Yang Xu

List of Publications by Year
in descending order

		489802		445137
34 papers	1,363 citations	18 h-index		33 g-index
34 all docs	34 docs citations	34 times ranked		1300 citing authors

#	Article	IF	Citations
1	Combining individual travel behaviour and collective preferences for next location prediction. Transportmetrica A: Transport Science, 2022, 18, 1754-1776.	1.3	2
2	Beyond Distance Decay: Discover Homophily in Spatially Embedded Social Networks. Annals of the American Association of Geographers, 2022, 112, 505-521.	1.5	8
3	Exploring metro vibrancy and its relationship with built environment: a cross-city comparison using multi-source urban data. Geo-Spatial Information Science, 2022, 25, 182-196.	2.4	12
4	Understanding the movement predictability of international travelers using a nationwide mobile phone dataset collected in South Korea. Computers, Environment and Urban Systems, 2022, 92, 101753.	3.3	16
5	Aggravated social segregation during the COVID-19 pandemic: Evidence from crowdsourced mobility data in twelve most populated U.S. metropolitan areas. Sustainable Cities and Society, 2022, 81, 103869.	5.1	11
6	Identification of spatial and functional interactions in Beijing based on trajectory data. Applied Geography, 2022, 145, 102744.	1.7	1
7	Tourism Geography through the Lens of Time Use: A Computational Framework Using Fine-Grained Mobile Phone Data. Annals of the American Association of Geographers, 2021, 111, 1420-1444.	1.5	11
8	Effects of Data Preprocessing Methods on Addressing Location Uncertainty in Mobile Signaling Data. Annals of the American Association of Geographers, 2021, 111, 515-539.	1.5	9
9	Characterizing destination networks through mobility traces of international tourists â€" A case study using a nationwide mobile positioning dataset. Tourism Management, 2021, 82, 104195.	5.8	41
10	Towards a multidimensional view of tourist mobility patterns in cities: A mobile phone data perspective. Computers, Environment and Urban Systems, 2021, 86, 101593.	3.3	28
11	Spatial analysis of the impact of urban geometry and socio-demographic characteristics on COVID-19, a study in Hong Kong. Science of the Total Environment, 2021, 764, 144455.	3.9	48
12	Revealing temporal stay patterns in human mobility using largeâ€scale mobile phone location data. Transactions in GIS, 2021, 25, 1927-1948.	1.0	5
13	Spatial structures of tourism destinations: A trajectory data mining approach leveraging mobile big data. Annals of Tourism Research, 2020, 84, 102973.	3.7	77
14	Space-time dynamics of cab drivers' stay behaviors and their relationships with built environment characteristics. Cities, 2020, 101, 102689.	2.7	24
15	Outlook and Next Steps: Integrating Social Network and Spatial Analyses for Urban Research in the New Data Environment. Human Dynamics in Smart Cities, 2019, , 227-238.	0.2	4
16	Massive Automatic Identification System Sensor Trajectory Data-Based Multi-Layer Linkage Network Dynamics of Maritime Transport along 21st-Century Maritime Silk Road. Sensors, 2019, 19, 4197.	2.1	14
17	Spatial heterogeneity in spatial interaction of human movementsâ€"Insights from large-scale mobile positioning data. Journal of Transport Geography, 2019, 78, 29-40.	2.3	31
18	Unravel the landscape and pulses of cycling activities from a dockless bike-sharing system. Computers, Environment and Urban Systems, 2019, 75, 184-203.	3.3	132

#	Article	IF	Citations
19	Quantifying segregation in an integrated urban physical-social space. Journal of the Royal Society Interface, 2019, 16, 20190536.	1.5	48
20	Uncovering the Relationships Between Phone Communication Activities and Spatiotemporal Distribution of Mobile Phone Users. Human Dynamics in Smart Cities, 2018, , 41-65.	0.2	5
21	Human mobility and socioeconomic status: Analysis of Singapore and Boston. Computers, Environment and Urban Systems, 2018, 72, 51-67.	3.3	146
22	Do different datasets tell the same story about urban mobility â€" A comparative study of public transit and taxi usage. Journal of Transport Geography, 2018, 70, 78-90.	2.3	76
23	Building a Virtual Ecosystem Dynamic Model for Root Research. Environmental Modelling and Software, 2017, 89, 97-105.	1.9	3
24	A Web-based Visual Analytic Framework for Understanding Large-scale Environmental Models: A Use Case for The Community Land Model. Procedia Computer Science, 2017, 108, 1731-1740.	1.2	6
25	Coupling mobile phone and social media data: a new approach to understanding urban functions and diurnal patterns. International Journal of Geographical Information Science, 2017, 31, 2331-2358.	2.2	200
26	How friends share urban space: An exploratory spatiotemporal analysis using mobile phone data. Transactions in GIS, 2017, 21, 468-487.	1.0	35
27	Spatiotemporal model for assessing the stability of urban human convergence and divergence patterns. International Journal of Geographical Information Science, 2017, 31, 2119-2141.	2.2	43
28	Estimating Potential Demand of Bicycle Trips from Mobile Phone Dataâ€"An Anchor-Point Based Approach. ISPRS International Journal of Geo-Information, 2016, 5, 131.	1.4	20
29	Understanding Spatiotemporal Patterns of Human Convergence and Divergence Using Mobile Phone Location Data. ISPRS International Journal of Geo-Information, 2016, 5, 177.	1.4	46
30	Understanding the bias of call detail records in human mobility research. International Journal of Geographical Information Science, 2016, 30, 1738-1762.	2.2	98
31	A Scientific Function Test Framework for Modular Environmental Model Development: Application to the Community Land Model. , 2015, , .		9
32	Understanding aggregate human mobility patterns using passive mobile phone location data: a home-based approach. Transportation, 2015, 42, 625-646.	2.1	123
33	A functional test platform for the Community Land Model. Environmental Modelling and Software, 2014, 55, 25-31.	1.9	21
34	Toward Better Understanding of the Community Land Model within the Earth System Modeling Framework. Procedia Computer Science, 2014, 29, 1515-1524.	1.2	10