

# Xiaolu Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,924  
citations

331670

21  
h-index

276875

41  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatially refined time-varying reproduction numbers of SARS-CoV-2 in Arkansas and Kentucky and their relationship to population size and public health policy, March – November 2020. <i>Annals of Epidemiology</i> , 2022, 68, 37-44.	1.9	7
2	Contribution of Urban Destinations to Physical Activity. <i>International Journal of Applied Geospatial Research</i> , 2022, 13, 1-17.	0.3	0
3	Monitoring Different Social Media Platforms to Report Unplanned School Closures Due to Wildfires in California, October and December 2017. <i>Disaster Medicine and Public Health Preparedness</i> , 2022, , 1-7.	1.3	0
4	A Review of General Methods for Quantifying and Estimating Urban Trees and Biomass. <i>Forests</i> , 2022, 13, 616.	2.1	13
5	Learning with self-attention for rental market spatial dynamics in the Atlanta metropolitan area. <i>Earth Science Informatics</i> , 2021, 14, 837-845.	3.2	4
6	Assessing Early Heterogeneity in Doubling Times of the COVID-19 Epidemic across Prefectures in Mainland China, January – February, 2020. <i>Epidemiologia</i> , 2021, 2, 95-113.	2.2	10
7	Spatially Refined Time-Varying Reproduction Numbers of COVID-19 by Health District in Georgia, USA, March – December 2020. <i>Epidemiologia</i> , 2021, 2, 179-197.	2.2	7
8	Crime Exposure Along My Way Home: Estimating Crime Risk Along Personal Trajectory by Visual Analytics. <i>Geographical Analysis</i> , 2020, 52, 49-68.	3.5	5
9	Spatial Lifecourse Epidemiology Reporting Standards (ISLE-ReSt) statement. <i>Health and Place</i> , 2020, 61, 102243.	3.3	57
10	Unplanned Closure of Public Schools in Michigan, 2015 – 2016: Cross-sectional Study on Rurality and Digital Data Harvesting. <i>Journal of School Health</i> , 2020, 90, 511-519.	1.6	10
11	Using Twitter to Track Unplanned School Closures: Georgia Public Schools, 2015-17. <i>Disaster Medicine and Public Health Preparedness</i> , 2020, , 1-5.	1.3	6
12	Human activities and the natural environment have induced changes in the PM2.5 concentrations in Yunnan Province, China, over the past 19 years. <i>Environmental Pollution</i> , 2020, 265, 114878.	7.5	24
13	Deep learning spatiotemporal air pollution data in China using data fusion. <i>Earth Science Informatics</i> , 2020, 13, 859-868.	3.2	10
14	Modeling Housing Rent in the Atlanta Metropolitan Area Using Textual Information and Deep Learning. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 349.	2.9	15
15	Bike-sharing or taxi? Modeling the choices of travel mode in Chicago using machine learning. <i>Journal of Transport Geography</i> , 2019, 79, 102479.	5.0	49
16	Analysis of Forest Deforestation and its Driving Factors in Myanmar from 1988 to 2017. <i>Sustainability</i> , 2019, 11, 3047.	3.2	30
17	Spatial-temporal Variation of Lake Surface Water Temperature and Its Driving Factors in Yunnan-Guizhou Plateau. <i>Water Resources Research</i> , 2019, 55, 4688-4703.	4.2	108
18	Changing Characteristics of Chlorophyll a in the Context of Internal and External Factors: A Case Study of Dianchi Lake in China. <i>Sustainability</i> , 2019, 11, 7242.	3.2	9

#	ARTICLE	IF	CITATIONS
19	A time-series analysis of urbanization-induced impervious surface area extent in the Dianchi Lake watershed from 1988–2017. <i>International Journal of Remote Sensing</i> , 2019, 40, 573-592.	2.9	41
20	Deep learning PM2.5 concentrations with bidirectional LSTM RNN. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 411-423.	3.3	76
21	Efficient spatiotemporal interpolation with spark machine learning. <i>Earth Science Informatics</i> , 2019, 12, 87-96.	3.2	10
22	Moving beyond the neighborhood: Daily exposure to nature and adolescents' mood. <i>Landscape and Urban Planning</i> , 2018, 173, 33-43.	7.5	99
23	Spatial and temporal variations in the relationship between lake water surface temperatures and water quality - A case study of Dianchi Lake. <i>Science of the Total Environment</i> , 2018, 624, 859-871.	8.0	184
24	Analyzing and visualizing the spatial interactions between tourists and locals: A Flickr study in ten US cities. <i>Cities</i> , 2018, 74, 249-258.	5.6	55
25	Tracing environmental narratives: a web-based tool for the analysis and visualization of georeferenced narratives. <i>Geo Journal</i> , 2018, 83, 399-412.	3.1	4
26	Detecting Street Signs in Cities Based on Object Recognition with Machine Learning and GIS Spatial Analysis. , 2018, , .		1
27	The Spatiotemporal Characteristics of Chinese Civil Vehicles' Possession in the Context of Rapid Economic Development from 1996 to 2015. <i>Sustainability</i> , 2018, 10, 2999.	3.2	2
28	Quantifying multi-dimensional attributes of human activities at various geographic scales based on smartphone tracking. <i>International Journal of Health Geographics</i> , 2018, 17, 11.	2.5	9
29	Dianchi Lake watershed impervious surface area dynamics and their impact on lake water quality from 1988 to 2017. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29643-29653.	5.3	40
30	Learning Air Pollution with Bidirectional LSTM RNN. , 2018, , .		2
31	Dynamic monitoring and prediction of Dianchi Lake cyanobacteria outbreaks in the context of rapid urbanization. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5335-5348.	5.3	35
32	Bike-sharing systems and congestion: Evidence from US cities. <i>Journal of Transport Geography</i> , 2017, 65, 147-154.	5.0	157
33	From stay to play – A travel planning tool based on crowdsourcing user-generated contents. <i>Applied Geography</i> , 2017, 78, 1-11.	3.7	36
34	“Leave Your Footprints in My Words” A Georeferenced Word-Cloud Approach. <i>Environment and Planning A</i> , 2017, 49, 489-492.	3.6	12
35	Disentangle crime hot spots and displacements in space and time. , 2017, , .		1
36	Tracing the Spatial-Temporal Evolution of Events Based on Social Media Data. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 88.	2.9	19

#	ARTICLE	IF	CITATIONS
37	Machine Learning on Spark for the Optimal IDW-based Spatiotemporal Interpolation. International Conference on GIScience Short Paper Proceedings, 2016, 1, .	0.0	2
38	Spatiotemporal Interpolation Methods for the Application of Estimating Population Exposure to Fine Particulate Matter in the Contiguous U.S. and a Real-Time Web Application. International Journal of Environmental Research and Public Health, 2016, 13, 749.	2.6	36
39	Making pervasive sensing possible: Effective travel mode sensing based on smartphones. Computers, Environment and Urban Systems, 2016, 58, 52-59.	7.1	42
40	Using Web-Based Participatory Mapping to Investigate Children's Perceptions and the Spatial Distribution of Outdoor Play Places. Environment and Behavior, 2016, 48, 859-884.	4.7	10
41	Crowdsourcing functions of the living city from Twitter and Foursquare data. Cartography and Geographic Information Science, 2016, 43, 393-404.	3.0	44
42	Understanding Spatiotemporal Patterns of Biking Behavior by Analyzing Massive Bike Sharing Data in Chicago. PLoS ONE, 2015, 10, e0137922.	2.5	122
43	Detecting tourism destinations using scalable geospatial analysis based on cloud computing platform. Computers, Environment and Urban Systems, 2015, 54, 144-153.	7.1	98
44	Social disparities in tree canopy and park accessibility: A case study of six cities in Illinois using GIS and remote sensing. Urban Forestry and Urban Greening, 2013, 12, 88-97.	5.3	92
45	Landscape structure, zoning ordinance, and topography in hillside residential neighborhoods: A case study of Morgantown, WV. Landscape and Urban Planning, 2012, 108, 28-38.	7.5	11
46	Spatial-temporal dynamics of urban green space in response to rapid urbanization and greening policies. Landscape and Urban Planning, 2011, 100, 268-277.	7.5	317