Caixia Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/407520/publications.pdf

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	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
2	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
3	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
4	PM2.5 concentration modeling and prediction by using temperature-based deep belief network. Neural Networks, 2021, 133, 157-165.	5.9	37
5	Domestic wastewater infiltration process in desert sandy soil and its irrigation prospect analysis. Ecotoxicology and Environmental Safety, 2021, 208, 111419.	6.0	10
6	Comparison of the Hydrological Dynamics of Poyang Lake in the Wet and Dry Seasons. Remote Sensing, 2021, 13, 985.	4.0	10
7	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
8	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
9	A sparse deep belief network with efficient fuzzy learning framework. Neural Networks, 2020, 121, 430-440.	5.9	48
10	The migration of training samples towards dynamic global land cover mapping. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 27-36.	11.1	71
11	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
12	Separating Regressions for Model Fitting to Reduce the Uncertainty in Forest Volume-Biomass Relationship. Forests, 2019, 10, 658.	2.1	6
13	Detecting Land Degradation in Eastern China Grasslands with Time Series Segmentation and Residual Trend analysis (TSS-RESTREND) and GIMMS NDVI3g Data. Remote Sensing, 2019, 11, 1014.	4.0	25
14	Integration of multi-resource remotely sensed data and allometric models for forest aboveground biomass estimation in China. Remote Sensing of Environment, 2019, 221, 225-234.	11.0	68
15	TL-GDBN: Growing Deep Belief Network With Transfer Learning. IEEE Transactions on Automation Science and Engineering, 2019, 16, 874-885.	5.2	100
16	A self-organizing deep belief network for nonlinear system modeling. Applied Soft Computing Journal, 2018, 65, 170-183.	7.2	49
17	Arbuscular mycorrhizal fungi alleviate abiotic stresses in potato plants caused by low phosphorus and deficit irrigation/partial root-zone drying. Journal of Agricultural Science, 2018, 156, 46-58.	1.3	45
18	A deep belief network with PLSR for nonlinear system modeling. Neural Networks, 2018, 104, 68-79.	5.9	59

#	Article	IF	Citations
19	Mapping major land cover dynamics in Beijing using all Landsat images in Google Earth Engine. Remote Sensing of Environment, 2017, 202, 166-176.	11.0	303
20	Mapping vegetation heights in China using slope correction ICESat data, SRTM, MODIS-derived and climate data. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 129, 189-199.	11.1	35
21	The first all-season sample set for mapping global land cover with Landsat-8 data. Science Bulletin, 2017, 62, 508-515.	9.0	104
22	Quantifying Multi-Decadal Change of Planted Forest Cover Using Airborne LiDAR and Landsat Imagery. Remote Sensing, 2016, 8, 62.	4.0	15
23	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
24	Correcting the overestimate of forest biomass carbon on the national scale. Methods in Ecology and Evolution, 2016, 7, 447-455.	5.2	11
25	Effect of partial root zone drying and deficit irrigation on nitrogen and phosphorus uptake in potato. Agricultural Water Management, 2015, 159, 66-76.	5.6	46
26	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
27	Towards a common validation sample set for global land-cover mapping. International Journal of Remote Sensing, 2014, 35, 4795-4814.	2.9	154
28	Forest Canopy Height Extraction in Rugged Areas With ICESat/GLAS Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4650-4657.	6.3	32
29	Meta-discoveries from a synthesis of satellite-based land-cover mapping research. International Journal of Remote Sensing, 2014, 35, 4573-4588.	2.9	130
30	Finer resolution observation and monitoring of global land cover: first mapping results with Landsat TM and ETM+ data. International Journal of Remote Sensing, 2013, 34, 2607-2654.	2.9	1,263
31	The preliminary inquiry of Chlorophyll-a inversion algorihtms applicable to guanting reservoir. , 2013, , .		1
32	A tentative study of water quality retrieval in low-level-polluted Case II waters using analytical model. , 2012, , .		2
33	Mapping wetland changes in China between 1978 and 2008. Science Bulletin, 2012, 57, 2813-2823.	1.7	248
34	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
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