Qinchuan Xin

List of Publications by Citations

63 papers	1,454 citations	23 h-index	36 g-index
72 ext. papers	1,791 ext. citations	5.8 avg, IF	5.02 L-index

#	Paper	IF	Citations
63	FROM-GC: 30 m global cropland extent derived through multisource data integration. *International Journal of Digital Earth*, **2013**, 6, 521-533	3.9	102
62	Meta-discoveries from a synthesis of satellite-based land-cover mapping research. *International Journal of Remote Sensing*, **2014**, 35, 4573-4588	3.1	101
61	Automatic building extraction from high-resolution aerial images and LiDAR data using gated residual refinement network. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2019**, 151, 91-105	11.8	100
60	Mapping Crop Cycles in China Using MODIS-EVI Time Series. *Remote Sensing*, **2014**, 6, 2473-2493	5	90
59	Toward near real-time monitoring of forest disturbance by fusion of MODIS and Landsat data. *Remote Sensing of Environment*, **2013**, 135, 234-247	13.2	85
58	Land surface phenological response to decadal climate variability across Australia using satellite remote sensing. *Biogeosciences*, **2014**, 11, 5181-5198	4.6	70
57	Modeling grassland spring onset across the Western United States using climate variables and MODIS-derived phenology metrics. *Remote Sensing of Environment*, **2015**, 161, 63-77	13.2	61
56	Developing a multi-filter convolutional neural network for semantic segmentation using high-resolution aerial imagery and LiDAR data. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 143, 3-14	11.8	59
55	View angle effects on MODIS snow mapping in forests. *Remote Sensing of Environment*, **2012**, 118, 50-59	13.2	48
54	Multi-scale evaluation of light use efficiency in MODIS gross primary productivity for croplands in the Midwestern United States. *Agricultural and Forest Meteorology*, **2015**, 201, 111-119	5.8	44
53	A review of the global soil property maps for Earth system models. *Soil*, **2019**, 5, 137-158	5.8	44
52	A Production Efficiency Model-Based Method for Satellite Estimates of Corn and Soybean Yields in the Midwestern US. *Remote Sensing*, **2013**, 5, 5926-5943	5	44
51	A Global High-Resolution Data Set of Soil Hydraulic and Thermal Properties for Land Surface Modeling. *Journal of Advances in Modeling Earth Systems*, **2019**, 11, 2996-3023	7.1	40
50	Do Arctic breeding geese track or overtake a green wave during spring migration?. *Scientific Reports*, **2015**, 5, 8749	4.9	38
49	Dynamic assessment of the impact of drought on agricultural yield and scale-dependent return periods over large geographic regions. *Environmental Modelling and Software*, **2014**, 62, 454-464	5.2	38
48	Modeling the impacts of water and fertilizer management on the ecosystem service of rice rotated cropping systems in China. *Agriculture, Ecosystems and Environment*, **2016**, 219, 49-57	5.7	33
47	Extracting Building Boundaries from High Resolution Optical Images and LiDAR Data by Integrating the Convolutional Neural Network and the Active Contour Model. *Remote Sensing*, **2018**, 10, 1459	5	32

46	Recognition of building group patterns in topographic maps based on graph partitioning and random forest. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 136, 26-40	11.8	28
45	Cumulative Effects of Climatic Factors on Terrestrial Vegetation Growth. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 789-806	3.7	27
44	Comparison of country-level cropland areas between ESA-CCI land cover maps and FAOSTAT data. *International Journal of Remote Sensing*, **2018**, 39, 6631-6645	3.1	27
43	How does urban expansion interact with cropland loss? A comparison of 14 Chinese cities from 1980 to 2015. *Landscape Ecology*, **2021**, 36, 243-263	4.3	26
42	Deep Learning Approaches for the Mapping of Tree Species Diversity in a Tropical Wetland Using Airborne LiDAR and High-Spatial-Resolution Remote Sensing Images. *Forests*, **2019**, 10, 1047	2.8	24
41	Improving the quantification of waterfowl migration with remote sensing and bird tracking. *Science Bulletin*, **2015**, 60, 1984-1993	10.6	23
40	Global snow cover estimation with Microwave Brightness Temperature measurements and one-class in situ observations. *Remote Sensing of Environment*, **2016**, 182, 227-251	13.2	17
39	Effects of the partitioning of diffuse and direct solar radiation on satellite-based modeling of crop gross primary production. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 50, 51-63	7.3	17
38	Evaluations and comparisons of rule-based and machine-learning-based methods to retrieve satellite-based vegetation phenology using MODIS and USA National Phenology Network data. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 93, 102189	7.3	15
37	Elevated atmospheric CO2 negatively impacts photosynthesis through radiative forcing and physiology-mediated climate feedback. *Geophysical Research Letters*, **2017**, 44, 1956	4.9	14
36	High Resolution Mapping of Cropping Cycles by Fusion of Landsat and MODIS Data. *Remote Sensing* , **2017**, 9, 1232	5	14
35	Quantifying Multi-Decadal Change of Planted Forest Cover Using Airborne LiDAR and Landsat Imagery. *Remote Sensing*, **2016**, 8, 62	5	14
34	Quantifying the spatial and temporal relationship between air and land surface temperatures of different land-cover types in Southeastern China. *International Journal of Remote Sensing*, **2017**, 38, 1114-1136	2.1	12
33	Enhanced Vegetation Growth in the Urban Environment Across 32 Cities in the Northern Hemisphere. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 3831-3846	3.7	11
32	A risk-benefit model to simulate vegetation spring onset in response to multi-decadal climate variability: Theoretical basis and applications from the field to the Northern Hemisphere. *Agricultural and Forest Meteorology*, **2016**, 228-229, 139-163	5.8	9
31	Fine-Grained Building Change Detection From Very High-Spatial-Resolution Remote Sensing Images Based on Deep Multitask Learning. *IEEE Geoscience and Remote Sensing Letters*, **2020**, 1-5	4.1	9
30	A new satellite-based indicator to identify spatiotemporal foraging areas for herbivorous waterfowl. *Ecological Indicators*, **2019**, 99, 83-90	5.8	9
29	Dual Zero-Watermarking Scheme for Two-Dimensional Vector Map Based on Delaunay Triangle Mesh and Singular Value Decomposition. *Applied Sciences (Switzerland)*, **2019**, 9, 642	2.6	8

28	The Application of Discrete Wavelet Transform with Improved Partial Least-Squares Method for the Estimation of Soil Properties with Visible and Near-Infrared Spectral Data. *Remote Sensing*, **2018**, 10, 867	5	8
27	Improving satellite-based modelling of gross primary production in deciduous broadleaf forests by accounting for seasonality in light use efficiency. *International Journal of Remote Sensing*, **2019**, 40, 931-955	3.1	8
26	Attention-Guided Label Refinement Network for Semantic Segmentation of Very High Resolution Aerial Orthoimages. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2021**, 14, 4490-4503	4.7	8
25	Monitoring annual urbanization activities in Guangzhou using Landsat images (1987–2015). *International Journal of Remote Sensing*, **2017**, 38, 1258-1276	3.1	7
24	Modeling photosynthesis of discontinuous plant canopies by linking the Geometric Optical Radiative Transfer model with biochemical processes. *Biogeosciences*, **2015**, 12, 3447-3467	4.6	7
23	Automated Surface Water Extraction Combining Sentinel-2 Imagery and OpenStreetMap Using Presence and Background Learning (PBL) Algorithm. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 3784-3798	4.7	7
22	Constructing 10-m NDVI Time Series From Landsat 8 and Sentinel 2 Images Using Convolutional Neural Networks. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 18, 1461-1465	4.1	7
21	A steady-state approximation approach to simulate seasonal leaf dynamics of deciduous broadleaf forests via climate variables. *Agricultural and Forest Meteorology*, **2018**, 249, 44-56	5.8	7
20	A Deep Learning-Based Framework for Automated Extraction of Building Footprint Polygons from Very High-Resolution Aerial Imagery. *Remote Sensing*, **2021**, 13, 3630	5	7
19	Arbitrary-Shaped Building Boundary-Aware Detection with Pixel Aggregation Network. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2021**, 1-1	4.7	6
18	A Densely Attentive Refinement Network for Change Detection based on Very-High-Resolution Bi-Temporal Remote Sensing Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1	8.1	6
17	Prediction and Analysis of Lake Ice Phenology Dynamics Under Future Climate Scenarios Across the Inner Tibetan Plateau. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD033082	4.4	5
16	Identifying Leaf Phenology of Deciduous Broadleaf Forests from PhenoCam Images Using a Convolutional Neural Network Regression Method. *Remote Sensing*, **2021**, 13, 2331	5	5
15	Propagating Updates of Residential Areas in Multi-Representation Databases Using Constrained Delaunay Triangulations. *ISPRS International Journal of Geo-Information*, **2016**, 5, 80	2.9	5
14	Land surface phenological response to decadal climate variability across Australia using satellite remote sensing		4
13	A method for quality management of vegetation phenophases derived from satellite remote sensing data. *International Journal of Remote Sensing*, **2021**, 42, 5811-5830	3.1	4
12	A deep-learning-based experiment for benchmarking the performance of global terrestrial vegetation phenology models. *Global Ecology and Biogeography*, **2021**, 30, 2178	6.1	4
11	A simple time-stepping scheme to simulate leaf area index, phenology, and gross primary production across deciduous broadleaf forests in the eastern United States. *Biogeosciences*, **2019**, 16, 467-484	4.6	3

10	Topology-Preserving and Geometric Feature-Correction Watermarking of Vector Maps. *IEEE Access*, **2020**, 8, 33428-33441	3.5	2
9	Counting trees in a subtropical mega city using the instance segmentation method. *International Journal of Applied Earth Observation and Geoinformation*, **2022**, 106, 102662	7.3	2
8	Annual dynamic dataset of global cropping intensity from 2001 to 2019. *Scientific Data*, **2021**, 8, 283	8.2	2
7	A Semiprognostic Phenology Model for Simulating Multidecadal Dynamics of Global Vegetation Leaf Area Index. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2019MS001935	7.1	2
6	Machine Learning-Based Modeling of Vegetation Leaf Area Index and Gross Primary Productivity Across North America and Comparison With a Process-Based Model. *Journal of Advances in Modeling Earth Systems*, **2021**, 13, e2021MS002802	7.1	1
5	Satellite-Based Models Need Improvements to Simulating Annual Gross Primary Productivity: A Comparison of Six Models for Regional Modeling of Deciduous Broadleaf Forests. *Remote Sensing*, **2018**, 10, 1008	5	1
4	Comparisons of numerical phenology models and machine learning methods on predicting the spring onset of natural vegetation across the Northern Hemisphere. *Ecological Indicators*, **2021**, 131, 108126	5.8	1
3	Development of a global annual land surface phenology dataset for 1982–2018 from the AVHRR data by implementing multiple phenology retrieving methods. *International Journal of Applied Earth Observation and Geoinformation*, **2021**, 103, 102487	7.3	1
2	Modeling and analyzing supply-demand relationships of water resources in Xinjiang from a perspective of ecosystem services. *Journal of Arid Land*, **2022**, 14, 115-138	2.2	1
1	Deep Learning-Based Spatiotemporal Data Fusion Using a Patch-to-Pixel Mapping Strategy and Model Comparisons. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 60, 1-18	8.1	0