Chen Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6697542/publications.pdf

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44	663	758635	887659
papers	citations	12	17
		h-index	g-index

48	48	48	289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transfer Learning for Crop classification with Cropland Data Layer data (CDL) as training samples. Science of the Total Environment, 2020, 733, 138869.	3.9	69
2	Improvement and Validation of NASA/MODIS NRT Global Flood Mapping. Remote Sensing, 2019, 11, 205.	1.8	55
3	Machine-learned prediction of annual crop planting in the U.S. Corn Belt based on historical crop planting maps. Computers and Electronics in Agriculture, 2019, 166, 104989.	3.7	54
4	Rapid Flood Progress Monitoring in Cropland with NASA SMAP. Remote Sensing, 2019, 11, 191.	1.8	42
5	A review of remote sensing in flood assessment. , 2016, , .		34
6	AgKit4EE: A toolkit for agricultural land use modeling of the conterminous United States based on Google Earth Engine. Environmental Modelling and Software, 2020, 129, 104694.	1.9	34
7	Validation and refinement of cropland data layer using a spatial-temporal decision tree algorithm. Scientific Data, 2022, 9, 63.	2.4	34
8	Exploring cloud-based Web Processing Service: A case study on the implementation of CMAQ as a Service. Environmental Modelling and Software, 2019, 113, 29-41.	1.9	30
9	GeoFairy: Towards a one-stop and location based Service for Geospatial Information Retrieval. Computers, Environment and Urban Systems, 2017, 62, 156-167.	3.3	24
10	CyberConnector: a service-oriented system for automatically tailoring multisource Earth observation data to feed Earth science models. Earth Science Informatics, 2018, 11, 1-17.	1.6	24
11	Selection of Landsat 8 OLI Band Combinations for Land Use and Land Cover Classification. , 2019, , .		23
12	Rapid in-season mapping of corn and soybeans using machine-learned trusted pixels from Cropland Data Layer. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102374.	1.4	20
13	In-Season Major Crop-Type Identification for US Cropland from Landsat Images Using Crop-Rotation Pattern and Progressive Data Classification. Agriculture (Switzerland), 2019, 9, 17.	1.4	19
14	Integrating OGC Web Processing Service with cloud computing environment for Earth Observation data. , 2017, , .		16
15	Impact of Climate Change on Soil Salinity: A Remote Sensing Based Investigation in Coastal Bangladesh. , 2018, , .		15
16	Remote Sensing of Urban Poverty and Gentrification. Remote Sensing, 2021, 13, 4022.	1.8	14
17	Agriculture flood mapping with Soil Moisture Active Passive (SMAP) data: A case of 2016 Louisiana flood. , 2017, , .		12
18	Extracting Trusted Pixels from Historical Cropland Data Layer Using Crop Rotation Patterns: A Case Study in Nebraska, USA. , 2019, , .		12

#	Article	IF	Citations
19	Impacts of Soil Moisture on Crop Health: A Remote Sensing Perspective. , 2021, , .		10
20	Crop-CASMA: A web geoprocessing and map service based architecture and implementation for serving soil moisture and crop vegetation condition data over U.S. Cropland. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102902.	0.9	10
21	Developing a GeoPackage mobile app to support field operations in agriculture. , 2016, , .		8
22	Developing a Web service based application for demographic information modeling and analyzing. , 2017, , .		8
23	Land Use and Land Cover Classification for Bangladesh 2005 on Google Earth Engine. , 2018, , .		8
24	Extract flood duration from Dartmouth Flood Observatory flood product. , 2017, , .		7
25	Cloud Environment for Disseminating NASS Cropland Data Layer. , 2019, , .		7
26	Advanced Cyberinfrastructure for Agricultural Drought Monitoring. , 2019, , .		6
27	Land Parcel Identification. Springer Remote Sensing/photogrammetry, 2021, , 163-174.	0.4	6
28	A GeoPackage implementation of common map API on Google Maps and OpenLayers to manipulate agricultural data on mobile devices. , 2016, , .		5
29	Combining OGC WCS with SOAP to faciliate the retrieval of remote sensing imagery about agricultural fields. , 2016, , .		5
30	Establish cyberinfrastructure to facilitate agricultural drought monitoring. , 2017, , .		5
31	Crop Field Boundary Delineation using Historical Crop Rotation Pattern. , 2019, , .		5
32	Influence of urban expansion on Lyme disease risk: A case study in the U.S. I-95 Northeastern corridor. Cities, 2022, 125, 103633.	2.7	5
33	Spatio-Temporal Responses of Precipitation to Urbanization with Google Earth Engine: A Case Study for Lagos, Nigeria. Urban Science, 2022, 6, 40.	1.1	5
34	Embedding Pub/Sub mechanism into OGC web services to augment agricultural crop monitoring. , 2016, , .		4
35	Building robust geospatial web services for agricultural information extraction and sharing. , 2017, , .		4
36	Developing geospatial Web service and system for SMAP soil moisture monitoring. , 2017, , .		4

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37	Crop-CASMA - A Web GIS Tool for Cropland Soil Moisture Monitoring and Assessment Based on SMAP Data. , 2021, , .		4
38	Full Stack Web Development of a Geospatial Information Service System for Intelligently Irrigated Agriculture. , 2019, , .		3
39	Building Near-Real-Time MODIS Data Fusion Workflow to Support Agricultural Decision-making Applications. , 2019, , .		3
40	Using Machine Learning Approach to Evaluate the PM2.5 Concentrations in China from 1998 to 2016. , 2018, , .		2
41	An Overview of Agriculture Cyberinformatics Tools to Support USDA NASS Decision Making. , 2021, , .		2
42	Image Processing Methods in Agricultural Observation Systems. Springer Remote Sensing/photogrammetry, 2021, , 81-102.	0.4	1
43	Disaster Information Dissemination During Emergency Event: An Experiment in OGC Disaster Resilience Pilot. , 2021, , .		1
44	Applying Machine Learning to Cropland Data Layer for Agro-Geoinformation Discovery. , 2021, , .		1