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	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
2	Mini-UAV-Borne LIDAR for Fine-Scale Mapping. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 426-430.	3.1	260
3	LiDAR: An important tool for next-generation phenotyping technology of high potential for plant phenomics?. Computers and Electronics in Agriculture, 2015, 119, 61-73.	7.7	145
4	Tree mapping using airborne, terrestrial and mobile laser scanning â€“ A case study in a heterogeneous urban forest. Urban Forestry and Urban Greening, 2013, 12, 546-553.	5.3	106
5	Use of UAV oblique imaging for the detection of individual trees in residential environments. Urban Forestry and Urban Greening, 2015, 14, 404-412.	5.3	72
6	Tree species classification based on explicit tree structure feature parameters derived from static terrestrial laser scanning data. Agricultural and Forest Meteorology, 2016, 216, 105-114.	4.8	60
7	Analyses of Impact of Needle Surface Properties on Estimation of Needle Absorption Spectrum: Case Study with Coniferous Needle and Shoot Samples. Remote Sensing, 2016, 8, 563.	4.0	58
8	Aboveground Tree Biomass Estimation of Sparse Subalpine Coniferous Forest with UAV Oblique Photography. Remote Sensing, 2018, 10, 1849.	4.0	52
9	From TLS to VLS: Biomass Estimation at Individual Tree Level. Remote Sensing, 2010, 2, 1864-1879.	4.0	45
10	A comprehensive but efficient framework of proposing and validating feature parameters from airborne LiDAR data for tree species classification. International Journal of Applied Earth Observation and Geoinformation, 2016, 46, 45-55.	2.8	45
11	General review of optical polarization remote sensing. International Journal of Remote Sensing, 2020, 41, 4853-4864.	2.9	44
12	A simple temperature domain twoâ€source model for estimating agricultural field surface energy fluxes from Landsat images. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5211-5236.	3.3	43
13	Comparative Performances of Airborne LiDAR Height and Intensity Data for Leaf Area Index Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 300-310.	4.9	38
14	Combining hyperspectral imagery and LiDAR pseudo-waveform for predicting crop LAI, canopy height and above-ground biomass. Ecological Indicators, 2019, 102, 801-812.	6.3	31
15	Tree Height Growth Measurement with Single-Scan Airborne, Static Terrestrial and Mobile Laser Scanning. Sensors, 2012, 12, 12798-12813.	3.8	25
16	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
17	Retrieval of effective leaf area index (LAIe) and leaf area density (LAD) profile at individual tree level using high density multi-return airborne LiDAR. International Journal of Applied Earth Observation and Geoinformation, 2016, 50, 150-158.	2.8	23
18	Three-level frame and RD-schematic algorithm for automatic detection of individual trees from MLS point clouds. International Journal of Remote Sensing, 2012, 33, 1701-1716.	2.9	22

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19	Differences in estimating terrestrial water flux from three satellite-based Priestley-Taylor algorithms. International Journal of Applied Earth Observation and Geoinformation, 2017, 56, 1-12.	2.8	21
20	Remote Sensing of Ecosystem Water Use Efficiency: A Review of Direct and Indirect Estimation Methods. Remote Sensing, 2021, 13, 2393.	4.0	21
21	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. Computers and Electronics in Agriculture, 2017, 140, 180-189.	7.7	20
22	Geometry and intensity based culvert detection in mobile laser scanning point clouds. Journal of Applied Remote Sensing, 2010, 4, 043553.	1.3	19
23	Automatic Recognition of Pole-Like Objects from Mobile Laser Scanning Point Clouds. Remote Sensing, 2018, 10, 1891.	4.0	18
24	Extraction of urban power lines and potential hazard analysis from mobile laser scanning point clouds. International Journal of Remote Sensing, 2020, 41, 3411-3428.	2.9	18
25	Airborne LiDAR Point Cloud Filtering by a Multilevel Adaptive Filter Based on Morphological Reconstruction and Thin Plate Spline Interpolation. Electronics (Switzerland), 2019, 8, 1153.	3.1	16
26	Reflecting conifer phenology using mobile terrestrial LiDAR: A case study of Pinus sylvestris growing under the Mediterranean climate in Perth, Australia. Ecological Indicators, 2016, 70, 1-9.	6.3	15
27	Estimating forest aboveground biomass using small-footprint full-waveform airborne LiDAR data. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101922.	2.8	14
28	Performance Analysis of Mobile Laser Scanning Systems in Target Representation. Remote Sensing, 2013, 5, 3140-3155.	4.0	13
29	Merging the MODIS and Landsat Terrestrial Latent Heat Flux Products Using the Multiresolution Tree Method. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2811-2823.	6.3	11
30	Stop-and-Go Mode: Sensor Manipulation as Essential as Sensor Development in Terrestrial Laser Scanning. Sensors, 2013, 13, 8140-8154.	3.8	10
31	Estimation of Daily Terrestrial Latent Heat Flux with High Spatial Resolution from MODIS and Chinese GF-1 Data. Sensors, 2020, 20, 2811.	3.8	10
32	Geologic factors leadingly drawing the macroecological pattern of rocky desertification in southwest China. Scientific Reports, 2020, 10, 1440.	3.3	10
33	Discrepancies in the Simulated Global Terrestrial Latent Heat Flux from GLASS and MERRA-2 Surface Net Radiation Products. Remote Sensing, 2020, 12, 2763.	4.0	9
34	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
35	Individual Deciduous Tree Recognition in Leaf-Off Aerial Ultrahigh Spatial Resolution Remotely Sensed Imagery. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 38-42.	3.1	8
36	GPM-Based Multitemporal Weighted Precipitation Analysis Using GPM_IMERGDF Product and ASTER DEM in EDBF Algorithm. Remote Sensing, 2020, 12, 3162.	4.0	8

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37	Investigation of Tree Spectral Reflectance Characteristics Using a Mobile Terrestrial Line Spectrometer and Laser Scanner. Sensors, 2013, 13, 9305-9320.	3.8	7
38	Desertification in the south Junggar Basin, 2000â€“2009: Part I. Spatial analysis and indicator retrieval. Advances in Space Research, 2018, 62, 1-15.	2.6	7
39	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
40	Maximum temperature drove snow cover expansion from the Arctic, 2000â€“2008. Scientific Reports, 2017, 7, 15090.	3.3	6
41	Recruiting Conventional Tree Architecture Models into State-of-the-Art LiDAR Mapping for Investigating Tree Growth Habits in Structure. Frontiers in Plant Science, 2018, 9, 220.	3.6	6
42	Tree species classification based on stem-related feature parameters derived from static terrestrial laser scanning data. International Journal of Remote Sensing, 2016, 37, 4420-4440.	2.9	5
43	Characterizing ecosystem phenological diversity and its macroecology with snow cover phenology. Scientific Reports, 2019, 9, 15074.	3.3	4
44	Urban plant phenology monitoring: Expanding the functions of widespread surveillance cameras to nature rhythm understanding. Remote Sensing Applications: Society and Environment, 2019, 15, 100232.	1.5	4
45	Individual tree detection and crown segmentation based on metabolic theory from airborne laser scanning data. Journal of Applied Remote Sensing, 2021, 15, .	1.3	3
46	TLS-bridged co-prediction of tree-level multifarious stem structure variables from worldview-2 panchromatic imagery: a case study of the boreal forest. International Journal of Digital Earth, 2017, 10, 701-718.	3.9	3
47	Towards 3D basic theories of plant forms. Communications Biology, 2022, 5, .	4.4	3
48	Automatic extraction of parallel edges based on eigenvalue analysis and collateral expansion. International Journal of Remote Sensing, 2012, 33, 382-395.	2.9	2
49	MLS-assisted validation of WorldView-2 panchromatic image for estimating Pinus sylvestris crown height. Remote Sensing Letters, 2015, 6, 125-134.	1.4	2
50	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. Remote Sensing, 2018, 10, 749.	4.0	2
51	Angular effect in proximal sensing of leaf-level chlorophyll content using low-cost DIY visible/near-infrared camera. Computers and Electronics in Agriculture, 2020, 178, 105765.	7.7	2
52	Periconnection: A novel macroecological effect in snow cover phenology modulating ecosystem productivity over upper Northern Hemisphere. Science of the Total Environment, 2022, 805, 150164.	8.0	2
53	Temporal and Spatial Characteristics of the Global Skylight Polarization Vector Field. Remote Sensing, 2022, 14, 2193.	4.0	2
54	Airborne light detection and ranging laser return intensity-based investigation into crown-inside? A case study onQuercus roburtrees. Journal of Applied Remote Sensing, 2016, 10, 026024.	1.3	1

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55	Toward extending terrestrial laser scanning applications in forestry: a case study of broad- and needle-leaf tree classification. Journal of Applied Remote Sensing, 2017, 11, 016037.	1.3	1
56	Laser scanning advancing 3D forest ecology. , 2019, , .		1
57	Modeling Bidirectional Polarization Distribution Function of Land Surfaces Using Machine Learning Techniques. Remote Sensing, 2020, 12, 3891.	4.0	1
58	Towards 3D tree spatial pattern analysis: Setting the cornerstone of LiDAR advancing 3D forest structural and spatial ecology. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102506.	2.8	1
59	From prototype system to practical application of hyperspectral LiDAR: Investigation of the intraday 3D variations of tree biophysics and biochemistry. , 2018, , .		1
60	Spatial pattern analysis of forest trees based on the vectorial mark. Journal of Forestry Research, 2022, 33, 1301-1315.	3.6	1
61	Desertification in the south Junggar Basin, 2000â€“2009: Part II. Model development and trend analysis. Advances in Space Research, 2018, 62, 16-29.	2.6	0