

Cuizhen Wang

List of Publications by Year in descending order

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87
papers

2,352
citations

186265
28
h-index

233421
45
g-index

89
all docs

89
docs citations

89
times ranked

2833
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel approach to leveraging social media for rapid flood mapping: a case study of the 2015 South Carolina floods. <i>Cartography and Geographic Information Science</i> , 2018, 45, 97-110.	3.0	148
2	Capability of C-band backscattering coefficients from high-resolution satellite SAR sensors to assess biophysical variables in paddy rice. <i>Remote Sensing of Environment</i> , 2014, 140, 257-266.	11.0	140
3	Mapping paddy rice with multitemporal ALOS/PALSAR imagery in southeast China. <i>International Journal of Remote Sensing</i> , 2009, 30, 6301-6315.	2.9	111
4	Object-Based Crop Classification with Landsat-MODIS Enhanced Time-Series Data. <i>Remote Sensing</i> , 2015, 7, 16091-16107.	4.0	94
5	Characterizing L-Band Scattering of Paddy Rice in Southeast China With Radiative Transfer Model and Multitemporal ALOS/PALSAR Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 988-998.	6.3	75
6	Evaluation of Three MODIS-Derived Vegetation Index Time Series for Dryland Vegetation Dynamics Monitoring. <i>Remote Sensing</i> , 2015, 7, 7597-7614.	4.0	74
7	Vegetation greenness trend (2000 to 2009) and the climate controls in the Qinghai-Tibetan Plateau. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073572.	1.3	68
8	Mapping Urban Bare Land Automatically from Landsat Imagery with a Simple Index. <i>Remote Sensing</i> , 2017, 9, 249.	4.0	66
9	Comparing Sentinel-2 MSI and Landsat 8 OLI in soil salinity detection: a case study of agricultural lands in coastal North Carolina. <i>International Journal of Remote Sensing</i> , 2019, 40, 6134-6153.	2.9	65
10	Assessing phenological change and climatic control of alpine grasslands in the Tibetan Plateau with MODIS time series. <i>International Journal of Biometeorology</i> , 2015, 59, 11-23.	3.0	64
11	A Modified Normalized Difference Impervious Surface Index (MNDISI) for Automatic Urban Mapping from Landsat Imagery. <i>Remote Sensing</i> , 2017, 9, 942.	4.0	64
12	A near real-time flood-mapping approach by integrating social media and post-event satellite imagery. <i>Annals of GIS</i> , 2018, 24, 113-123.	3.1	53
13	Remote Sensing of Soil Alkalinity and Salinity in the Wuyuan-Shuangyang River Basin, Northeast China. <i>Remote Sensing</i> , 2016, 8, 163.	4.0	52
14	Phenology-assisted classification of C3 and C4 grasses in the U.S. Great Plains and their climate dependency with MODIS time series. <i>Remote Sensing of Environment</i> , 2013, 138, 90-101.	11.0	50
15	The long-term trends (1982-2006) in vegetation greenness of the alpine ecosystem in the Qinghai-Tibetan Plateau. <i>Environmental Earth Sciences</i> , 2014, 72, 1827-1841.	2.7	49
16	Detecting winter wheat phenology with SPOT-VEGETATION data in the North China Plain. <i>Geocarto International</i> , 2014, 29, 244-255.	3.5	49
17	Biophysical estimation in tropical forests using JERS-1 SAR and VNIR imagery. II. Aboveground woody biomass. <i>International Journal of Remote Sensing</i> , 2008, 29, 6827-6849.	2.9	48
18	A digital earth prototype system: DEPS/CAS. <i>International Journal of Digital Earth</i> , 2009, 2, 3-15.	3.9	43

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19	Snow effects on alpine vegetation in the Qinghai-Tibetan Plateau. <i>International Journal of Digital Earth</i> , 2015, 8, 58-75.	3.9	42
20	Retrieving canopy height and density of paddy rice from Radarsat-2 images with a canopy scattering model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 28, 170-180.	2.8	38
21	Potential of X-Band Images from High-Resolution Satellite SAR Sensors to Assess Growth and Yield in Paddy Rice. <i>Remote Sensing</i> , 2014, 6, 5995-6019.	4.0	34
22	Prototyping a Social Media Flooding Photo Screening System Based on Deep Learning. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 104.	2.9	33
23	A 100 m population grid in the CONUS by disaggregating census data with open-source Microsoft building footprints. <i>Big Earth Data</i> , 2021, 5, 112-133.	4.4	32
24	Reconstructing Flood Inundation Probability by Enhancing Near Real-Time Imagery With Real-Time Gauges and Tweets. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 4691-4701.	6.3	31
25	Phenology-Based Assessment of Perennial Energy Crops in North American Tallgrass Prairie. <i>Annals of the American Association of Geographers</i> , 2011, 101, 742-751.	3.0	30
26	A visualâ€“textual fused approach to automated tagging of flood-related tweets during a flood event. <i>International Journal of Digital Earth</i> , 2019, 12, 1248-1264.	3.9	30
27	Mapping salt marsh along coastal South Carolina using U-Net. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 179, 121-132.	11.1	30
28	Synergistic Use of Optical and PolSAR Imagery for Urban Impervious Surface Estimation. <i>Photogrammetric Engineering and Remote Sensing</i> , 2014, 80, 91-102.	0.6	28
29	Mapping Soil Alkalinity and Salinity in Northern Songnen Plain, China with the HJ-1 Hyperspectral Imager Data and Partial Least Squares Regression. <i>Sensors</i> , 2018, 18, 3855.	3.8	28
30	Estimation of rice grain yield from dual-polarization Radarsat-2 SAR data by integrating a rice canopy scattering model and a genetic algorithm. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 57, 75-85.	2.8	27
31	Estimating Aboveground Biomass and Its Spatial Distribution in Coastal Wetlands Utilizing Planet Multispectral Imagery. <i>Remote Sensing</i> , 2019, 11, 2020.	4.0	27
32	Monitoring 40-Year Lake Area Changes of the Qaidam Basin, Tibetan Plateau, Using Landsat Time Series. <i>Remote Sensing</i> , 2019, 11, 343.	4.0	27
33	Energy crop mapping with enhanced TM/MODIS time series in the BCAP agricultural lands. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 124, 133-143.	11.1	26
34	Extracting Urban Impervious Surface from WorldView-2 and Airborne LiDAR Data Using 3D Convolutional Neural Networks. <i>Journal of the Indian Society of Remote Sensing</i> , 2019, 47, 401-412.	2.4	26
35	Trajectory-based warm season grassland mapping in Missouri prairies with multi-temporal ASTER imagery. <i>Remote Sensing of Environment</i> , 2010, 114, 531-539.	11.0	25
36	Analysis of temporal radar backscatter of rice: A comparison of SAR observations with modeling results. <i>Canadian Journal of Remote Sensing</i> , 2002, 28, 128-138.	2.4	23

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37	Detecting Invasive <i>Sericea Lespedeza</i> (<i>Lespedeza cuneata</i>) in Mid-Missouri Pastureland Using Hyperspectral Imagery. <i>Environmental Management</i> , 2008, 41, 853-862.	2.7	23
38	Identifying disaster related social media for rapid response: a visual-textual fused CNN architecture. <i>International Journal of Digital Earth</i> , 2020, 13, 1017-1039.	3.9	23
39	MODIS-Derived Spatiotemporal Changes of Major Lake Surface Areas in Arid Xinjiang, China, 2000â€“2014. <i>Water (Switzerland)</i> , 2015, 7, 5731-5751.	2.7	22
40	Satellite monitoring of boreal forest phenology and its climatic responses in Eurasia. <i>International Journal of Remote Sensing</i> , 2017, 38, 5446-5463.	2.9	22
41	Improved Building Extraction With Integrated Decomposition of Time-Frequency and Entropy-Alpha Using Polarimetric SAR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 4058-4068.	4.9	21
42	Improved POLSAR Image Classification by the Use of Multi-Feature Combination. <i>Remote Sensing</i> , 2015, 7, 4157-4177.	4.0	20
43	Environmental Influences on Forest Fire Regime in the Greater Hinggan Mountains, Northeast China. <i>Forests</i> , 2017, 8, 372.	2.1	20
44	Spatial patterns of land surface phenology relative to monthly climate variations: US Great Plains. <i>GIScience and Remote Sensing</i> , 2014, 51, 30-50.	5.9	18
45	Mapping Typical Urban LULC from Landsat Imagery without Training Samples or Self-Defined Parameters. <i>Remote Sensing</i> , 2017, 9, 700.	4.0	18
46	Geospatial assessment of bioenergy land use and its impacts on soil erosion in the U.S. Midwest. <i>Journal of Environmental Management</i> , 2017, 190, 188-196.	7.8	17
47	MODIS-Based Fractional Crop Mapping in the U.S. Midwest with Spatially Constrained Phenological Mixture Analysis. <i>Remote Sensing</i> , 2015, 7, 512-529.	4.0	15
48	Assessing 40 years of spatial dynamics and patterns in megacities along the Belt and Road region using satellite imagery. <i>International Journal of Digital Earth</i> , 2021, 14, 71-87.	3.9	15
49	Assessing bioenergy-driven agricultural land use change and biomass quantities in the U.S. Midwest with MODIS time series. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 085198.	1.3	14
50	A remote sensing perspective of alpine grasslands on the Tibetan Plateau: Better or worse under â€œTibet Warmingâ€œ?. <i>Remote Sensing Applications: Society and Environment</i> , 2016, 3, 36-44.	1.5	14
51	Identifying paddy fields with dual-polarization ALOS/PALSAR data. <i>Canadian Journal of Remote Sensing</i> , 2011, 37, 103-111.	2.4	13
52	Spatial Assessment of Water Quality with Urbanization in 2007â€“2015, Shanghai, China. <i>Remote Sensing</i> , 2018, 10, 1024.	4.0	13
53	Impacts of Agricultural Expansion (1910sâ€“2010s) on the Water Cycle in the Songneng Plain, Northeast China. <i>Remote Sensing</i> , 2018, 10, 1108.	4.0	13
54	Unmanned aerial remote sensing of coastal vegetation: A review. <i>Annals of GIS</i> , 2022, 28, 385-399.	3.1	13

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55	Choosing an appropriate training set size when using existing data to train neural networks for land cover segmentation. <i>Annals of GIS</i> , 2020, 26, 329-342.	3.1	12
56	Remote Sensing Derived Indices for Tracking Urban Land Surface Change in Case of Earthquake Recovery. <i>Remote Sensing</i> , 2020, 12, 895.	4.0	12
57	Mapping salt marsh dieback and condition in South Carolina's North Inlet-Winyah Bay National Estuarine Research Reserve using remote sensing. <i>AIMS Environmental Science</i> , 2017, 4, 677-689.	1.4	12
58	Characterizing the changing environment of cropland in the Songnen Plain, Northeast China, from 1990 to 2015. <i>Journal of Chinese Geography</i> , 2019, 29, 658-674.	3.9	10
59	Identifying marsh dieback events from Landsat image series (1998-2018) with an Autoencoder in the NIWB estuary, South Carolina. <i>International Journal of Digital Earth</i> , 2020, 13, 1467-1483.	3.9	10
60	Deep Learning of High-Resolution Aerial Imagery for Coastal Marsh Change Detection: A Comparative Study. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 100.	2.9	10
61	Detecting Cutleaf Teasel (<i>Dipsacus laciniatus</i>) along a Missouri Highway with Hyperspectral Imagery. <i>Invasive Plant Science and Management</i> , 2012, 5, 155-163.	1.1	9
62	Assessment of the SeaWinds scatterometer for vegetation phenology monitoring across China. <i>International Journal of Remote Sensing</i> , 2013, 34, 5551-5568.	2.9	9
63	Assessing Re-Composition of Xing'an Larch in Boreal Forests after the 1987 Fire, Northeast China. <i>Remote Sensing</i> , 2017, 9, 504.	4.0	9
64	Monitoring bidecadal development of urban agglomeration with remote sensing images in the Jing-Jin-Tang area, China. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 084592.	1.3	8
65	Improved alpine grassland mapping in the Tibetan Plateau with MODIS time series: a phenology perspective. <i>International Journal of Digital Earth</i> , 2015, 8, 133-152.	3.9	8
66	sUAS for 3D Tree Surveying: Comparative Experiments on a Closed-Canopy Earthen Dam. <i>Forests</i> , 2021, 12, 659.	2.1	8
67	RGB Indices and Canopy Height Modelling for Mapping Tidal Marsh Biomass from a Small Unmanned Aerial System. <i>Remote Sensing</i> , 2021, 13, 3406.	4.0	8
68	High-latitude snowfall as a sensitive indicator of climate warming: A case study of Heilongjiang Province, China. <i>Ecological Indicators</i> , 2021, 122, 107249.	6.3	7
69	Biophysical estimation in tropical forests using JERS-1 VNIR imagery. I: Leaf area index. <i>International Journal of Remote Sensing</i> , 2008, 29, 6811-6826.	2.9	6
70	Mapping Inter-Annual Land Cover Variations Automatically Based on a Novel Sample Transfer Method. <i>Remote Sensing</i> , 2018, 10, 1457.	4.0	6
71	Geospatial Assessment of Wetness Dynamics in the October 2015 SC Flood with Remote Sensing and Social Media. <i>Southeastern Geographer</i> , 2018, 58, 164-180.	0.2	6
72	Gap-Filling of 8-Day Terra MODIS Daytime Land Surface Temperature in High-Latitude Cold Region with Generalized Additive Models (GAM). <i>Remote Sensing</i> , 2021, 13, 3667.	4.0	6

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73	Detecting new building construction in urban areas based on images of small unmanned aerial system. <i>Papers in Applied Geography</i> , 2020, 6, 56-71.	1.4	5
74	At-Sensor Radiometric Correction of a Multispectral Camera (RedEdge) for sUAS Vegetation Mapping. <i>Sensors</i> , 2021, 21, 8224.	3.8	5
75	Support vector machine approach to identifying buildings using multi-temporal ALOS/PALSAR data. <i>International Journal of Remote Sensing</i> , 2011, 32, 7163-7177.	2.9	4
76	Carbon Flux Phenology from the Sky: Evaluation for Maize and Soybean. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 877-892.	1.3	3
77	Spatial assessment of sewage discharge with urbanization in 2004–2014, Beijing, China. <i>AIMS Environmental Science</i> , 2016, 3, 842-857.	1.4	3
78	Off-peak NDVI correction to reconstruct Landsat time series for post-fire recovery in high-latitude forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 107, 102704.	2.8	3
79	Biophysical Estimation of Paddy Rice with Canopy Scattering Model and ALOS/PALSAR Imagery in Southeast China. , 2008, , .		2
80	Using sUAS-Derived Point Cloud to Supplement LiDAR Returns for Improved Canopy Height Model on Earthen Dams. <i>Papers in Applied Geography</i> , 2020, 6, 436-448.	1.4	2
81	Applying a rule-based object-based image analysis approach for nearshore bar identification and characterization. <i>Journal of Applied Remote Sensing</i> , 2020, 14, .	1.3	2
82	Spatiotemporal assessment of potential drivers of salt marsh dieback in the North Inlet-Winyah Bay estuary, South Carolina (1990–2019). <i>Journal of Environmental Management</i> , 2022, 313, 114907.	7.8	2
83	Spatiotemporal variations of satellite-derived phenology in the Tibetan Plateau. , 2012, , .		1
84	Mapping Paddy Rice Biomass Using ALOS/PALSAR Imagery. , 2008, , .		0
85	Vegetation phenology monitoring with SeaWinds scatterometer in eastern Asia. , 2014, , .		0
86	Human Settlement Dynamics in Hurricane-Prone Zones of Conterminous U.S: A View from Nighttime Remote Sensing. , 2019, , .		0
87	Image Processing and Analysis Methods. , 2019, , 631-868.		0