

Yi Lin

List of Publications by Year in descending order

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61
papers

1,692
citations

394421

19
h-index

289244

40
g-index

61
all docs

61
docs citations

61
times ranked

2047
citing authors

#	ARTICLE	IF	CITATIONS
1	Periconnection: A novel macroecological effect in snow cover phenology modulating ecosystem productivity over upper Northern Hemisphere. <i>Science of the Total Environment</i> , 2022, 805, 150164.	8.0	2
2	Spatial pattern analysis of forest trees based on the vectorial mark. <i>Journal of Forestry Research</i> , 2022, 33, 1301-1315.	3.6	1
3	Temporal and Spatial Characteristics of the Global Skylight Polarization Vector Field. <i>Remote Sensing</i> , 2022, 14, 2193.	4.0	2
4	Towards 3D basic theories of plant forms. <i>Communications Biology</i> , 2022, 5, .	4.4	3
5	Remote Sensing of Ecosystem Water Use Efficiency: A Review of Direct and Indirect Estimation Methods. <i>Remote Sensing</i> , 2021, 13, 2393.	4.0	21
6	Individual tree detection and crown segmentation based on metabolic theory from airborne laser scanning data. <i>Journal of Applied Remote Sensing</i> , 2021, 15, .	1.3	3
7	Towards 3D tree spatial pattern analysis: Setting the cornerstone of LiDAR advancing 3D forest structural and spatial ecology. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 103, 102506.	2.8	1
8	GPM-Based Multitemporal Weighted Precipitation Analysis Using GPM_IMERGDF Product and ASTER DEM in EDBF Algorithm. <i>Remote Sensing</i> , 2020, 12, 3162.	4.0	8
9	Angular effect in proximal sensing of leaf-level chlorophyll content using low-cost DIY visible/near-infrared camera. <i>Computers and Electronics in Agriculture</i> , 2020, 178, 105765.	7.7	2
10	Discrepancies in the Simulated Global Terrestrial Latent Heat Flux from GLASS and MERRA-2 Surface Net Radiation Products. <i>Remote Sensing</i> , 2020, 12, 2763.	4.0	9
11	Modeling Bidirectional Polarization Distribution Function of Land Surfaces Using Machine Learning Techniques. <i>Remote Sensing</i> , 2020, 12, 3891.	4.0	1
12	Estimation of Daily Terrestrial Latent Heat Flux with High Spatial Resolution from MODIS and Chinese GF-1 Data. <i>Sensors</i> , 2020, 20, 2811.	3.8	10
13	Geologic factors leadingly drawing the macroecological pattern of rocky desertification in southwest China. <i>Scientific Reports</i> , 2020, 10, 1440.	3.3	10
14	General review of optical polarization remote sensing. <i>International Journal of Remote Sensing</i> , 2020, 41, 4853-4864.	2.9	44
15	Extraction of urban power lines and potential hazard analysis from mobile laser scanning point clouds. <i>International Journal of Remote Sensing</i> , 2020, 41, 3411-3428.	2.9	18
16	Estimating forest aboveground biomass using small-footprint full-waveform airborne LiDAR data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 83, 101922.	2.8	14
17	Characterizing ecosystem phenological diversity and its macroecology with snow cover phenology. <i>Scientific Reports</i> , 2019, 9, 15074.	3.3	4
18	Urban plant phenology monitoring: Expanding the functions of widespread surveillance cameras to nature rhythm understanding. <i>Remote Sensing Applications: Society and Environment</i> , 2019, 15, 100232.	1.5	4

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19	Combining hyperspectral imagery and LiDAR pseudo-waveform for predicting crop LAI, canopy height and above-ground biomass. <i>Ecological Indicators</i> , 2019, 102, 801-812.	6.3	31
20	Airborne LiDAR Point Cloud Filtering by a Multilevel Adaptive Filter Based on Morphological Reconstruction and Thin Plate Spline Interpolation. <i>Electronics (Switzerland)</i> , 2019, 8, 1153.	3.1	16
21	Laser scanning advancing 3D forest ecology. , 2019, , .		1
22	Merging the MODIS and Landsat Terrestrial Latent Heat Flux Products Using the Multiresolution Tree Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2811-2823.	6.3	11
23	Comparative Performances of Airborne LiDAR Height and Intensity Data for Leaf Area Index Estimation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 300-310.	4.9	38
24	Desertification in the south Junggar Basin, 2000â€“2009: Part I. Spatial analysis and indicator retrieval. <i>Advances in Space Research</i> , 2018, 62, 1-15.	2.6	7
25	Automatic Recognition of Pole-Like Objects from Mobile Laser Scanning Point Clouds. <i>Remote Sensing</i> , 2018, 10, 1891.	4.0	18
26	Aboveground Tree Biomass Estimation of Sparse Subalpine Coniferous Forest with UAV Oblique Photography. <i>Remote Sensing</i> , 2018, 10, 1849.	4.0	52
27	Recruiting Conventional Tree Architecture Models into State-of-the-Art LiDAR Mapping for Investigating Tree Growth Habits in Structure. <i>Frontiers in Plant Science</i> , 2018, 9, 220.	3.6	6
28	A New Algorithm for MLS-Based DBH Mensuration and Its Preliminary Validation in an Urban Boreal Forest: Aiming at One Cornerstone of Allometry-Based Forest Biometrics. <i>Remote Sensing</i> , 2018, 10, 749.	4.0	2
29	Desertification in the south Junggar Basin, 2000â€“2009: Part II. Model development and trend analysis. <i>Advances in Space Research</i> , 2018, 62, 16-29.	2.6	0
30	From prototype system to practical application of hyperspectral LiDAR: Investigation of the intraday 3D variations of tree biophysics and biochemistry. , 2018, , .		1
31	A simple temperature domain twoâ€“source model for estimating agricultural field surface energy fluxes from Landsat images. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5211-5236.	3.3	43
32	Toward extending terrestrial laser scanning applications in forestry: a case study of broad- and needle-leaf tree classification. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 016037.	1.3	1
33	Validation of a low-cost 2D laser scanner in development of a more-affordable mobile terrestrial proximal sensing system for 3D plant structure phenotyping in indoor environment. <i>Computers and Electronics in Agriculture</i> , 2017, 140, 180-189.	7.7	20
34	Differences in estimating terrestrial water flux from three satellite-based Priestley-Taylor algorithms. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 56, 1-12.	2.8	21
35	Maximum temperature drove snow cover expansion from the Arctic, 2000â€“2008. <i>Scientific Reports</i> , 2017, 7, 15090.	3.3	6
36	TLS-bridged co-prediction of tree-level multifarious stem structure variables from worldview-2 panchromatic imagery: a case study of the boreal forest. <i>International Journal of Digital Earth</i> , 2017, 10, 701-718.	3.9	3

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37	Analyses of Impact of Needle Surface Properties on Estimation of Needle Absorption Spectrum: Case Study with Coniferous Needle and Shoot Samples. <i>Remote Sensing</i> , 2016, 8, 563.	4.0	58
38	Retrieval of effective leaf area index (LAI) and leaf area density (LAD) profile at individual tree level using high density multi-return airborne LiDAR. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 50, 150-158.	2.8	23
39	Tree species classification based on stem-related feature parameters derived from static terrestrial laser scanning data. <i>International Journal of Remote Sensing</i> , 2016, 37, 4420-4440.	2.9	5
40	Reflecting conifer phenology using mobile terrestrial LiDAR: A case study of <i>Pinus sylvestris</i> growing under the Mediterranean climate in Perth, Australia. <i>Ecological Indicators</i> , 2016, 70, 1-9.	6.3	15
41	Airborne light detection and ranging laser return intensity-based investigation into crown-inside? A case study on <i>Quercus robur</i> trees. <i>Journal of Applied Remote Sensing</i> , 2016, 10, 026024.	1.3	1
42	A comprehensive but efficient framework of proposing and validating feature parameters from airborne LiDAR data for tree species classification. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 46, 45-55.	2.8	45
43	Tree species classification based on explicit tree structure feature parameters derived from static terrestrial laser scanning data. <i>Agricultural and Forest Meteorology</i> , 2016, 216, 105-114.	4.8	60
44	MLS-assisted validation of WorldView-2 panchromatic image for estimating <i>Pinus sylvestris</i> crown height. <i>Remote Sensing Letters</i> , 2015, 6, 125-134.	1.4	2
45	LiDAR: An important tool for next-generation phenotyping technology of high potential for plant phenomics?. <i>Computers and Electronics in Agriculture</i> , 2015, 119, 61-73.	7.7	145
46	Use of UAV oblique imaging for the detection of individual trees in residential environments. <i>Urban Forestry and Urban Greening</i> , 2015, 14, 404-412.	5.3	72
47	Individual Deciduous Tree Recognition in Leaf-Off Aerial Ultrahigh Spatial Resolution Remotely Sensed Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 38-42.	3.1	8
48	Tree mapping using airborne, terrestrial and mobile laser scanning – A case study in a heterogeneous urban forest. <i>Urban Forestry and Urban Greening</i> , 2013, 12, 546-553.	5.3	106
49	Investigation of Tree Spectral Reflectance Characteristics Using a Mobile Terrestrial Line Spectrometer and Laser Scanner. <i>Sensors</i> , 2013, 13, 9305-9320.	3.8	7
50	Stop-and-Go Mode: Sensor Manipulation as Essential as Sensor Development in Terrestrial Laser Scanning. <i>Sensors</i> , 2013, 13, 8140-8154.	3.8	10
51	Performance Analysis of Mobile Laser Scanning Systems in Target Representation. <i>Remote Sensing</i> , 2013, 5, 3140-3155.	4.0	13
52	Three-level frame and RD-schematic algorithm for automatic detection of individual trees from MLS point clouds. <i>International Journal of Remote Sensing</i> , 2012, 33, 1701-1716.	2.9	22
53	Tree Height Growth Measurement with Single-Scan Airborne, Static Terrestrial and Mobile Laser Scanning. <i>Sensors</i> , 2012, 12, 12798-12813.	3.8	25
54	Automatic extraction of parallel edges based on eigenvalue analysis and collateral expansion. <i>International Journal of Remote Sensing</i> , 2012, 33, 382-395.	2.9	2

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55	Multiecho-Recording Mobile Laser Scanning for Enhancing Individual Tree Crown Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4323-4332.	6.3	25
56	Characterization of mobile LiDAR data collected with multiple echoes per pulse from crowns during foliation. Scandinavian Journal of Forest Research, 2012, 27, 298-311.	1.4	8
57	Mini-LiAV-Borne LIDAR for Fine-Scale Mapping. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 426-430.	3.1	260
58	Combining mobile and static terrestrial laser scanners to investigate individual crown attributes during foliation. Canadian Journal of Remote Sensing, 2011, 37, 359-375.	2.4	6
59	A low-cost multi-sensoral mobile mapping system and its feasibility for tree measurements. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 514-522.	11.1	276
60	From TLS to VLS: Biomass Estimation at Individual Tree Level. Remote Sensing, 2010, 2, 1864-1879.	4.0	45
61	Geometry and intensity based culvert detection in mobile laser scanning point clouds. Journal of Applied Remote Sensing, 2010, 4, 043553.	1.3	19