	7.2	28
84	HIGHWAY INFRASTRUCTURE INVESTMENT AND COUNTY EMPLOYMENT GROWTH: A DYNAMIC PANEL REGRESSION ANALYSIS*. <i>Journal of Regional Science</i> , 2009 , 49, 263-286	1.8	26
83	Air transport cruise altitude restrictions to minimize contrail formation. <i>Climate Policy</i> , 2003 , 3, 207-219	5.3	26
82	Induced Travel and Emissions from Traffic Flow Improvement Projects. <i>Transportation Research Record</i> , 2003 , 1842, 57-63	1.7	26
81	A semiparametric model of household gasoline demand. <i>Energy Economics</i> , 2010 , 32, 93-101	8.3	25
80	Eye-tracking technology, visual preference surveys, and urban design: preliminary evidence of an effective methodology. <i>Journal of Urbanism</i> , 2017 , 10, 98-110	1.2	24

79	A tentative analysis of the impacts of an airport closure. <i>Journal of Air Transport Management</i> , 2009 , 15, 241-248	5.1	24
78	From theory to practice in road safety policy: Understanding risk versus mobility. <i>Research in Transportation Economics</i> , 2013 , 43, 71-84	2.4	23
77	Active school trips: associations with caregiver walking frequency. <i>Transport Policy</i> , 2013 , 29, 23-28	5.7	22
76	Estimates of UK CO2 emissions from aviation using air traffic data. <i>Climatic Change</i> , 2008 , 88, 367-384	4.5	22
75	Attitudes towards transit-oriented development: Resident experiences and professional perspectives. <i>Journal of Transport Geography</i> , 2017 , 60, 130-140	5.2	22
74	Greenhouse gas emissions from road construction: An assessment of alternative staging approaches. <i>Transportation Research, Part D: Transport and Environment</i> , 2015 , 40, 97-103	6.4	21
73	Factors Affecting the Frequency and Severity of Airport Weather Delays and the Implications of Climate Change for Future Delays. <i>Transportation Research Record</i> , 2009 , 2139, 97-106	1.7	21
72	Mobility and the effective reproduction rate of COVID-19. <i>Journal of Transport and Health</i> , 2021 , 20, 101016	3	21
71	Life-cycle greenhouse gas emissions associated with a highway reconstruction: a New Jersey case study. <i>Journal of Cleaner Production</i> , 2015 , 107, 731-740	10.3	20
70	The effect of labour market spatial structure on commuting in England and Wales □ <i>Journal of Economic Geography</i> , 2012 , 12, 717-737	3.7	20
69	Causal linkages between highways and sector-level employment. <i>Transportation Research, Part A: Policy and Practice</i> , 2010 , 44, 265-280	3.7	20
68	Microscopic Model of Air Pollutant Concentrations: Comparison of Simulated Results with Measured and Macroscopic Estimates. <i>Transportation Research Record</i> , 2001 , 1750, 64-73	1.7	20
67	Bikesharing in Philadelphia: Do lower-income areas generate trips?. <i>Travel Behaviour & Society</i> , 2019 , 16, 143-152	5.3	19
66	Firm Births, Access to Transit, and Agglomeration in Portland, Oregon, and Dallas, Texas. <i>Transportation Research Record</i> , 2016 , 2598, 1-10	1.7	19
65	A cointegration analysis of gasoline demand in the United States. <i>Applied Economics</i> , 2009 , 41, 3327-3336	6.6	19
64	Transport Planning and Environmental Assessment: Implications of Induced Travel Effects. <i>International Journal of Sustainable Transportation</i> , 2007 , 1, 1-28	3.6	19
63	Fuel economy and traffic fatalities: multivariate analysis of international data. <i>Energy Policy</i> , 2005 , 33, 2183-2190	7.2	19
62	Pedestrian Travel Times and Motor Vehicle Traffic Signals		18

61	Bikesharing Trip Patterns in New York City: Associations with Land Use, Subways, and Bicycle Lanes. <i>International Journal of Sustainable Transportation</i> , 2019 , 13, 664-674	3.6	18
60	Life-Cycle Greenhouse Gas Emissions of Materials Used in Road Construction. <i>Transportation Research Record</i> , 2012 , 2287, 174-181	1.7	17
59	Walking frequency, cars, dogs, and the built environment. <i>Transportation Research, Part A: Policy and Practice</i> , 2011 , 45, 741-754	3.7	17
58	A Statewide Analysis of Bicycling in New Jersey. <i>International Journal of Sustainable Transportation</i> , 2011 , 5, 251-269	3.6	17
57	Comparing the CO2 emissions and contrail formation from short and long haul air traffic routes from London Heathrow. <i>Environmental Science and Policy</i> , 2006 , 9, 487-495	6.2	17
56	A spatial and temporal analysis of safety-belt usage and safety-belt laws. <i>Accident Analysis and Prevention</i> , 2004 , 36, 551-60	6.1	17
55	Costs and benefits of a road diet conversion. <i>Case Studies on Transport Policy</i> , 2015 , 3, 449-458	2.7	16
54	Variation in ride-hailing trips in Chengdu, China. <i>Transportation Research, Part D: Transport and Environment</i> , 2021 , 90, 102596	6.4	16
53	Is the Mexico City metro an inferior good?. <i>Transport Policy</i> , 2009 , 16, 40-45	5.7	15
52	Modelling of particulate matter mass emissions from a light-duty diesel vehicle. <i>Transportation Research, Part D: Transport and Environment</i> , 2006 , 11, 344-357	6.4	15
51	Space-Time User Benefit and Utility Accessibility Measures for Individual Activity Schedules. <i>Transportation Research Record</i> , 2003 , 1854, 62-73	1.7	15
50	Transit-oriented development and the frequency of modal use. <i>Journal of Transport and Land Use</i> , 2015 , 8,	3.1	15
49	Highway infrastructure and private output: evidence from static and dynamic production function models. <i>Transportmetrica</i> , 2011 , 7, 347-367		14
48	A mode choice analysis of school trips in New Jersey. <i>Journal of Transport and Land Use</i> , 2014 , 7, 111	3.1	14
47	The Effects of Navigation Sensors and Spatial Road Network Data Quality on the Performance of Map Matching Algorithms. <i>Geoinformatica</i> , 2009 , 13, 85-108	2.5	13
46	Impact of Transport Infrastructure on Firm Formation: Evidence from Portuguese Municipalities. <i>Transportation Research Record</i> , 2010 , 2163, 133-143	1.7	13
45	Simulated pedestrian travel and exposure to vehicle emissions. <i>Transportation Research, Part D: Transport and Environment</i> , 2008 , 13, 27-46	6.4	13
44	Motor Vehicle Fuel Efficiency and Traffic Fatalities. <i>Energy Journal</i> , 2004 , 25,	3.5	13

43	The direct and indirect effects of corruption on motor vehicle crash deaths. <i>Accident Analysis and Prevention</i> , 2010 , 42, 1934-42	6.1	12
42	The vehicle emissions and performance monitoring system: analysis of tailpipe emissions and vehicle performance. <i>Transportation Planning and Technology</i> , 2004 , 27, 431-447	1.6	12
41	Multimodal Microsimulation of Vehicle and Pedestrian Signal Timings		12
40	Spatial Analysis of Income Disparities in Pedestrian Safety in Northern New Jersey: Is There an Environmental Justice Issue?. <i>Transportation Research Record</i> , 2012 , 2320, 10-17	1.7	11
39	How good is pedestrian fatality data?. <i>Journal of Transport and Health</i> , 2017 , 7, 3-9	3	10
38	The Role of Metro Fares, Income, Metro Quality of Service and Fuel Prices for Sustainable Transportation in Mexico City. <i>International Journal of Sustainable Transportation</i> , 2011 , 5, 1-24	3.6	10
37	Estimation of Road Traffic Demand Elasticities for Mexico City, Mexico. <i>Transportation Research Record</i> , 2009 , 2134, 99-105	1.7	10
36	Inconsistencies in Associations between Crime and Walking: A Reflection of Poverty and Density. <i>International Journal of Sustainable Transportation</i> , 2015 , 9, 103-115	3.6	9
35	Quantifying Transportation Benefits of Transit-Oriented Development in New Jersey. <i>Transportation Research Record</i> , 2014 , 2417, 111-120	1.7	9
34	Sensitivity of crash models to alternative specifications. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2005 , 41, 439-458	9	9
33	A REVIEW OF THE IMPACT OF MEDICAL CARE AND TECHNOLOGY IN REDUCING TRAFFIC FATALITIES. <i>IATSS Research</i> , 2004 , 28, 6-12	4.2	8
32	Synthesizing neighborhood preferences for automated vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 120, 102774	8.4	8
31	Factors associated with the enactment of safety belt and motorcycle helmet laws. <i>Risk Analysis</i> , 2013 , 33, 1367-78	3.9	7
30	Pedestrian Travel Times and Motor Vehicle Traffic Signals. <i>Transportation Research Record</i> , 1996 , 1553, 28-33	1.7	7
29	Is it really too far? Overestimating walk time and distance reduces walking. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020 , 74, 522-535	4.5	7
28	Are estimates of crash modification factors mis-specified?. <i>Accident Analysis and Prevention</i> , 2018 , 118, 29-37	6.1	6
27	Consider the non-adopter: Developing a prediction model for the adoption of household-level broadband access. <i>Socio-Economic Planning Sciences</i> , 2012 , 46, 183-193	3.7	6
26	Greenhouse gas emissions associated with materials used in commuter rail lines. <i>International Journal of Sustainable Transportation</i> , 2016 , 10, 475-484	3.6	6

25	Are low income and minority households more likely to die from traffic-related crashes?. <i>Accident Analysis and Prevention</i> , 2018 , 120, 233-238	6.1	6
24	Employment accessibility and rising seas. <i>Transportation Research, Part D: Transport and Environment</i> , 2019 , 77, 560-572	6.4	5
23	Understanding Accessibility and Road Capacity Changes: A Response in Support of Metz. <i>Transport Reviews</i> , 2008 , 28, 698-706	9.9	5
22	Scotin the rain: Does weather affect micromobility?. <i>Transportation Research, Part A: Policy and Practice</i> , 2021 , 149, 114-123	3.7	5
21	Residential Property Values and New Jersey Transit Village Program. <i>Transportation Research Record</i> , 2012 , 2276, 78-88	1.7	4
20	Conducting Efficient Transit Surveys of Households Surrounding Transit-Oriented Developments. <i>Transportation Research Record</i> , 2016 , 2594, 44-50	1.7	4
19	Nonwork Trips Associated with Transit-Oriented Development. <i>Transportation Research Record</i> , 2017 , 2606, 46-53	1.7	3
18	Are Cell Phone Samples Needed for Studies of Walking Activity?. <i>Transportation Research Record</i> , 2012 , 2285, 56-65	1.7	3
17	Multimodal Microsimulation of Vehicle and Pedestrian Signal Timings. <i>Transportation Research Record</i> , 2005 , 1939, 107-114	1.7	3
16	The costs of completing unfinished US nuclear power plants. <i>Energy Policy</i> , 1988 , 16, 270-279	7.2	3
15	Environmental Consequences of Reducing the Federal Role in Transportation: Legal Framework. <i>Transportation Research Record</i> , 1998 , 1626, 3-10	1.7	3
14	Bikeshare trips in Seoul, South Korea. <i>Case Studies on Transport Policy</i> , 2021 , 9, 743-755	2.7	3
13	An evaluation of transit procurement training. <i>Evaluation and Program Planning</i> , 2017 , 61, 1-7	1.7	2
12	Methodology for Determining the Economic Development Impacts of Transit Projects 2012 ,		2
11	How Does Induced Travel Affect Sustainable Transportation Policy? 2013 , 70-85		2
10	Spatial Distributions of Attitudes and Preferences towards Autonomous Vehicles. <i>Findings</i> ,		2
9	How much disruption to activities could fuel shortages cause? The British fuel crisis of September 2000. <i>Transportation</i> , 2003 , 30, 459-481	4	1
8	Simulated Travel Impacts of High-Occupancy Vehicle Lane Conversion Alternatives. <i>Transportation Research Record</i> , 2001 , 1765, 1-7	1.7	1

7	Devolution of Surface Transportation: Preliminary Assessment of Revenue and Financial Aspects. <i>Transportation Research Record</i> , 1998 , 1649, 26-36	1.7	1
6	The first 25 years of Transportation Research Part D: Transport and Environment. <i>Transportation Research, Part D: Transport and Environment</i> , 2021 , 100, 103078	6.4	1
5	What is the elasticity of sharing a ridesourcing trip?. <i>Transportation Research, Part A: Policy and Practice</i> , 2021 , 153, 284-305	3.7	1
4	A rejoinder to the critique of Costs and Benefits of a Road Diet Conversion Case Studies on <i>Transport Policy</i> , 2017 , 5, 102-104	2.7	
3	Fighting Traffic: The Dawn of the Motor Age in the American City. <i>Journal of the American Planning Association</i> , 2009 , 75, 497-498	2.9	
2	Emissions Impact of Eliminating National Speed Limits: One Year Later. <i>Transportation Research Record</i> , 1997 , 1587, 113-120	1.7	
1	Pedestrian Safety Versus Traffic Flow: Finding the Balance. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021 , 165-187	0.4	