

# Xiaochuang Yao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1470366/publications.pdf>

Version: 2024-02-01

35  
papers

497  
citations

687363

13  
h-index

713466

21  
g-index

36  
all docs

36  
docs citations

36  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified representation method for interdisciplinary spatial earth data. <i>Big Earth Data</i> , 2023, 7, 126-145.	4.4	5
2	The divergent response of vegetation phenology to urbanization: A case study of Beijing city, China. <i>Science of the Total Environment</i> , 2022, 803, 150079.	8.0	30
3	A Ceph-based storage strategy for big gridded remote sensing data. <i>Big Earth Data</i> , 2022, 6, 323-339.	4.4	5
4	Optimization of Numerical Methods for Transforming UTM Plane Coordinates to Lambert Plane Coordinates. <i>Remote Sensing</i> , 2022, 14, 2056.	4.0	6
5	The Potential of 3-D Building Height Data to Characterize Socioeconomic Activities: A Case Study from 38 Cities in China. <i>Remote Sensing</i> , 2022, 14, 2087.	4.0	4
6	An optimized hexagonal quadtree encoding and operation scheme for icosahedral hexagonal discrete global grid systems. <i>International Journal of Digital Earth</i> , 2022, 15, 975-1000.	3.9	6
7	Comparison and Analysis of Hexagonal Discrete Global Grid Coding. <i>Lecture Notes in Computer Science</i> , 2021, , 127-133.	1.3	0
8	A Precision Evaluation Index System for Remote Sensing Data Sampling Based on Hexagonal Discrete Grids. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 194.	2.9	13
9	Deriving Non-Cloud Contaminated Sentinel-2 Images with RGB and Near-Infrared Bands from Sentinel-1 Images Based on a Conditional Generative Adversarial Network. <i>Remote Sensing</i> , 2021, 13, 1512.	4.0	5
10	Land Cover Mapping and Ecological Risk Assessment in the Context of Recent Ecological Migration. <i>Remote Sensing</i> , 2021, 13, 1381.	4.0	16
11	A locust remote sensing monitoring system based on dynamic model library. <i>Computers and Electronics in Agriculture</i> , 2021, 186, 106218.	7.7	1
12	Glacier classification from Sentinel-2 imagery using spatial-spectral attention convolutional model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102445.	2.8	6
13	Large-scale crop mapping from multi-source optical satellite imageries using machine learning with discrete grids. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 103, 102485.	2.8	18
14	Enabling the Big Earth Observation Data via Cloud Computing and DGGS: Opportunities and Challenges. <i>Remote Sensing</i> , 2020, 12, 62.	4.0	75
15	An Efficient Row Key Encoding Method with ASCII Code for Storing Geospatial Big Data in HBase. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 625.	2.9	3
16	A Cloud Detection Approach Based on Hybrid Multispectral Features with Dynamic Thresholds for GF-1 Remote Sensing Images. <i>Remote Sensing</i> , 2020, 12, 450.	4.0	21
17	A novel method of determining the optimal polyhedral orientation for discrete global grid systems applicable to regional-scale areas of interest. <i>International Journal of Digital Earth</i> , 2020, 13, 1553-1569.	3.9	10
18	An Incentive Mechanism Based on a Bayesian Game for Spatial Crowdsourcing. <i>IEEE Access</i> , 2019, 7, 14340-14352.	4.2	6

#	ARTICLE	IF	CITATIONS
19	A Distributed Storage and Access Approach for Massive Remote Sensing Data in MongoDB. ISPRS International Journal of Geo-Information, 2019, 8, 533.	2.9	18
20	Big spatial vector data management: a review. Big Earth Data, 2018, 2, 108-129.	4.4	49
21	China Data Cube (CDC) for Big Earth Observation Data: Lessons Learned from the Design and Implementation. , 2018, , .		2
22	LandQv2: A MapReduce-Based System for Processing Arable Land Quality Big Data. ISPRS International Journal of Geo-Information, 2018, 7, 271.	2.9	14
23	RDCRMG: A Raster Dataset Clean & Reconstitution Multi-Grid Architecture for Remote Sensing Monitoring of Vegetation Dryness. Remote Sensing, 2018, 10, 1376.	4.0	30
24	Spatial Layout of Multi-Environment Test Sites: A Case Study of Maize in Jilin Province. Sustainability, 2018, 10, 1424.	3.2	6
25	Spatial coding-based approach for partitioning big spatial data in Hadoop. Computers and Geosciences, 2017, 106, 60-67.	4.2	35
26	A WebGIS-based decision support system for locust prevention and control in China. Computers and Electronics in Agriculture, 2017, 140, 148-158.	7.7	24
27	LandQv1: A GIS cluster-based management information system for arable land quality big data. , 2017, , .		1
28	Spatial sampling of multi-environment trials data for station layout of maize variety. , 2017, , .		1
29	Developing a mobile GIS-based component to collect field data. , 2016, , .		1
30	A field survey system for land consolidation based on 3S and speech recognition technology. Computers and Electronics in Agriculture, 2016, 127, 659-668.	7.7	16
31	Developing a reversible rapid coordinate transformation model for the cylindrical projection. Computers and Geosciences, 2016, 89, 44-56.	4.2	23
32	An Automatic Counting Method of Maize Ear Grain Based on Image Processing. IFIP Advances in Information and Communication Technology, 2015, , 521-533.	0.7	6
33	Design and implementation of geographic information systems, remote sensing, and global positioning system-based information platform for locust control. Journal of Applied Remote Sensing, 2014, 8, 084899.	1.3	9
34	Development of a Highly Flexible Mobile GIS-Based System for Collecting Arable Land Quality Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4432-4441.	4.9	28
35	Spatial Interpolation Methods Study Based on Geostatistics for the Grasshopper Population. Sensor Letters, 2014, 12, 645-650.	0.4	4