

Hongwei Zeng

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

991
citations

361045
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433756
31
g-index

38
all docs

38
docs citations

38
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Crop Monitoring: A Satellite-Based Hierarchical Approach. <i>Remote Sensing</i> , 2015, 7, 3907-3933.	1.8	69
2	Variation in actual evapotranspiration following changes in climate and vegetation cover during an ecological restoration period (2000–2015) in the Loess Plateau, China. <i>Science of the Total Environment</i> , 2019, 689, 534-545.	3.9	66
3	Synthesis of global actual evapotranspiration from 1982 to 2019. <i>Earth System Science Data</i> , 2021, 13, 447-480.	3.7	66
4	Efficient Identification of Corn Cultivation Area with Multitemporal Synthetic Aperture Radar and Optical Images in the Google Earth Engine Cloud Platform. <i>Remote Sensing</i> , 2019, 11, 629.	1.8	57
5	Crop Phenology Detection Using High Spatio-Temporal Resolution Data Fused from SPOT5 and MODIS Products. <i>Sensors</i> , 2016, 16, 2099.	2.1	53
6	Assessing potential water savings in agriculture on the Hai Basin plain, China. <i>Agricultural Water Management</i> , 2015, 154, 11-19.	2.4	49
7	A new framework to map fine resolution cropping intensity across the globe: Algorithm, validation, and implication. <i>Remote Sensing of Environment</i> , 2020, 251, 112095.	4.6	46
8	Soil erosion assessment in the Blue Nile Basin driven by a novel RUSLE-GEE framework. <i>Science of the Total Environment</i> , 2021, 793, 148466.	3.9	44
9	Determination of Appropriate Remote Sensing Indices for Spring Wheat Yield Estimation in Mongolia. <i>Remote Sensing</i> , 2019, 11, 2568.	1.8	39
10	GCI30: a global dataset of 30-m cropping intensity using multisource remote sensing imagery. <i>Earth System Science Data</i> , 2021, 13, 4799-4817.	3.7	34
11	Cloud services with big data provide a solution for monitoring and tracking sustainable development goals. <i>Geography and Sustainability</i> , 2020, 1, 25-32.	1.9	33
12	Downscaling TRMM Monthly Precipitation Using Google Earth Engine and Google Cloud Computing. <i>Remote Sensing</i> , 2020, 12, 3860.	1.8	32
13	Assessing factors impacting the spatial discrepancy of remote sensing based cropland products: A case study in Africa. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 85, 102010.	1.4	31
14	Basin-wide evapotranspiration management: Concept and practical application in Hai Basin, China. <i>Agricultural Water Management</i> , 2014, 145, 145-153.	2.4	27
15	A trade-off method between environment restoration and human water consumption: A case study in Ebinur Lake. <i>Journal of Cleaner Production</i> , 2019, 217, 732-741.	4.6	27
16	A Synthesizing Land-cover Classification Method Based on Google Earth Engine: A Case Study in Nzhelele and Levhuvu Catchments, South Africa. <i>Chinese Geographical Science</i> , 2020, 30, 397-409.	1.2	27
17	Quantifying global agricultural water appropriation with data derived from earth observations. <i>Journal of Cleaner Production</i> , 2022, 358, 131891.	4.6	27
18	Mapping Winter Wheat Biomass and Yield Using Time Series Data Blended from PROBA-V 100- and 300-m S1 Products. <i>Remote Sensing</i> , 2016, 8, 824.	1.8	25

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19	Dryland ecosystem dynamic change and its drivers in Mediterranean region. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 59-67.	3.1	24
20	Comparison of Different Cropland Classification Methods under Diversified Agroecological Conditions in the Zambezi River Basin. <i>Remote Sensing</i> , 2020, 12, 2096.	1.8	22
21	Assessment of environmentally sensitive areas to desertification in the Blue Nile Basin driven by the MEDALUS-GEE framework. <i>Science of the Total Environment</i> , 2022, 815, 152925.	3.9	20
22	An Interannual Transfer Learning Approach for Crop Classification in the Hetao Irrigation District, China. <i>Remote Sensing</i> , 2022, 14, 1208.	1.8	20
23	Identification of Crop Type in Crowdsourced Road View Photos with Deep Convolutional Neural Network. <i>Sensors</i> , 2021, 21, 1165.	2.1	16
24	Spatiotemporal Analysis of Precipitation in the Sparsely Gauged Zambezi River Basin Using Remote Sensing and Google Earth Engine. <i>Remote Sensing</i> , 2019, 11, 2977.	1.8	15
25	Satellite-Based Water Consumption Dynamics Monitoring in an Extremely Arid Area. <i>Remote Sensing</i> , 2018, 10, 1399.	1.8	14
26	Performance and the Optimal Integration of Sentinel-1/2 Time-Series Features for Crop Classification in Northern Mongolia. <i>Remote Sensing</i> , 2022, 14, 1830.	1.8	14
27	Indices enhance biological soil crust mapping in sandy and desert lands. <i>Remote Sensing of Environment</i> , 2022, 278, 113078.	4.6	13
28	Approach for Estimating Available Consumable Water for Human Activities in a River Basin. <i>Water Resources Management</i> , 2018, 32, 2353-2368.	1.9	11
29	Enhancing China's Three Red Lines strategy with water consumption limitations. <i>Science Bulletin</i> , 2021, 66, 2057-2060.	4.3	11
30	How long did crops survive from floods caused by Cyclone Idai in Mozambique detected with multi-satellite data. <i>Remote Sensing of Environment</i> , 2022, 269, 112808.	4.6	11
31	Design and characterization of spatial units for monitoring global impacts of environmental factors on major crops and food security. <i>Food and Energy Security</i> , 2016, 5, 40-55.	2.0	10
32	Synthesizing a Regional Territorial Evapotranspiration Dataset for Northern China. <i>Remote Sensing</i> , 2021, 13, 1076.	1.8	10
33	The Impacts of Vegetation and Meteorological Factors on Aerodynamic Roughness Length at Different Time Scales. <i>Atmosphere</i> , 2018, 9, 149.	1.0	7
34	A framework for separating natural and anthropogenic contributions to evapotranspiration of human-managed land covers in watersheds based on machine learning. <i>Science of the Total Environment</i> , 2022, 823, 153726.	3.9	7
35	Quantifying the Contributions of Environmental Factors to Wind Characteristics over 2000-2019 in China. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 515.	1.4	6
36	CropWatch agroclimatic indicators (CWAIs) for weather impact assessment on global agriculture. <i>International Journal of Biometeorology</i> , 2017, 61, 199-215.	1.3	5

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37	Spatial Allocation Method from Coarse Evapotranspiration Data to Agricultural Fields by Quantifying Variations in Crop Cover and Soil Moisture. <i>Remote Sensing</i> , 2021, 13, 343.	1.8	3
38	Method for Environmental Flows Regulation and Early Warning with Remote Sensing and Land Cover Data. <i>Land</i> , 2021, 10, 1216.	1.2	0