Xiaolu Zhou

List of Publications by Year
in descending order

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	Spatialâ€“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
2	Spatial and temporal variations in the relationship between lake water surface temperatures and water quality - A case study of Dianchi Lake. Science of the Total Environment, 2018, 624, 859-871.	8.0	184
3	Bike-sharing systems and congestion: Evidence from US cities. Journal of Transport Geography, 2017, 65, 147-154.	5.0	157
4	Understanding Spatiotemporal Patterns of Biking Behavior by Analyzing Massive Bike Sharing Data in Chicago. PLoS ONE, 2015, 10, e0137922.	2.5	122
5	Spatialâ€Temporal Variation of Lake Surface Water Temperature and Its Driving Factors in Yunnanâ€Guizhou Plateau. Water Resources Research, 2019, 55, 4688-4703.	4.2	108
6	Moving beyond the neighborhood: Daily exposure to nature and adolescentsâ€™ mood. Landscape and Urban Planning, 2018, 173, 33-43.	7.5	99
7	Detecting tourism destinations using scalable geospatial analysis based on cloud computing platform. Computers, Environment and Urban Systems, 2015, 54, 144-153.	7.1	98
8	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
9	Deep learning PM2.5 concentrations with bidirectional LSTM RNN. Air Quality, Atmosphere and Health, 2019, 12, 411-423.	3.3	76
10	Spatial Lifecourse Epidemiology Reporting Standards (ISLE-ReSt) statement. Health and Place, 2020, 61, 102243.	3.3	57
11	Analyzing and visualizing the spatial interactions between tourists and locals: A Flickr study in ten US cities. Cities, 2018, 74, 249-258.	5.6	55
12	Bike-sharing or taxi? Modeling the choices of travel mode in Chicago using machine learning. Journal of Transport Geography, 2019, 79, 102479.	5.0	49
13	Crowdsourcing functions of the living city from Twitter and Foursquare data. Cartography and Geographic Information Science, 2016, 43, 393-404.	3.0	44
14	Making pervasive sensing possible: Effective travel mode sensing based on smartphones. Computers, Environment and Urban Systems, 2016, 58, 52-59.	7.1	42
15	A time-series analysis of urbanization-induced impervious surface area extent in the Dianchi Lake watershed from 1988â€“2017. International Journal of Remote Sensing, 2019, 40, 573-592.	2.9	41
16	Dianchi Lake watershed impervious surface area dynamics and their impact on lake water quality from 1988 to 2017. Environmental Science and Pollution Research, 2018, 25, 29643-29653.	5.3	40
17	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
18	From stay to play â€“ A travel planning tool based on crowdsourcing user-generated contents. Applied Geography, 2017, 78, 1-11.	3.7	36

#	Article	IF	Citations
19	Dynamic monitoring and prediction of Dianchi Lake cyanobacteria outbreaks in the context of rapid urbanization. Environmental Science and Pollution Research, 2017, 24, 5335-5348.	5.3	35
20	Analysis of Forest Deforestation and its Driving Factors in Myanmar from 1988 to 2017. Sustainability, 2019, 11, 3047.	3.2	30
21	Human activities and the natural environment have induced changes in the PM2.5 concentrations in Yunnan Province, China, over the past 19 years. Environmental Pollution, 2020, 265, 114878.	7.5	24
22	Tracing the Spatial-Temporal Evolution of Events Based on Social Media Data. ISPRS International Journal of Geo-Information, 2017, 6, 88.	2.9	19
23	Modeling Housing Rent in the Atlanta Metropolitan Area Using Textual Information and Deep Learning. ISPRS International Journal of Geo-Information, 2019, 8, 349.	2.9	15
24	A Review of General Methods for Quantifying and Estimating Urban Trees and Biomass. Forests, 2022, 13, 616.	2.1	13
25	â€œLeave Your Footprints in My Wordsâ€â€”A Georeferenced Word-Cloud Approach. Environment and Planning A, 2017, 49, 489-492.	3.6	12
26	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
27	Using Web-Based Participatory Mapping to Investigate Childrenâ€™s Perceptions and the Spatial Distribution of Outdoor Play Places. Environment and Behavior, 2016, 48, 859-884.	4.7	10
28	Efficient spatiotemporal interpolation with spark machine learning. Earth Science Informatics, 2019, 12, 87-96.	3.2	10
29	Unplanned Closure of Public Schools in Michigan, 2015â€2016: Crossâ€Sectional Study on Rurality and Digital Data Harvesting. Journal of School Health, 2020, 90, 511-519.	1.6	10
30	Deep learning spatiotemporal air pollution data in China using data fusion. Earth Science Informatics, 2020, 13, 859-868.	3.2	10
31	Assessing Early Heterogeneity in Doubling Times of the COVID-19 Epidemic across Prefectures in Mainland China, Januaryâ€“February, 2020. Epidemiologia, 2021, 2, 95-113.	2.2	10
32	Quantifying multi-dimensional attributes of human activities at various geographic scales based on smartphone tracking. International Journal of Health Geographics, 2018, 17, 11.	2.5	9
33	Changing Characteristics of Chlorophyll a in the Context of Internal and External Factors: A Case Study of Dianchi Lake in China. Sustainability, 2019, 11, 7242.	3.2	9
34	Spatially Refined Time-Varying Reproduction Numbers of COVID-19 by Health District in Georgia, USA, Marchâ€“December 2020. Epidemiologia, 2021, 2, 179-197.	2.2	7
35	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 â€“ November 2020. Annals of Epidemiology, 2022, 68, 37-44.	1.9	7
36	Using Twitter to Track Unplanned School Closures: Georgia Public Schools, 2015-17. Disaster Medicine and Public Health Preparedness, 2020, , 1-5.	1.3	6

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37	Crime Exposure Along My Way Home: Estimating Crime Risk Along Personal Trajectory by Visual Analytics. Geographical Analysis, 2020, 52, 49-68.	3.5	5
38	Tracing environmental narratives: a web-based tool for the analysis and visualization of georeferenced narratives. Geo Journal, 2018, 83, 399-412.	3.1	4
39	Learning with self-attention for rental market spatial dynamics in the Atlanta metropolitan area. Earth Science Informatics, 2021, 14, 837-845.	3.2	4
40	Machine Learning on Spark for the Optimal IDW-based Spatiotemporal Interpolation. International Conference on GIScience Short Paper Proceedings, 2016, 1, .	0.0	2
41	The Spatiotemporal Characteristics of Chinese Civil Vehiclesâ€™ Possession in the Context of Rapid Economic Development from 1996 to 2015. Sustainability, 2018, 10, 2999.	3.2	2
42	Learning Air Pollution with Bidirectional LSTM RNN. , 2018, , .		2
43	Disentangle crime hot spots and displacements in space and time. , 2017, , .		1
44	Detecting Street Signs in Cities Based on Object Recognition with Machine Leaning and GIS Spatial Analysis. , 2018, , .		1
45	Contribution of Urban Destinations to Physical Activity. International Journal of Applied Geospatial Research, 2022, 13, 1-17.	0.3	0
46	Monitoring Different Social Media Platforms to Report Unplanned School Closures Due to Wildfires in California, October and December 2017. Disaster Medicine and Public Health Preparedness, 2022, , 1-7.	1.3	0