Yanwei Chai

List of Publications by Year
in descending order

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72 papers	2,762 citations	201674 27 h-index	189892 50 g-index
72 all docs	72 docs citations	72 times ranked	1958 citing authors

#	Article	IF	Citations
1	The jobsâ€“housing relationship and commuting in Beijing, China: the legacy of Danwei. Journal of Transport Geography, 2009, 17, 30-38.	5.0	259
2	Interaction between Amylose and Tea Polyphenols Modulates the Postprandial Glycemic Response to High-Amylose Maize Starch. Journal of Agricultural and Food Chemistry, 2013, 61, 8608-8615.	5.2	194
3	Exploratory data analysis of activity diary data: a spaceâ€“time GIS approach. Journal of Transport Geography, 2011, 19, 394-404.	5.0	148
4	Built environment diversities and activityâ€“travel behaviour variations in Beijing, China. Journal of Transport Geography, 2011, 19, 1173-1186.	5.0	142
5	Activity Spaces and Sociospatial Segregation in Beijing. Urban Geography, 2012, 33, 256-277.	3.0	130
6	Urban form breeds neighborhood vibrancy: A case study using a GPS-based activity survey in suburban Beijing. Cities, 2018, 74, 100-108.	5.6	128
7	The impact of urban form on CO2 emission from work and non-work trips: The case of Beijing, China. Habitat International, 2015, 47, 1-10.	5.8	116
8	Nonlinear effect of accessibility on car ownership in Beijing: Pedestrian-scale neighborhood planning. Transportation Research, Part D: Transport and Environment, 2020, 86, 102445.	6.8	91
9	Investigating commuting flexibility with GPS data and 3D geovisualization: a case study of Beijing, China. Journal of Transport Geography, 2013, 32, 1-11.	5.0	84
10	Understanding job-housing relationship and commuting pattern in Chinese cities: Past, present and future. Transportation Research, Part D: Transport and Environment, 2017, 52, 562-573.	6.8	82
11	Synergistic Effect of Oleic Acid and Glycerol on Zein Film Plasticization. Journal of Agricultural and Food Chemistry, 2012, 60, 10075-10081.	5.2	79
12	A Multilevel Analysis of Perceived Noise Pollution, Geographic Contexts and Mental Health in Beijing. International Journal of Environmental Research and Public Health, 2018, 15, 1479.	2.6	79
13	Urban form, car ownership and activity space in inner suburbs: A comparison between Beijing (China) and Chicago (United States). Urban Studies, 2016, 53, 1784-1802.	3.7	62
14	Assessing personal noise exposure and its relationship with mental health in Beijing based on individualsâ€™ space-time behavior. Environment International, 2020, 139, 105737.	10.0	58
15	Neighborhood-scale urban form, travel behavior, and CO₂ emissions in Beijing: implications for low-carbon urban planning. Urban Geography, 2017, 38, 381-400.	3.0	57
16	Assessing Mobility-Based Real-Time Air Pollution Exposure in Space and Time Using Smart Sensors and GPS Trajectories in Beijing. Annals of the American Association of Geographers, 2020, 110, 434-448.	2.2	57
17	Spaceâ€“time fixity and flexibility of daily activities and the built environment: A case study of different types of communities in Beijing suburbs. Journal of Transport Geography, 2015, 47, 90-99.	5.0	52
18	Reside nearby, behave apart? Activity-space-based segregation among residents of various types of housing in Beijing, China. Cities, 2019, 88, 166-180.	5.6	47

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19	Understanding the relationships among individual-based momentary measured noise, perceived noise, and psychological stress: A geographic ecological momentary assessment (GEMA) approach. Health and Place, 2020, 64, 102285.	3.3	43
20	An Innovative Context-Based Crystal-Growth Activity Space Method for Environmental Exposure Assessment: A Study Using GIS and GPS Trajectory Data Collected in Chicago. International Journal of Environmental Research and Public Health, 2018, 15, 703.	2.6	40
21	Early birds, night owls, and tireless/recurring itinerants: An exploratory analysis of extreme transit behaviors in Beijing, China. Habitat International, 2016, 57, 223-232.	5.8	39
22	Inferring demographics from human trajectories and geographical context. Computers, Environment and Urban Systems, 2019, 77, 101368.	7.1	39
23	Gender Roleâ€"Based Differences in Time Allocation. Transportation Research Record, 2007, 2014, 58-66.	1.9	36
24	Daily life circle reconstruction: A scheme for sustainable development in urban China. Habitat International, 2015, 50, 250-260.	5.8	35
25	Residentsâ€™ activity-travel behavior variation by communities in Beijing, China. Chinese Geographical Science, 2013, 23, 492-505.	3.0	33
26	Understanding noise exposure, noise annoyance, and psychological stress: Incorporating individual mobility and the temporality of the exposure-effect relationship. Applied Geography, 2020, 125, 102283.	3.7	33
27	Spaceâ€"Time Behavior Research in China: Recent Development and Future Prospect. Annals of the American Association of Geographers, 2013, 103, 1093-1099.	3.0	32
28	The Anatomy of Health-Supportive Neighborhoods: A Multilevel Analysis of Built Environment, Perceived Disorder, Social Interaction and Mental Health in Beijing. International Journal of Environmental Research and Public Health, 2020, 17, 13.	2.6	31
29	Does street greenery always promote active travel? Evidence from Beijing. Urban Forestry and Urban Greening, 2020, 56, 126886.	5.3	29
30	Built environment, peak hours and route choice efficiency: An investigation of commuting efficiency using GPS data. Journal of Transport Geography, 2016, 57, 161-170.	5.0	26
31	Who Could Not Avoid Exposure to High Levels of Residence-Based Pollution by Daily Mobility? Evidence of Air Pollution Exposure from the Perspective of the Neighborhood Effect Averaging Problem (NEAP). International Journal of Environmental Research and Public Health, 2020, 17, 1223.	2.6	24
32	Associations of co-exposures to air pollution and noise with psychological stress in space and time: A case study in Beijing, China. Environmental Research, 2021, 196, 110399.	7.5	24
33	Examining the impacts of ethnicity on space-time behavior: Evidence from the City of Xining, China. Cities, 2017, 64, 26-36.	5.6	23
34	Does real-time and perceived environmental exposure to air pollution and noise affect travel satisfaction? evidence from Beijing, China. Travel Behaviour & Society, 2021, 24, 313-324.	5.0	23
35	Un-gated and integrated Work Unit communities in post-socialist urban China: A case study from Beijing. Habitat International, 2014, 43, 79-89.	5.8	22
36	Gendered Spaceâ€Time Constraints, Activity Participation and Household Structure: A Case Study Using A GPSâ€Based Activity Survey in Suburban Beijing, China. Tijdschrift Voor Economische En Sociale Geografie, 2016, 107, 505-521.	2.1	22

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37	Neighbourhood-scale public spaces, inter-group attitudes and migrant integration in Beijing, China. Urban Studies, 2020, 57, 2491-2509.	3.7	21
38	The Internet and the spaceâ€“time flexibility of daily activities: A case study of Beijing, China. Cities, 2020, 97, 102493.	5.6	20
39	The impact of green space exposure on satisfaction with active travel trips. Transportation Research, Part D: Transport and Environment, 2021, 99, 103022.	6.8	19
40	Can daily mobility alleviate green inequality from living and working environments?. Landscape and Urban Planning, 2021, 214, 104179.	7.5	19
41	Socialâ€contextual exposure of ethnic groups in urban China: From residential place to activity space. Population, Space and Place, 2019, 25, e2248.	2.3	18
42	Help whom and help what? Intergenerational co-residence and the gender differences in time use among dual-earner households in Beijing, China. Urban Studies, 2019, 56, 2058-2074.	3.7	17
43	The impact of immediate urban environments on peopleâ€™s momentary happiness. Urban Studies, 2022, 59, 140-160.	3.7	17
44	Gender disparities in exposure to green space: An empirical study of suburban Beijing. Landscape and Urban Planning, 2022, 222, 104381.	7.5	15
45	The socio-spatial dimension of behavior analysis: Frontiers and progress in Chinese behavioral geography. Journal of Chinese Geography, 2016, 26, 1243-1260.	3.9	14
46	Examining the effects of mobility-based air and noise pollution on activity satisfaction. Transportation Research, Part D: Transport and Environment, 2020, 89, 102633.	6.8	14
47	Measurement of elastic modulus of laser cladding coatings by laser ultrasonic method. Optics and Laser Technology, 2022, 146, 107567.	4.6	13
48	Between haven and heaven in cities: A comparison between Beijing (China) and Utrecht (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	3.7	12
49	Delineation of an Urban Community Life Circle Based on a Machine-Learning Estimation of Spatiotemporal Behavioral Demand. Chinese Geographical Science, 2021, 31, 27-40.	3.0	12
50	Living with urban sounds: Understanding the effects of human mobilities on individual sound exposure and psychological health. Geoforum, 2021, 126, 13-25.	2.5	12
51	EXAMINING THE UNEVEN DISTRIBUTION OF HOUSEHOLD TRAVEL CARBON EMISSIONS WITHIN AND ACROSS NEIGHBORHOODS: THE CASE OF BEIJING. Journal of Regional Science, 2017, 57, 487-506.	3.3	10
52	Downtown retailing development under suburbanizationâ€”A case study of Beijing. Chinese Geographical Science, 2007, 17, 1-9.	3.0	9
53	Analysis of spatial and temporal patterns of daily activities of suburban residents based on GPS data: A case study of the Shangdi-Qinghe area of Beijing. International Review for Spatial Planning and Sustainable Development, 2016, 4, 4-16.	1.1	9
54	Mobility-based environmental justice: Understanding housing disparity in real-time exposure to air pollution and momentary psychological stress in Beijing, China. Social Science and Medicine, 2021, 287, 114372.	3.8	9

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55	Multi-level temporal autoregressive modelling of daily activity satisfaction using GPS-integrated activity diary data. International Journal of Geographical Information Science, 2018, 32, 2189-2208.	4.8	8
56	The effects of activity-related contexts on individual sound exposures: A timeâ€“geographic approach to soundscape studies. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 2073-2092.	2.0	8
57	Interpersonal and Intrapersonal Variabilities in Daily Activity-Travel Patterns: A Networked Spatiotemporal Analysis. ISPRS International Journal of Geo-Information, 2021, 10, 148.	2.9	8
58	Active travel and the built environment: A theoretical model and multidimensional evidence. Transportation Research, Part D: Transport and Environment, 2021, 100, 103029.	6.8	8
59	Property rights redistribution and the spatial evolution of the Chinese danwei compound: a case study in Beijing. Journal of Housing and the Built Environment, 2021, 36, 1585-1602.	1.8	7
60	Tea polyphenols: Enzyme inhibition effect and starch digestibility. Starch/Staerke, 2017, 69, 1600195.	2.1	6
61	Do spatial factors outweigh institutional factors? Changes in influencing factors of home-work separation from 2007 to 2017 in Beijing. Journal of Transport Geography, 2021, 96, 103201.	5.0	6
62	A new time-geography research framework of community life circle. Progress in Geography, 2020, 39, 1961-1971.	0.7	6
63	How Chinese hukou system shapes ethnic dissimilarity in daily activities: a study of Xining, China. Cities, 2022, 122, 103520.	5.6	6
64	Nondestructive measurement of the grain size of laser cladding coatings using a laser ultrasonic method. Applied Optics, 2022, 61, 1885.	1.8	6
65	Spatiotemporal change of land use for deceased in Beijing since the mid-twentieth century. Open Geosciences, 2021, 13, 016-026.	1.7	4
66	Corporate-Run Society: The Practice of the Danwei System in Beijing during the Planned Economy Period. Sustainability, 2020, 12, 1338.	3.2	3
67	Daily Life Activity Space of Hiroshima Citizens. Japanese Journal of Human Geography, 1993, 45, 351-373.	0.2	3
68	Weekly spatiotemporal behavior of suburban residents in family context: A case study of the Shangdi-Qinghe area in Beijing. Progress in Geography, 2021, 40, 597-606.	0.7	2
69	Recent Progress of Human Geography in China: Retrospect and Prospect. Japanese Journal of Human Geography, 2007, 59, 472-492.	0.2	1
70	The diffusion and development of time-geography in East Asia: The academic life paths of two key scholars. Moravian Geographical Reports, 2020, 28, 338-352.	1.2	1
71	Los espacios de movilidad de las poblaciones suburbanas de PekÃn. Documents D' Analisi Geografica, 2017, 63, 277.	0.1	0
72	Economic Development and Land Use Changes in an Inland Area of China: A Case Study of Gansu Province. Springer Geography, 2018, , 57-81.	0.4	0