Xinyu Cao

List of Publications by Year
in descending order

137 papers	9,657 citations

36271	42364
51 h-index	92 g-index

139 all docs	139 docs citations
139 times ranked	4117 citing authors

#	Article	IF	Citations
1	Exploring the Nonlinear Relationship between the Built Environment and Active Travel in the Twin Cities. Journal of Planning Education and Research, 2023, 43, 637-652.	1.5	47
2	Residential self-selection in the relationship between the built environment and travel behavior: A literature review and research agenda. Advances in Transport Policy and Planning, 2022, , 75-94.	0.7	20
3	Nonlinear and interaction effects of land use and motorcycles/E-bikes on car ownership. Transportation Research, Part D: Transport and Environment, 2022, 102, 103115.	3.2	28
4	Autonomous vehicle policies with equity implications: Patterns and gaps. Transportation Research Interdisciplinary Perspectives, 2022, 13, 100521.	1.6	11
5	Exploring the importance of neighborhood characteristics to and their nonlinear effects on life satisfaction of displaced senior farmers. Cities, 2022, 124, 103605.	2.7	11
6	Examining motivations for owning autonomous vehicles: Implications for land use and transportation. Journal of Transport Geography, 2022, 102, 103361.	2.3	6
7	Elaborating non-linear associations and synergies of subway access and land uses with urban vitality in Shenzhen. Transportation Research, Part A: Policy and Practice, 2021, 144, 74-88.	2.0	54
8	Exploring satisfaction of choice and captive bus riders: An impact asymmetry analysis. Transportation Research, Part D: Transport and Environment, 2021, 93, 102798.	3.2	24
9	Driving as a commuting travel mode choice of car owners in urban China: Roles of the built environment. Cities, 2021, 112, 103114.	2.7	31
10	Non-linear associations between zonal built environment attributes and transit commuting mode choice accounting for spatial heterogeneity. Transportation Research, Part A: Policy and Practice, 2021, 148, 22-35.	2.0	40
11	Association between subway and life satisfaction: Evidence from Xiâ€™an, China. Transportation Research, Part D: Transport and Environment, 2021, 96, 102869.	3.2	27
12	How does same-day-delivery online shopping reshape social interactions among neighbors in Nanjing?. Cities, 2021, 114, 103219.	2.7	8
13	The impacts of vehicle automation on transport-disadvantaged people. Transportation Research Interdisciplinary Perspectives, 2021, 11, 100447.	1.6	5
14	The first 25Âyears of Transportation Research Part D: Transport and Environment. Transportation Research, Part D: Transport and Environment, 2021, 100, 103078.	3.2	5
15	The interaction between e-shopping and store shopping: empirical evidence from Nanjing, China. Transportation Letters, 2020, 12, 157-165.	1.8	29
16	A panel analysis of the effect of the urban environment on the spatiotemporal pattern of taxi demand. Travel Behaviour & Society, 2020, 18, 29-36.	2.4	37
17	Exploring rider satisfaction with arterial BRT: An application of impact asymmetry analysis. Travel Behaviour & Society, 2020, 19, 82-89.	2.4	34
18	Exploring the non-linear associations between spatial attributes and walking distance to transit. Journal of Transport Geography, 2020, 82, 102560.	2.3	108

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19	Threshold and moderating effects of land use on metro ridership in Shenzhen: Implications for TOD planning. Journal of Transport Geography, 2020, 89, 102878.	2.3	98
20	Examining non-linear associations between population density and waist-hip ratio: An application of gradient boosting decision trees. Cities, 2020, 107, 102899.	2.7	29
21	On the importance of Shenzhen metro transit to land development and threshold effect. Transport Policy, 2020, 99, 1-11.	3.4	19
22	Marginal Impacts of Park-and-Ride Facilities in the Twin Cities Region of the US. Transportation Research Record, 2020, 2674, 403-413.	1.0	2
23	Nonlinear effect of accessibility on car ownership in Beijing: Pedestrian-scale neighborhood planning. Transportation Research, Part D: Transport and Environment, 2020, 86, 102445.	3.2	91
24	Prioritizing neighborhood attributes to enhance neighborhood satisfaction: An impact asymmetry analysis. Cities, 2020, 105, 102854.	2.7	22
25	Exploring the asymmetric influences of stop attributes on rider satisfaction with bus stops. Travel Behaviour & Society, 2020, 19, 162-169.	2.4	20
26	The impacts of same day delivery online shopping on local store shopping in Nanjing, China. Transportation Research, Part A: Policy and Practice, 2020, 136, 35-47.	2.0	31
27	Examining the effect of the Hiawatha LRT on auto use in the Twin Cities. Transport Policy, 2019, 81, 284-292.	3.4	18
28	Examining threshold effects of built environment elements on travel-related carbon-dioxide emissions. Transportation Research, Part D: Transport and Environment, 2019, 75, 1-12.	3.2	93
29	Non-linear relationships between built environment characteristics and electric-bike ownership in Zhongshan, China. Transportation Research, Part D: Transport and Environment, 2019, 75, 286-296.	3.2	45
30	Built environment effects on fuel consumption of driving to work: Insights from on-board diagnostics data of personal vehicles. Transportation Research, Part D: Transport and Environment, 2019, 67, 565-575.	3.2	22
31	How does the built environment at residential and work locations affect car ownership? An application of cross-classified multilevel model. Journal of Transport Geography, 2019, 75, 37-45.	2.3	65
32	Relationship between Online Shopping and Store Shopping in the Shopping Process: Empirical Study for Search Goods and Experience Goods in Nanjing, China. Transportation Research Record, 2019, 2673, 38-47.	1.0	14
33	How does the station-area built environment influence Metrorail ridership? Using gradient boosting decision trees to identify non-linear thresholds. Journal of Transport Geography, 2019, 77, 70-78.	2.3	150
34	Examining pedestrian satisfaction in gated and open communities: An integration of gradient boosting decision trees and impact-asymmetry analysis. Landscape and Urban Planning, 2019, 185, 246-257.	3.4	51
35	Associations among Distance, Quality, and Safety When Walking from a Park-and-Ride Facility to the Transit Station in the Twin Cities. Journal of Planning Education and Research, 2019, 39, 496-507.	1.5	12
36	The role of access and egress in passenger overall satisfaction with high speed rail. Transportation, 2019, 46, 2137-2150.	2.1	15

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37	Travel-based residential self-selection: A qualitatively improved understanding from Norway. Cities, 2019, 87, 87-102.	2.7	33
38	Examining the effects of the built environment on auto ownership in two Norwegian urban regions. Transportation Research, Part D: Transport and Environment, 2019, 67, 464-474.	3.2	62
39	How perceptions mediate the effects of the built environment on travel behavior?. Transportation, 2019, 46, 175-197.	2.1	83
40	Exploring rider satisfaction with transit service in Indore, India: an application of the three-factor theory. Transportation Letters, 2019, 11, 469-477.	1.8	20
41	Can metro transit reduce driving? Evidence from Xi'an, China. Transport Policy, 2019, 81, 350-359.	3.4	41
42	Examining Built Environmental Correlates of Neighborhood Satisfaction: A Focus on Analysis Approaches. Journal of Planning Literature, 2018, 33, 419-432.	2.2	28
43	Examining factors that keep residents with high transit preference away from transit-rich zones and associated behavior outcomes. Journal of Transport Geography, 2018, 66, 224-234.	2.3	40
44	The association between spatial attributes and e-shopping in the shopping process for search goods and experience goods: Evidence from Nanjing. Journal of Transport Geography, 2018, 66, 291-299.	2.3	63
45	Using three-factor theory to identify improvement priorities for express and local bus services: An application of regression with dummy variables in the Twin Cities. Transportation Research, Part A: Policy and Practice, 2018, 113, 184-196.	2.0	20
46	Exploring urban-rural disparity of the multiple deprivation index in Guangzhou City from 2000 to 2010. Cities, 2018, 79, 1-11.	2.7	20
47	A geographically and temporally weighted regression model to explore the spatiotemporal influence of built environment on transit ridership. Computers, Environment and Urban Systems, 2018, 70, 113-124.	3.3	184
48	Applying gradient boosting decision trees to examine non-linear effects of the built environment on driving distance in Oslo. Transportation Research, Part A: Policy and Practice, 2018, 110, 107-117.	2.0	164
49	Joint analysis of the spatial impacts of built environment on car ownership and travel mode choice. Transportation Research, Part D: Transport and Environment, 2018, 60, 28-40.	3.2	101
50	When and How Much Did the Green Line LRT Increase Single-Family Housing Values in St. Paul, Minnesota?. Journal of Planning Education and Research, 2018, 38, 427-436.	1.5	25
51	Sustainable station-level planning: An integrated transport and land use design model for transit-oriented development. Journal of Cleaner Production, 2018, 170, 1052-1063.	4.6	85
52	How do passengers use travel time? A case study of Shanghai–Nanjing high speed rail. Transportation, 2018, 45, 451-477.	2.1	38
53	Joint Analysis of the Commuting Departure Time and Travel Mode Choice: Role of the Built Environment. Journal of Advanced Transportation, 2018, 2018, 1-13.	0.9	7
54	Synergistic effects of the built environment and commuting programs on commute mode choice. Transportation Research, Part A: Policy and Practice, 2018, 118, 104-118.	2.0	94

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55	Exploring correlates of passenger satisfaction and service improvement priorities of the Shanghai-Nanjing High Speed Rail. Journal of Transport and Land Use, 2018, 11, .	0.7	24
56	The interactions between e-shopping and store shopping in the shopping process for search goods and experience goods. Transportation, 2017, 44, 885-904.	2.1	68
57	Influences of LRT on travel behaviour: A retrospective study on movers in Minneapolis. Urban Studies, 2017, 54, 2504-2520.	2.2	39
58	Prioritizing Influential Factors for Freeway Incident Clearance Time Prediction Using the Gradient Boosting Decision Trees Method. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2303-2310.	4.7	161
59	Influences of built environment characteristics and individual factors on commuting distance: A multilevel mixture hazard modeling approach. Transportation Research, Part D: Transport and Environment, 2017, 51, 314-325.	3.2	56
60	Exploring the influence of built environment on travel mode choice considering the mediating effects of car ownership and travel distance. Transportation Research, Part A: Policy and Practice, 2017, 100, 65-80.	2.0	169
61	Investigating the impacts of built environment on vehicle miles traveled and energy consumption: Differences between commuting and non-commuting trips. Cities, 2017, 68, 25-36.	2.7	61
62	The effect of BRT implementation and streetscape redesign on physical activity: A case study of Mexico City. Transportation Research, Part A: Policy and Practice, 2017, 100, 337-347.	2.0	16
63	Impacts of the built environment on activity-travel behavior: Are there differences between public and private housing residents in Hong Kong?. Transportation Research, Part A: Policy and Practice, 2017, 103, 25-35.	2.0	24
64	Land use and transportation in China. Transportation Research, Part D: Transport and Environment, 2017, 52, 423-427.	3.2	16
65	Exploring built environment correlates of walking distance of transit egress in the Twin Cities. Journal of Transport Geography, 2017, 64, 132-138.	2.3	36
66	High-speed rail. Transportation Letters, 2017, 9, 185-186.	1.8	10
67	Low carbon cities: Land use and transportation interventions. Journal of Regional Science, 2017, 57, 467-469.	2.1	3
68	Effects of metro transit on the ownership of mobility instruments in Xiâ€™an, China. Transportation Research, Part D: Transport and Environment, 2017, 52, 495-505.	3.2	51
69	Which Dâ€™s are the important ones? The effects of regional location and density on driving distance in Oslo and Stavanger. Journal of Transport and Land Use, 2017, 10, .	0.7	25
70	Comparing importance-performance analysis and three-factor theory in assessing rider satisfaction with transit. Journal of Transport and Land Use, 2017, 10, .	0.7	49
71	Rapid transit and land development in a diverse world. Transport Policy, 2016, 51, 1-3.	3.4	6
72	Associations Between Online Purchasing and Store Purchasing for Four Types of Products in Nanjing, China. Transportation Research Record, 2016, 2566, 93-101.	1.0	54

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73	Environmental correlates of residential satisfaction: An exploration of mismatched neighborhood characteristics in the Twin Cities. Landscape and Urban Planning, 2016, 150, 26-35.	3.4	84
74	A gradient boosting logit model to investigate driver's stop-or-run behavior at signalized intersections using high-resolution traffic data. Transportation Research Part C: Emerging Technologies, 2016, 72, 225-238.	3.9	77
75	A novel analysis of consumption-based carbon footprints in China: Unpacking the effects of urban settlement and rural-to-urban migration. Global Environmental Change, 2016, 39, 285-293.	3.6	50
76	How does the propensity of living near rail transit moderate the influence of rail transit on transit trip frequency in Xi'an?. Journal of Transport Geography, 2016, 54, 194-204.	2.3	41
77	Applying the IPA–Kano model to examine environmental correlates of residential satisfaction: A case study of Xi'an. Habitat International, 2016, 53, 461-472.	2.3	50
78	Real estate development in anticipation of the Green Line light rail transit in St. Paul. Transport Policy, 2016, 51, 24-32.	3.4	30
79	The association between transit access and auto ownership: evidence from Guangzhou, China. Transportation Planning and Technology, 2016, 39, 269-283.	0.9	29
80	How will smart growth land-use policies affect travel? A theoretical discussion on the importance of residential sorting. Environment and Planning B: Planning and Design, 2016, 43, 58-73.	1.7	54
81	How does neighborhood design affect life satisfaction? Evidence from Twin Cities. Travel Behaviour & Society, 2016, 5, 68-76.	2.4	157
82	The Association Between Travel and Satisfaction with Travel and Life: Evidence from the Twin Cities. , 2016, , 151-167.		0
83	Residential Preference and Choice of Movers in Light Rail Neighborhoods in Minneapolis, Minnesota. Transportation Research Record, 2015, 2494, 1-10.	1.0	7
84	Heterogeneous effects of neighborhood type on commute mode choice: An exploration of residential dissonance in the Twin Cities. Journal of Transport Geography, 2015, 48, 188-196.	2.3	64
85	Catalysts and magnets: Built environment and bicycle commuting. Journal of Transport Geography, 2015, 47, 100-108.	2.3	40
86	Exploring the influential factors in incident clearance time: Disentangling causation from self-selection bias. Accident Analysis and Prevention, 2015, 85, 58-65.	3.0	52
87	Examining the impacts of neighborhood design and residential self-selection on active travel: a methodological assessment. Urban Geography, 2015, 36, 236-255.	1.7	67
88	The effects of neighbourhood type and self-selection on driving: a case study of Northern California. , 2015, , .		2
89	Understanding the Role of Built Environment in Reducing Vehicle Miles Traveled Accounting for Spatial Heterogeneity. Sustainability, 2014, 6, 589-601.	1.6	28
90	The Impacts of LRT, Neighbourhood Characteristics, and Self-selection on Auto Ownership: Evidence from Minneapolis-St. Paul. Urban Studies, 2014, 51, 2068-2087.	2.2	72

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91	Exploring the influence of built environment on tour-based commuter mode choice: A cross-classified multilevel modeling approach. Transportation Research, Part D: Transport and Environment, 2014, 32, 230-238.	3.2	93
92	The influence of light rail transit on transit use: An exploration of station area residents along the Hiawatha line in Minneapolis. Transportation Research, Part A: Policy and Practice, 2014, 59, 134-143.	2.0	41
93	Walking for Purpose and Pleasure. Transportation Research Record, 2014, 2464, 67-76.	1.0	22
94	Satisfaction with travel and residential self-selection: How do preferences moderate the impact of the Hiawatha Light Rail Transit line?. Journal of Transport and Land Use, 2014, 7, 93-108.	0.7	102
95	Residential self-selection in the relationships between the built environment and travel behavior: Introduction to the special issue. Journal of Transport and Land Use, 2014, 7, 1-3.	0.7	53
96	The Impact of Employer Attitude to Green Commuting Plans on Reducing Car Driving: A Mixed Method Analysis. Promet - Traffic - Traffico, 2014, 26, 109-119.	0.3	10
97	The association between light rail transit and satisfactions with travel and life: evidence from Twin Cities. Transportation, 2013, 40, 921-933.	2.1	53
98	Examining the adaptation process of people's behavioral response to high gasoline costs. KSCE Journal of Civil Engineering, 2013, 17, 815-823.	0.9	2
99	Geographic Distribution of E-Shopping. Transportation Research Record, 2013, 2383, 18-26.	1.0	53
100	The Impact of Hiawatha Light Rail on Commercial and Industrial Property Values in Minneapolis. Journal of Public Transportation, 2013, 16, 47-66.	0.3	65
101	Exploring the Influences of Density on Travel Behavior Using Propensity Score Matching. Environment and Planning B: Planning and Design, 2012, 39, 459-470.	1.7	64
102	Understanding neighbourhood design impact on travel behaviour: An application of structural equations model to a British metropolitan data. Transportation Research, Part A: Policy and Practice, 2012, 46, 22-32.	2.0	86
103	The relationships between e-shopping and store shopping in the shopping process of search goods. Transportation Research, Part A: Policy and Practice, 2012, 46, 993-1002.	2.0	58
104	The interactions between e-shopping and traditional in-store shopping: an application of structural equations model. Transportation, 2012, 39, 957-974.	2.1	118
105	The connections among accessibility, self- selection and walking behaviour: a case study of Northern California residents. , 2012, , .		2
106	Influence of E-Shopping on Shopping Travel. Transportation Research Record, 2010, 2157, 147-154.	1.0	59
107	Neighborhood Design and the Accessibility of the Elderly: An Empirical Analysis in Northern California. International Journal of Sustainable Transportation, 2010, 4, 347-371.	2.1	102
108	Exploring Causal Effects of Neighborhood Type on Walking Behavior Using Stratification on the Propensity Score. Environment and Planning A, 2010, 42, 487-504.	2.1	112

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109	Exploring the connections among residential location, self-selection, and driving: Propensity score matching with multiple treatments. Transportation Research, Part A: Policy and Practice, 2010, 44, 797-805.	2.0	57
110	Examining the Impacts of Residential Selfâ€Selection on Travel Behaviour: A Focus on Empirical Findings. Transport Reviews, 2009, 29, 359-395.	4.7	786
111	No Particular Place to Go. Environment and Behavior, 2009, 41, 233-257.	2.1	38
112	Disentangling the influence of neighborhood type and self-selection on driving behavior: an application of sample selection model. Transportation, 2009, 36, 207-222.	2.1	70
113	The relationship between the built environment and nonwork travel: A case study of Northern California. Transportation Research, Part A: Policy and Practice, 2009, 43, 548-559.	2.0	172
114	E-Shopping, Spatial Attributes, and Personal Travel. Transportation Research Record, 2009, 2135, 160-169.	1.0	70
115	Shopping-Related Attitudes: A Factor and Cluster Analysis of Northern California Shoppers. Environment and Planning B: Planning and Design, 2009, 36, 204-228.	1.7	45
116	Examining the impacts of residential self-selection on travel behavior: A focus on methodologies. Transportation Research Part B: Methodological, 2008, 42, 204-228.	2.8	587
117	Differentiating the Influence of Accessibility, Attitudes, and Demographics on Stop Participation and Frequency during the Evening Commute. Environment and Planning B: Planning and Design, 2008, 35, 431-442.	1.7	35
118	The Causal Influence of Neighborhood Design on Physical Activity within the Neighborhood: Evidence from Northern California. American Journal of Health Promotion, 2008, 22, 350-358.	0.9	87
119	Exploring Travel Behavior of Elderly Women in Rural and Small Urban North Dakota. Transportation Research Record, 2008, 2082, 125-131.	1.0	41
120	Is Alternative Development Undersupplied?. Transportation Research Record, 2008, 2077, 97-105.	1.0	32
121	Cross-Sectional and Quasi-Panel Explorations of the Connection between the Built Environment and Auto Ownership. Environment and Planning A, 2007, 39, 830-847.	2.1	115
122	Gender Roleâ€"Based Differences in Time Allocation. Transportation Research Record, 2007, 2014, 58-66.	1.0	36
123	Do changes in neighborhood characteristics lead to changes in travel behavior? A structural equations modeling approach. Transportation, 2007, 34, 535-556.	2.1	319
124	Self-Selection in the Relationship between the Built Environment and Walking: Empirical Evidence from Northern California. Journal of the American Planning Association, 2006, 72, 55-74.	0.9	495
125	Voyage of the SS Minivan. Transportation Research Record, 2006, 1956, 141-148.	1.0	15
126	The Influences of the Built Environment and Residential Self-Selection on Pedestrian Behavior: Evidence from Austin, TX. Transportation, 2006, 33, 1-20.	2.1	307

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127	Neighborhood design and vehicle type choice: Evidence from Northern California. Transportation Research, Part D: Transport and Environment, 2006, 11, 133-145.	3.2	77
128	Correlation or causality between the built environment and travel behavior? Evidence from Northern California. Transportation Research, Part D: Transport and Environment, 2005, 10, 427-444.	3.2	789
129	How do individuals adapt their personal travel? A conceptual exploration of the consideration of travel-related strategies. Transport Policy, 2005, 12, 199-206.	3.4	55
130	How do individuals adapt their personal travel? Objective and subjective influences on the consideration of travel-related strategies for San Francisco Bay Area commuters. Transport Policy, 2005, 12, 291-302.	3.4	67
131	The Road Less Traveled: Does Rail Transit Matter?. Journal of Planning Education and Research, 0, , 0739456X2110358.	1.5	2
132	Examining the Impacts of Residential Self‐Selection on Travel Behaviour: A Focus on Empirical Findings. , 0, .		1
133	Voyage of the SS Minivan: Women's Travel Behavior in Traditional and Suburban Neighborhoods. , 0, .		12
134	Did the A Line Arterial Bus Rapid Transit Affect Housing Values in Ramsey County, MN?. Findings, 0, , .	0.0	1
135	Preparing Transit in the Advent of Automated Vehicles: A Focus-group Study in the Twin Cities. Findings, 0, , .	0.0	3
136	Exploring changes in public transport use and walking following residential relocation: a British case study. Journal of Transport and Land Use, 0, , .	0.7	12
137	The gaps in satisfaction with transit services among BRT, metro, and bus riders: Evidence from Guangzhou. Journal of Transport and Land Use, 0, , .	0.7	14