

Yun Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Big Data in Natural Disaster Management: A Review. <i>Geosciences (Switzerland)</i> , 2018 , 8, 165	2.7	107
38	Utilizing Cloud Computing to address big geospatial data challenges. <i>Computers, Environment and Urban Systems</i> , 2017 , 61, 120-128	5.9	102
37	Spatiotemporal Patterns of COVID-19 Impact on Human Activities and Environment in Mainland China Using Nighttime Light and Air Quality Data. <i>Remote Sensing</i> , 2020 , 12, 1576	5	73
36	Taking the pulse of COVID-19: a spatiotemporal perspective. <i>International Journal of Digital Earth</i> , 2020 , 13, 1186-1211	3.9	65
35	Spreading of COVID-19: Density matters. <i>PLoS ONE</i> , 2020 , 15, e0242398	3.7	56
34	Big Earth data analytics: a survey. <i>Big Earth Data</i> , 2019 , 3, 83-107	4.1	31
33	The Impact of Policy Measures on Human Mobility, COVID-19 Cases, and Mortality in the US: A Spatiotemporal Perspective. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	28
32	Building an Open Resources Repository for COVID-19 Research.. <i>Data and Information Management</i> , 2020 , 4, 130-147	1.4	21
31	An Environmental Data Collection for COVID-19 Pandemic Research. <i>Data</i> , 2020 , 5, 68	2.3	16
30	Towards intelligent geospatial data discovery: a machine learning framework for search ranking. <i>International Journal of Digital Earth</i> , 2018 , 11, 956-971	3.9	14
29	Individual-Level Fatality Prediction of COVID-19 Patients Using AI Methods. <i>Frontiers in Public Health</i> , 2020 , 8, 587937	6	14
28	A comprehensive methodology for discovering semantic relationships among geospatial vocabularies using oceanographic data discovery as an example. <i>International Journal of Geographical Information Science</i> , 2017 , 31, 2310-2328	4.1	13
27	Spatiotemporal analysis of medical resource deficiencies in the U.S. under COVID-19 pandemic. <i>PLoS ONE</i> , 2020 , 15, e0240348	3.7	13
26	Daytime Rainy Cloud Detection and Convective Precipitation Delineation Based on a Deep Neural Network Method Using GOES-16 ABI Images. <i>Remote Sensing</i> , 2019 , 11, 2555	5	12
25	Reconstructing Sessions from Data Discovery and Access Logs to Build a Semantic Knowledge Base for Improving Data Discovery. <i>ISPRS International Journal of Geo-Information</i> , 2016 , 5, 54	2.9	11
24	A Smart Web-Based Geospatial Data Discovery System with Oceanographic Data as an Example. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 62	2.9	10
23	A spatiotemporal data collection of viral cases for COVID-19 rapid response. <i>Big Earth Data</i> , 2021 , 5, 90-111	4.1	10

22	Spatiotemporal changes in global nitrogen dioxide emission due to COVID-19 mitigation policies. <i>Science of the Total Environment</i> , 2021 , 776, 146027	10.2	10
21	A hierarchical indexing strategy for optimizing Apache Spark with HDFS to efficiently query big geospatial raster data. <i>International Journal of Digital Earth</i> , 2020 , 13, 410-428	3.9	9
20	A State-Level Socioeconomic Data Collection of the United States for COVID-19 Research. <i>Data</i> , 2020 , 5, 118	2.3	7
19	A Cloud-Based Framework for Large-Scale Log Mining through Apache Spark and Elasticsearch. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1114	2.6	6
18	Big Data and Cloud Computing 2020 , 325-355		6
17	PreciPatch: A Dictionary-based Precipitation Downscaling Method. <i>Remote Sensing</i> , 2020 , 12, 1030	5	5
16	Spatiotemporal Patterns and Driving Factors on Crime Changing During Black Lives Matter Protests. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 640	2.9	4
15	Improving search ranking of geospatial data based on deep learning using user behavior data. <i>Computers and Geosciences</i> , 2020 , 142, 104520	4.5	4
14	COVID-Scraper: An Open-Source Toolset for Automatically Scraping and Processing Global Multi-Scale Spatiotemporal COVID-19 Records. <i>IEEE Access</i> , 2021 , 9, 84783-84798	3.5	3
13	Impact of COVID-19 containment and closure policies on tropospheric nitrogen dioxide: A global perspective. <i>Environment International</i> , 2021 , 158, 106887	12.9	3
12	A vocabulary recommendation method for spatiotemporal data discovery based on Bayesian network and ontologies. <i>Big Earth Data</i> , 2019 , 3, 220-231	4.1	2
11	An Integrated Data Analytics Platform. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	2
10	Phased Implementation of COVID-19 Vaccination: Rapid Assessment of Policy Adoption, Reach and Effectiveness to Protect the Most Vulnerable in the US. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
9	An On-Demand Service for Managing and Analyzing Arctic Sea Ice High Spatial Resolution Imagery. <i>Data</i> , 2020 , 5, 39	2.3	1
8	A Query Understanding Framework for Earth Data Discovery. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1127	2.6	1
7	Planetary Defense Mitigation Gateway: A One-Stop Gateway for Pertinent PD-Related Contents. <i>Data</i> , 2019 , 4, 47	2.3	1
6	Spatiotemporal Analysis of Sea Ice Leads in the Arctic Ocean Retrieved from IceBridge Laxon Line Data 2012-2018. <i>Remote Sensing</i> , 2021 , 13, 4177	5	
5	Hyperspectral Infrared Sounder Cloud Detection Using Deep Neural Network Model. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	

- 4 Cloud, Edge, and Mobile Computing for Smart Cities. *Urban Book Series*, **2021**, 757-795 0.3
- 3 New Metrics for Assessing the State Performance in Combating the COVID-19 Pandemic. *GeoHealth*, **2021**, 5, e2021GH000450 5
- 2 An Open-Source Workflow for Spatiotemporal Studies with COVID-19 as an Example. *ISPRS International Journal of Geo-Information*, **2022**, 11, 13 2.9
- 1 Discovering Precursors to Tropical Cyclone Rapid Intensification in the Atlantic Basin Using Spatiotemporal Data Mining. *Atmosphere*, **2022**, 13, 882 2.7