

# Caixia Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,940  
citations

430874

18  
h-index

414414

32  
g-index

36  
all docs

36  
docs citations

36  
times ranked

3695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finer resolution observation and monitoring of global land cover: first mapping results with Landsat TM and ETM+ data. <i>International Journal of Remote Sensing</i> , 2013, 34, 2607-2654.	2.9	1,263
2	Mapping major land cover dynamics in Beijing using all Landsat images in Google Earth Engine. <i>Remote Sensing of Environment</i> , 2017, 202, 166-176.	11.0	303
3	Mapping wetland changes in China between 1978 and 2008. <i>Science Bulletin</i> , 2012, 57, 2813-2823.	1.7	248
4	Towards a common validation sample set for global land-cover mapping. <i>International Journal of Remote Sensing</i> , 2014, 35, 4795-4814.	2.9	154
5	Meta-discoveries from a synthesis of satellite-based land-cover mapping research. <i>International Journal of Remote Sensing</i> , 2014, 35, 4573-4588.	2.9	130
6	The first all-season sample set for mapping global land cover with Landsat-8 data. <i>Science Bulletin</i> , 2017, 62, 508-515.	9.0	104
7	TL-GDBN: Growing Deep Belief Network With Transfer Learning. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 874-885.	5.2	100
8	The migration of training samples towards dynamic global land cover mapping. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 27-36.	11.1	71
9	Integration of multi-resource remotely sensed data and allometric models for forest aboveground biomass estimation in China. <i>Remote Sensing of Environment</i> , 2019, 221, 225-234.	11.0	68
10	A deep belief network with PLSR for nonlinear system modeling. <i>Neural Networks</i> , 2018, 104, 68-79.	5.9	59
11	A self-organizing deep belief network for nonlinear system modeling. <i>Applied Soft Computing Journal</i> , 2018, 65, 170-183.	7.2	49
12	A sparse deep belief network with efficient fuzzy learning framework. <i>Neural Networks</i> , 2020, 121, 430-440.	5.9	48
13	Effect of partial root zone drying and deficit irrigation on nitrogen and phosphorus uptake in potato. <i>Agricultural Water Management</i> , 2015, 159, 66-76.	5.6	46
14	Arbuscular mycorrhizal fungi alleviate abiotic stresses in potato plants caused by low phosphorus and deficit irrigation/partial root-zone drying. <i>Journal of Agricultural Science</i> , 2018, 156, 46-58.	1.3	45
15	PM2.5 concentration modeling and prediction by using temperature-based deep belief network. <i>Neural Networks</i> , 2021, 133, 157-165.	5.9	37
16	Mapping vegetation heights in China using slope correction ICESat data, SRTM, MODIS-derived and climate data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 129, 189-199.	11.1	35
17	Forest Canopy Height Extraction in Rugged Areas With ICESat/GLAS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 4650-4657.	6.3	32
18	Detecting Land Degradation in Eastern China Grasslands with Time Series Segmentation and Residual Trend analysis (TSS-RESTREND) and GIMMS NDVI3g Data. <i>Remote Sensing</i> , 2019, 11, 1014.	4.0	25

#	ARTICLE	IF	CITATIONS
19	Joint Use of ICESat/GLAS and Landsat Data in Land Cover Classification: A Case Study in Henan Province, China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 511-522.	4.9	18
20	Quantifying Multi-Decadal Change of Planted Forest Cover Using Airborne LiDAR and Landsat Imagery. Remote Sensing, 2016, 8, 62.	4.0	15
21	A Pixel-Based Vegetation Greenness Trend Analysis over the Russian Tundra with All Available Landsat Data from 1984 to 2018. Remote Sensing, 2021, 13, 4933.	4.0	15
22	Constructing a Finer-Resolution Forest Height in China Using ICESat/GLAS, Landsat and ALOS PALSAR Data and Height Patterns of Natural Forests and Plantations. Remote Sensing, 2019, 11, 1740.	4.0	12
23	Correcting the overestimate of forest biomass carbon on the national scale. Methods in Ecology and Evolution, 2016, 7, 447-455.	5.2	11
24	Domestic wastewater infiltration process in desert sandy soil and its irrigation prospect analysis. Ecotoxicology and Environmental Safety, 2021, 208, 111419.	6.0	10
25	Comparison of the Hydrological Dynamics of Poyang Lake in the Wet and Dry Seasons. Remote Sensing, 2021, 13, 985.	4.0	10
26	Integrating Multi-Source Remote Sensing to Assess Forest Aboveground Biomass in the Khingan Mountains of North-Eastern China Using Machine-Learning Algorithms. Remote Sensing, 2022, 14, 1039.	4.0	7
27	Separating Regressions for Model Fitting to Reduce the Uncertainty in Forest Volume-Biomass Relationship. Forests, 2019, 10, 658.	2.1	6
28	Fine-resolution mapping of the circumpolar Arctic Man-made impervious areas (CAMI) using sentinels, OpenStreetMap and ArcticDEM. Big Earth Data, 2022, 6, 196-218.	4.4	6
29	The importance of data type, laser spot density and modelling method for vegetation height mapping in continental China. International Journal of Remote Sensing, 2016, 37, 6127-6148.	2.9	4
30	How Deep Is Deep Enough for Deep Belief Network for Approximating Model Predictive Control Law. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2067-2078.	5.2	4
31	A tentative study of water quality retrieval in low-level-polluted Case II waters using analytical model. , 2012, , .		2
32	The preliminary inquiry of Chlorophyll-a inversion algorithms applicable to guanting reservoir. , 2013, , .		1
33	Absorption characteristics of particulates and the CDOM in spring in Lake Kuncheng, Taihu Basin. Hupo Kexue/Journal of Lake Sciences, 2011, 23, 773-782.	0.8	1
34	Comparison of Hydrological Patterns between Glacier-Fed and Non-Glacier-Fed Lakes on the Southeastern Tibetan Plateau. Remote Sensing, 2021, 13, 4024.	4.0	1
35	A simplified image fusion technique with sensor spectral response. , 2010, , .		0
36	Applying a New Integrated Classification Method to Monitor Shifting Mangrove Wetlands. , 2010, , .		0