Yang Xu

List of Publications by Year
in descending order

34 papers	1,363 citations	430874 18 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	1115 citing authors

#	Article	IF	Citations
1	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.	4.8	200
2	Human mobility and socioeconomic status: Analysis of Singapore and Boston. Computers, Environment and Urban Systems, 2018, 72, 51-67.	7.1	146
3	Unravel the landscape and pulses of cycling activities from a dockless bike-sharing system. Computers, Environment and Urban Systems, 2019, 75, 184-203.	7.1	132
4	Understanding aggregate human mobility patterns using passive mobile phone location data: a home-based approach. Transportation, 2015, 42, 625-646.	4.0	123
5	Understanding the bias of call detail records in human mobility research. International Journal of Geographical Information Science, 2016, 30, 1738-1762.	4.8	98
6	Spatial structures of tourism destinations: A trajectory data mining approach leveraging mobile big data. Annals of Tourism Research, 2020, 84, 102973.	6.4	77
7	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.	5.0	76
8	Quantifying segregation in an integrated urban physical-social space. Journal of the Royal Society Interface, 2019, 16, 20190536.	3.4	48
9	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.	8.0	48
10	Understanding Spatiotemporal Patterns of Human Convergence and Divergence Using Mobile Phone Location Data. ISPRS International Journal of Geo-Information, 2016, 5, 177.	2.9	46
11	Spatiotemporal model for assessing the stability of urban human convergence and divergence patterns. International Journal of Geographical Information Science, 2017, 31, 2119-2141.	4.8	43
12	Characterizing destination networks through mobility traces of international tourists â€" A case study using a nationwide mobile positioning dataset. Tourism Management, 2021, 82, 104195.	9.8	41
13	How friends share urban space: An exploratory spatiotemporal analysis using mobile phone data. Transactions in GIS, 2017, 21, 468-487.	2.3	35
14	Spatial heterogeneity in spatial interaction of human movementsâ€"Insights from large-scale mobile positioning data. Journal of Transport Geography, 2019, 78, 29-40.	5.0	31
15	Towards a multidimensional view of tourist mobility patterns in cities: A mobile phone data perspective. Computers, Environment and Urban Systems, 2021, 86, 101593.	7.1	28
16	Space-time dynamics of cab drivers' stay behaviors and their relationships with built environment characteristics. Cities, 2020, 101, 102689.	5.6	24
17	A functional test platform for the Community Land Model. Environmental Modelling and Software, 2014, 55, 25-31.	4.5	21
18	Estimating Potential Demand of Bicycle Trips from Mobile Phone Dataâ€"An Anchor-Point Based Approach. ISPRS International Journal of Geo-Information, 2016, 5, 131.	2.9	20

#	Article	IF	Citations
19	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.	7.1	16
20	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.	3.8	14
21	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.	5.3	12
22	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.	2.2	11
23	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.	10.4	11
24	Toward Better Understanding of the Community Land Model within the Earth System Modeling Framework. Procedia Computer Science, 2014, 29, 1515-1524.	2.0	10
25	A Scientific Function Test Framework for Modular Environmental Model Development: Application to the Community Land Model. , 2015, , .		9
26	Effects of Data Preprocessing Methods on Addressing Location Uncertainty in Mobile Signaling Data. Annals of the American Association of Geographers, 2021, 111, 515-539.	2.2	9
27	Beyond Distance Decay: Discover Homophily in Spatially Embedded Social Networks. Annals of the American Association of Geographers, 2022, 112, 505-521.	2.2	8
28	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.	2.0	6
29	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
30	Revealing temporal stay patterns in human mobility using large‐scale mobile phone location data. Transactions in GIS, 2021, 25, 1927-1948.	2.3	5
31	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
32	Building a Virtual Ecosystem Dynamic Model for Root Research. Environmental Modelling and Software, 2017, 89, 97-105.	4.5	3
33	Combining individual travel behaviour and collective preferences for next location prediction. Transportmetrica A: Transport Science, 2022, 18, 1754-1776.	2.0	2
34	Identification of spatial and functional interactions in Beijing based on trajectory data. Applied Geography, 2022, 145, 102744.	3.7	1