Yunsheng Wang

List of Publications by Year
in descending order

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36 papers	2,783 citations	257450 24 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	2300 citing authors

#	Article	IF	Citations
1	Seamless integration of above- and under-canopy unmanned aerial vehicle laser scanning for forest investigation. Forest Ecosystems, 2021, 8, .	3.1	18
2	Interest point detection from multiâ€beam light detection and ranging point cloud using unsupervised convolutional neural network. IET Image Processing, 2021, 15, 369-377.	2.5	3
3	Comparing features of single and multi-photon lidar in boreal forests. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 168, 268-276.	11.1	23
4	Fast registration of forest terrestrial laser scans using key points detected from crowns and stems. International Journal of Digital Earth, 2020, 13, 1585-1603.	3.9	10
5	Accurate derivation of stem curve and volume using backpack mobile laser scanning. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 246-262.	11.1	77
6	Under-canopy UAV laser scanning for accurate forest field measurements. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 164, 41-60.	11.1	83
7	A Long-Term Terrestrial Laser Scanning Measurement Station to Continuously Monitor Structural and Phenological Dynamics of Boreal Forest Canopy. Frontiers in Plant Science, 2020, 11, 606752.	3.6	28
8	Automated fusion of forest airborne and terrestrial point clouds through canopy density analysis. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 94-107.	11.1	37
9	In situ biomass estimation at tree and plot levels: What did data record and what did algorithms derive from terrestrial and aerial point clouds in boreal forest. Remote Sensing of Environment, 2019, 232, 111309.	11.0	53
10	Forest in situ observations using unmanned aerial vehicle as an alternative of terrestrial measurements. Forest Ecosystems, 2019, 6, .	3.1	86
11	Variability of wood properties using airborne and terrestrial laser scanning. Remote Sensing of Environment, 2019, 235, 111474.	11.0	31
12	Is field-measured tree height as reliable as believed â€“ A comparison study of tree height estimates from field measurement, airborne laser scanning and terrestrial laser scanning in a boreal forest. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 147, 132-145.	11.1	179
13	Mean Shift Segmentation Assessment for Individual Forest Tree Delineation from Airborne Lidar Data. Remote Sensing, 2019, 11, 1263.	4.0	45
14	Estimating Ground Level and Canopy Top Elevation With Airborne Microwave Profiling Radar. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2283-2294.	6.3	9
15	Assessing branching structure for biomass and wood quality estimation using terrestrial laser scanning point clouds. Canadian Journal of Remote Sensing, 2018, 44, 462-475.	2.4	24
16	In-situ measurements from mobile platforms: An emerging approach to address the old challenges associated with forest inventories. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 143, 97-107.	11.1	78
17	Quantitative Assessment of Scots Pine (Pinus Sylvestris L.) Whorl Structure in a Forest Environment Using Terrestrial Laser Scanning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3598-3607.	4.9	33
18	International benchmarking of terrestrial laser scanning approaches for forest inventories. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 144, 137-179.	11.1	254

#	Article	IF	Citations
19	Forest Inventory Using Laser Scanning. , 2018, , 379-412.		3
20	Automated matching of multiple terrestrial laser scans for stem mapping without the use of artificial references. International Journal of Applied Earth Observation and Geoinformation, 2017, 56, 13-23.	2.8	43
21	A Novel GNSS Technique for Predicting Boreal Forest Attributes at Low Cost. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4855-4867.	6.3	12
22	Autonomous Collection of Forest Field Referenceâ€"The Outlook and a First Step with UAV Laser Scanning. Remote Sensing, 2017, 9, 785.	4.0	85
23	International Benchmarking of the Individual Tree Detection Methods for Modeling 3-D Canopy Structure for Silviculture and Forest Ecology Using Airborne Laser Scanning. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5011-5027.	6.3	129
24	Can global navigation satellite system signals reveal the ecological attributes of forests?. International Journal of Applied Earth Observation and Geoinformation, 2016, 50, 74-79.	2.8	9
25	Terrestrial laser scanning in forest inventories. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 115, 63-77.	11.1	511
26	Twoâ€dimensional and threeâ€dimensional computational models in hydrodynamic and morphodynamic reconstructions of a river bend: sensitivity and functionality. Hydrological Processes, 2015, 29, 1604-1629.	2.6	40
27	Empirical Modeling of Spatial 3D Flow Characteristics Using a Remote-Controlled ADCP System: Monitoring a Spring Flood. Water (Switzerland), 2015, 7, 217-247.	2.7	24
28	Reciprocal Estimation of Pedestrian Location and Motion State toward a Smartphone Geo-Context Computing Solution. Micromachines, 2015, 6, 699-717.	2.9	7
29	Comparison of Laser and Stereo Optical, SAR and InSAR Point Clouds from Air- and Space-Borne Sources in the Retrieval of Forest Inventory Attributes. Remote Sensing, 2015, 7, 15933-15954.	4.0	100
30	Gravel transport by ice in a subarctic river from accurate laser scanning. Geomorphology, 2015, 246, 113-122.	2.6	28
31	Forest Data Collection Using Terrestrial Image-Based Point Clouds From a Handheld Camera Compared to Terrestrial and Personal Laser Scanning. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5117-5132.	6.3	90
32	The Use of a Hand-Held Camera for Individual Tree 3D Mapping in Forest Sample Plots. Remote Sensing, 2014, 6, 6587-6603.	4.0	84
33	Possibilities of a Personal Laser Scanning System for Forest Mapping and Ecosystem Services. Sensors, 2014, 14, 1228-1248.	3.8	88
34	3D Modeling of Coarse Fluvial Sediments Based on Mobile Laser Scanning Data. Remote Sensing, 2013, 5, 4571-4592.	4.0	25
35	Comparative testing of single-tree detection algorithms under different types of forest. Forestry, 2012, 85, 27-40.	2.3	280
36	A Lidar Point Cloud Based Procedure for Vertical Canopy Structure Analysis And 3D Single Tree Modelling in Forest. Sensors, 2008, 8, 3938-3951.	3.8	154