Yun Li

List of Publications by Year in Descending Order

39 papers	662 citations	13 h-index	25 g-index
40 ext. papers	905 ext. citations	3.9 avg, IF	4.72 L-index

#	Paper	IF	Citations
39	An Open-Source Workflow for Spatiotemporal Studies with COVID-19 as an Example. *ISPRS International Journal of Geo-Information*, **2022**, 11, 13	2.9	
38	Discovering Precursors to Tropical Cyclone Rapid Intensification in the Atlantic Basin Using Spatiotemporal Data Mining. *Atmosphere*, **2022**, 13, 882	2.7	
37	Spatiotemporal Analysis of Sea Ice Leads in the Arctic Ocean Retrieved from IceBridge Laxon Line Data 2012–2018. *Remote Sensing*, **2021**, 13, 4177	5	
36	Phased Implementation of COVID-19 Vaccination: Rapid Assessment of Policy Adoption, Reach and Effectiveness to Protect the Most Vulnerable in the US. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
35	A spatiotemporal data collection of viral cases for COVID-19 rapid response. *Big Earth Data*, **2021**, 5, 90-111	4.1	10
34	COVID-Scraper: An Open-Source Toolset for Automatically Scraping and Processing Global Multi-Scale Spatiotemporal COVID-19 Records. *IEEE Access*, **2021**, 9, 84783-84798	3.5	3
33	The Impact of Policy Measures on Human Mobility, COVID-19 Cases, and Mortality in the US: A Spatiotemporal Perspective. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	28
32	Cloud, Edge, and Mobile Computing for Smart Cities. *Urban Book Series*, **2021**, 757-795	0.3	
31	Spatiotemporal changes in global nitrogen dioxide emission due to COVID-19 mitigation policies. *Science of the Total Environment*, **2021**, 776, 146027	10.2	10
30	New Metrics for Assessing the State Performance in Combating the COVID-19 Pandemic. *GeoHealth*, **2021**, 5, e2021GH000450	5	
29	Impact of COVID-19 containment and closure policies on tropospheric nitrogen dioxide: A global perspective. *Environment International*, **2021**, 158, 106887	12.9	3
28	Spatiotemporal Patterns and Driving Factors on Crime Changing During Black Lives Matter Protests. *ISPRS International Journal of Geo-Information*, **2020**, 9, 640	2.9	4
27	Spatiotemporal Patterns of COVID-19 Impact on Human Activities and Environment in Mainland China Using Nighttime Light and Air Quality Data. *Remote Sensing*, **2020**, 12, 1576	5	73
26	PreciPatch: A Dictionary-based Precipitation Downscaling Method. *Remote Sensing*, **2020**, 12, 1030	5	5
25	An On-Demand Service for Managing and Analyzing Arctic Sea Ice High Spatial Resolution Imagery. *Data*, **2020**, 5, 39	2.3	1
24	Spatiotemporal analysis of medical resource deficiencies in the U.S. under COVID-19 pandemic. *PLoS ONE*, **2020**, 15, e0240348	3.7	13
23	Spreading of COVID-19: Density matters. *PLoS ONE*, **2020**, 15, e0242398	3.7	56

22	A Query Understanding Framework for Earth Data Discovery. *Applied Sciences (Switzerland)*, **2020**, 10, 1127	2.6	1
21	Building an Open Resources Repository for COVID-19 Research.. *Data and Information Management* , **2020**, 4, 130-147	1.4	21
20	Big Data and Cloud Computing **2020**, 325-355		6
19	Improving search ranking of geospatial data based on deep learning using user behavior data. *Computers and Geosciences*, **2020**, 142, 104520	4.5	4
18	Hyperspectral Infrared Sounder Cloud Detection Using Deep Neural Network Model. *IEEE Geoscience and Remote Sensing Letters*, **2020**, 1-5	4.1	
17	An Environmental Data Collection for COVID-19 Pandemic Research. *Data*, **2020**, 5, 68	2.3	16
16	Individual-Level Fatality Prediction of COVID-19 Patients Using AI Methods. *Frontiers in Public Health*, **2020**, 8, 587937	6	14
15	Taking the pulse of COVID-19: a spatiotemporal perspective. *International Journal of Digital Earth*, **2020**, 13, 1186-1211	3.9	65
14	A State-Level Socioeconomic Data Collection of the United States for COVID-19 Research. *Data*, **2020**, 5, 118	2.3	7
13	A hierarchical indexing strategy for optimizing Apache Spark with HDFS to efficiently query big geospatial raster data. *International Journal of Digital Earth*, **2020**, 13, 410-428	3.9	9
12	Daytime Rainy Cloud Detection and Convective Precipitation Delineation Based on a Deep Neural Network Method Using GOES-16 ABI Images. *Remote Sensing*, **2019**, 11, 2555	5	12
11	A vocabulary recommendation method for spatiotemporal data discovery based on Bayesian network and ontologies. *Big Earth Data*, **2019**, 3, 220-231	4.1	2
10	Big Earth data analytics: a survey. *Big Earth Data*, **2019**, 3, 83-107	4.1	31
9	A Cloud-Based Framework for Large-Scale Log Mining through Apache Spark and Elasticsearch. *Applied Sciences (Switzerland)*, **2019**, 9, 1114	2.6	6
8	An Integrated Data Analytics Platform. *Frontiers in Marine Science*, **2019**, 6,	4.5	2
7	Planetary Defense Mitigation Gateway: A One-Stop Gateway for Pertinent PD-Related Contents. *Data*, **2019**, 4, 47	2.3	1
6	Towards intelligent geospatial data discovery: a machine learning framework for search ranking. *International Journal of Digital Earth*, **2018**, 11, 956-971	3.9	14
5	Big Data in Natural Disaster Management: A Review. *Geosciences (Switzerland)*, **2018**, 8, 165	2.7	107

4	A Smart Web-Based Geospatial Data Discovery System with Oceanographic Data as an Example. *ISPRS International Journal of Geo-Information*, **2018**, 7, 62	2.9	10
3	A comprehensive methodology for discovering semantic relationships among geospatial vocabularies using oceanographic data discovery as an example. *International Journal of Geographical Information Science*, **2017**, 31, 2310-2328	4.1	13
2	Utilizing Cloud Computing to address big geospatial data challenges. *Computers, Environment and Urban Systems*, **2017**, 61, 120-128	5.9	102
1	Reconstructing Sessions from Data Discovery and Access Logs to Build a Semantic Knowledge Base for Improving Data Discovery. *ISPRS International Journal of Geo-Information*, **2016**, 5, 54	2.9	11