Juha M HyyppÃ¤

List of Publications by Year
in descending order

316 papers	16,291 citations	10956 71 h-index	22102 113 g-index
324 all docs	324 docs citations	324 times ranked	8622 citing authors

#	Article	IF	Citations
1	A heterogeneous 3D map-based place recognition solution using virtual LiDAR and a polar grid height coding image descriptor. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 183, 1-18.	4.9	8
2	Pavement distress detection using terrestrial laser scanning point clouds â€“ Accuracy evaluation and algorithm comparison. ISPRS Open Journal of Photogrammetry and Remote Sensing, 2022, 3, 100010.	1.3	15
3	Semantic segmentation of point cloud data using raw laser scanner measurements and deep neural networks. ISPRS Open Journal of Photogrammetry and Remote Sensing, 2022, 3, 100011.	1.3	9
4	Assessing the Dependencies of Scots Pine (Pinus sylvestris L.) Structural Characteristics and Internal Wood Property Variation. Forests, 2022, 13, 397.	0.9	2
5	Multispectral Imagery Provides Benefits for Mapping Spruce Tree Decline Due to Bark Beetle Infestation When Acquired Late in the Season. Remote Sensing, 2022, 14, 909.	1.8	15
6	Effects of Stem Density on Crown Architecture of Scots Pine Trees. Frontiers in Plant Science, 2022, 13, 817792.	1.7	6
7	Direct and automatic measurements of stem curve and volume using a high-resolution airborne laser scanning system. Science of Remote Sensing, 2022, 5, 100050.	2.2	8
8	Preliminary verification of hyperspectral LiDAR covering VIS-NIR-SWIR used for objects classification. European Journal of Remote Sensing, 2022, 55, 291-303.	1.7	6
9	Forest Data to Insights and Experiences Using Gamification. Frontiers in Forests and Global Change, 2022, 5, .	1.0	0
10	Leveraging Road Area Semantic Segmentation withÂAuxiliary Steering Task. Lecture Notes in Computer Science, 2022, , 727-738.	1.0	0
11	A LiDAR-based single-shot global localization solution using a cross-section shape context descriptor. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 189, 272-288.	4.9	13
12	Multimodal End-to-End Learning for Autonomous Steering in Adverse Road and Weather Conditions. , 2021, , .		7
13	Feasibility of Mobile Laser Scanning towards Operational Accurate Road Rut Depth Measurements. Sensors, 2021, 21, 1180.	2.1	12
14	Seamless integration of above- and under-canopy unmanned aerial vehicle laser scanning for forest investigation. Forest Ecosystems, 2021, 8, .	1.3	18
15	Near Real-Time Semantic View Analysis of 3D City Models in Web Browser. ISPRS International Journal of Geo-Information, 2021, 10, 138.	1.4	16
16	Analysis and Radiometric Calibration for Backscatter Intensity of Hyperspectral LiDAR Caused by Incident Angle Effect. Sensors, 2021, 21, 2960.	2.1	8
17	The Penetration Analysis of Airborne Ku-Band Radar Versus Satellite Infrared Lidar Based on the Height and Energy Percentiles in the Boreal Forest. Remote Sensing, 2021, 13, 1650.	1.8	0
18	Utilizing a Terrestrial Laser Scanner for 3D Luminance Measurement of Indoor Environments. Journal of Imaging, 2021, 7, 85.	1.7	2

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19	Revealing Changes in the Stem Form and Volume Allocation in Diverse Boreal Forests Using Two-Date Terrestrial Laser Scanning. Forests, 2021, 12, 835.	0.9	9
20	Hyperspectral LiDAR-Based Plant Spectral Profiles Acquisition: Performance Assessment and Results Analysis. Remote Sensing, 2021, 13, 2521.	1.8	2
21	Under-Canopy UAV Laser Scanning Providing Canopy Height and Stem Volume Accurately. Forests, 2021, 12, 856.	0.9	9
22	Using Microwave Profile Radar to Estimate Forest Canopy Leaf Area Index: Linking 3D Radiative Transfer Model and Forest Gap Model. Remote Sensing, 2021, 13, 297.	1.8	2
23	Efficient coarse registration method using translation- and rotation-invariant local descriptors towards fully automated forest inventory. ISPRS Open Journal of Photogrammetry and Remote Sensing, 2021, 2, 100007.	1.3	7
24	Review on Active and Passive Remote Sensing Techniques for Road Extraction. Remote Sensing, 2021, 13, 4235.	1.8	18
25	Interest point detection from multiâ€beam light detection and ranging point cloud using unsupervised convolutional neural network. IET Image Processing, 2021, 15, 369-377.	1.4	3
26	Performance Assessment of Reference Modelling Methods for Defect Evaluation in Asphalt Concrete. Sensors, 2021, 21, 8190.	2.1	1
27	A 91-Channel Hyperspectral LiDAR for Coal/Rock Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1052-1056.	1.4	23
28	A Novel Calibration Method between a Camera and a 3D LiDAR with Infrared Images. , 2020, , .		10
29	Performance of terrestrial laser scanning to characterize managed Scots pine (Pinus sylvestris L.) stands is dependent on forest structural variation. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 168, 277-287.	4.9	16
30	Assessing the effects of thinning on stem growth allocation of individual Scots pine trees. Forest Ecology and Management, 2020, 474, 118344.	1.4	33
31	Comparing features of single and multi-photon lidar in boreal forests. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 168, 268-276.	4.9	23
32	A practical method for employing multi-spectral LiDAR intensities in points cloud classification. International Journal of Remote Sensing, 2020, 41, 8366-8379.	1.3	2
33	Structural Changes in Boreal Forests Can Be Quantified Using Terrestrial Laser Scanning. Remote Sensing, 2020, 12, 2672.	1.8	16
34	The Determination of Effective Beamwidth of Ku Band Profiling Radar Based on Waveform Matching Method in the Boreal Forest of Finland. Remote Sensing, 2020, 12, 2710.	1.8	1
35	Evaluating the Quality of TLS Point Cloud Colorization. Remote Sensing, 2020, 12, 2748.	1.8	14
36	A practical method utilizing multi-spectral LiDAR to aid points cloud matching in SLAM. Satellite Navigation, 2020, 1, .	4.6	9

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37	Comparison of Backpack, Handheld, Under-Canopy UAV, and Above-Canopy UAV Laser Scanning for Field Reference Data Collection in Boreal Forests. Remote Sensing, 2020, 12, 3327.	1.8	70
38	Using Leaf-Off and Leaf-On Multispectral Airborne Laser Scanning Data to Characterize Seedling Stands. Remote Sensing, 2020, 12, 3328.	1.8	9
39	Lidar-aided analysis of boreal forest backscatter at Ku band. International Journal of Applied Earth Observation and Geoinformation, 2020, 91, 102133.	1.4	3
40	Multisensorial Close-Range Sensing Generates Benefits for Characterization of Managed Scots Pine (Pinus sylvestris L.) Stands. ISPRS International Journal of Geo-Information, 2020, 9, 309.	1.4	17
41	Simulation of Ku-Band Profile Radar Waveform by Extending Radiosity Applicable to Porous Individual Objects (RAPID2) Model. Remote Sensing, 2020, 12, 684.	1.8	4
42	An Investigation of Spectral Band Selection for Hyperspectral LiDAR Technique. Electronics (Switzerland), 2020, 9, 148.	1.8	1
43	Feasibility Study on Hyperspectral LiDAR for Ancient Huizhou-Style Architecture Preservation. Remote Sensing, 2020, 12, 88.	1.8	17
44	Accurate derivation of stem curve and volume using backpack mobile laser scanning. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 246-262.	4.9	77
45	Analyzing the Angle Effect of Leaf Reflectance Measured by Indoor Hyperspectral Light Detection and Ranging (LiDAR). Remote Sensing, 2020, 12, 919.	1.8	15
46	Registration of large-scale terrestrial laser scanner point clouds: A review and benchmark. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 327-342.	4.9	220
47	Interactive dense point clouds in a game engine. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 375-389.	4.9	23
48	Under-canopy UAV laser scanning for accurate forest field measurements. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 164, 41-60.	4.9	83
49	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.	1.7	28
50	Combining single photon and multispectral airborne laser scanning for land cover classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 164, 200-216.	4.9	16
51	The potential of dual-wavelength terrestrial lidar in early detection of Ips typographus (L.) infestation â€“ Leaf water content as a proxy. Remote Sensing of Environment, 2019, 231, 111264.	4.6	32
52	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.	4.6	53
53	Investigating the Feasibility of Multi-Scan Terrestrial Laser Scanning to Characterize Tree Communities in Southern Boreal Forests. Remote Sensing, 2019, 11, 1423.	1.8	27
54	Variability of wood properties using airborne and terrestrial laser scanning. Remote Sensing of Environment, 2019, 235, 111474.	4.6	31

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55	Characterizing ecosystem phenological diversity and its macroecology with snow cover phenology. Scientific Reports, 2019, 9, 15074.	1.6	4
56	Multisource Point Clouds, Point Simplification and Surface Reconstruction. Remote Sensing, 2019, 11, 2659.	1.8	17
57	Assessing the Effects of Sample Size on Parametrizing a Taper Curve Equation and the Resultant Stem-Volume Estimates. Forests, 2019, 10, 848.	0.9	11
58	Study of a High Spectral Resolution Hyperspectral LiDAR in Vegetation Red Edge Parameters Extraction. Remote Sensing, 2019, 11, 2007.	1.8	20
59	Effect of canopy structure on the performance of tree mapping methods in urban parks. Urban Forestry and Urban Greening, 2019, 44, 126441.	2.3	5
60	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.	4.9	179
61	Comparison of two-dimensional multitemporal Sentinel-2 data with three-dimensional remote sensing data sources for forest inventory parameter estimation over a boreal forest. International Journal of Applied Earth Observation and Geoinformation, 2019, 76, 167-178.	1.4	57
62	Examining Changes in Stem Taper and Volume Growth with Two-Date 3D Point Clouds. Forests, 2019, 10, 382.	0.9	24
63	Characterizing Seedling Stands Using Leaf-Off and Leaf-On Photogrammetric Point Clouds and Hyperspectral Imagery Acquired from Unmanned Aerial Vehicle. Forests, 2019, 10, 415.	0.9	33
64	Automated Multi-Sensor 3D Reconstruction for the Web. ISPRS International Journal of Geo-Information, 2019, 8, 221.	1.4	18
65	Power line mapping technique using all-terrain mobile laser scanning. Automation in Construction, 2019, 105, 102802.	4.8	24
66	Semantic segmentation of road furniture in mobile laser scanning data. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 154, 98-113.	4.9	29
67	Assessing spectral measures of post-harvest forest recovery with field plot data. International Journal of Applied Earth Observation and Geoinformation, 2019, 80, 102-114.	1.4	15
68	A 10-nm Spectral Resolution Hyperspectral LiDAR System Based on an Acousto-Optic Tunable Filter. Sensors, 2019, 19, 1620.	2.1	46
69	Detecting and characterizing downed dead wood using terrestrial laser scanning. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 76-90.	4.9	24
70	Airborne Wind Vector Scatterometer for Sea Surface Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2470-2476.	2.3	3
71	Preregistration Classification of Mobile LIDAR Data Using Spatial Correlations. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6900-6915.	2.7	4
72	Predicting Forest Inventory Attributes Using Airborne Laser Scanning, Aerial Imagery, and Harvester Data. Remote Sensing, 2019, 11, 797.	1.8	24

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73	Assessing log geometry and wood quality in standing timber using terrestrial laser-scanning point clouds. Forestry, 2019, 92, 177-187.	1.2	15
74	TanDEM-X digital surface models in boreal forest above-ground biomass change detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 148, 174-183.	4.9	14
75	Improving distribution models of riparian vegetation with mobile laser scanning and hydraulic modelling. PLoS ONE, 2019, 14, e0225936.	1.1	2
76	The effect of seasonal variation on automated land cover mapping from multispectral airborne laser scanning data. International Journal of Remote Sensing, 2019, 40, 3289-3307.	1.3	7
77	A Liquid Crystal Tunable Filter-Based Hyperspectral LiDAR System and Its Application on Vegetation Red Edge Detection. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 291-295.	1.4	25
78	Toward utilizing multitemporal multispectral airborne laser scanning, Sentinel-2, and mobile laser scanning in map updating. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	8
79	Estimating Ground Level and Canopy Top Elevation With Airborne Microwave Profiling Radar. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2283-2294.	2.7	9
80	Depth camera indoor mapping for 3D virtual radio play. Photogrammetric Record, 2018, 33, 171-195.	0.4	15
81	Comparison of terrestrial laser scanning and X-ray scanning in measuring Scots pine (<i>Pinus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	20
82	GPS Time Series Analysis from Aboa the Finnish Antarctic Research Station. Remote Sensing, 2018, 10, 1937.	1.8	10
83	Extrinsic Calibration of 2D Laser Rangefinders Using an Existing Cuboid-Shaped Corridor as the Reference. Sensors, 2018, 18, 4371.	2.1	12
84	Fully Polarimetric Airborne Wind Vector Scatterometer to Support Space-Borne Gnss-R Measurements. , 2018, , .		0
85	Assessing branching structure for biomass and wood quality estimation using terrestrial laser scanning point clouds. Canadian Journal of Remote Sensing, 2018, 44, 462-475.	1.1	24
86	Automated large scale indoor reconstruction using vehicle survey data. , 2018, , .		2
87	SLAM Based Indoor Mapping Comparison:Mobile or Terrestrial ?. , 2018, , .		3
88	Extrinsic Calibration of 2D Laser Rangefinders Using Indoor Geometric Constraints. , 2018, , .		1
89	A Hyperspectral LiDAR with Eight Channels Covering from VIS to SWIR. , 2018, , .		6
90	The Accuracy Comparison of Three Simultaneous Localization and Mapping (SLAM)-Based Indoor Mapping Technologies. Sensors, 2018, 18, 3228.	2.1	68

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91	Estimation of Canopy Height Using an Airborne Ku-Band Frequency-Modulated Continuous Waveform Profiling Radar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3590-3597.	2.3	4
92	The Comparison of Canopy Height Profiles Extracted from Ku-band Profile Radar Waveforms and LiDAR Data. Remote Sensing, 2018, 10, 701.	1.8	5
93	Extrinsic Calibration of 2D Laser Rangefinders Based on a Mobile Sphere. Remote Sensing, 2018, 10, 1176.	1.8	17
94	Assessing Biodiversity in Boreal Forests with UAV-Based Photogrammetric Point Clouds and Hyperspectral Imaging. Remote Sensing, 2018, 10, 338.	1.8	61
95	Topographical change caused by moderate and small floods in a gravel bed ephemeral river â€“ a depth-averaged morphodynamic simulation approach. Earth Surface Dynamics, 2018, 6, 163-185.	1.0	18
96	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.	4.9	78
97	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.	2.3	33
98	Feasibility Study of Ore Classification Using Active Hyperspectral LiDAR. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1785-1789.	1.4	38
99	International benchmarking of terrestrial laser scanning approaches for forest inventories. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 144, 137-179.	4.9	254
100	Can Leaf Water Content Be Estimated Using Multispectral Terrestrial Laser Scanning? A Case Study With Norway Spruce Seedlings. Frontiers in Plant Science, 2018, 9, 299.	1.7	24
101	Characterizing 3D City Modeling Projects: Towards a Harmonized Interoperable System. ISPRS International Journal of Geo-Information, 2018, 7, 55.	1.4	41
102	Aboveground forest biomass derived using multiple dates of WorldView-2 stereo-imagery: quantifying the improvement in estimation accuracy. International Journal of Remote Sensing, 2018, 39, 8766-8783.	1.3	15
103	Confirmation of post-harvest spectral recovery from Landsat time series using measures of forest cover and height derived from airborne laser scanning data. Remote Sensing of Environment, 2018, 216, 262-275.	4.6	60
104	Feasibility of Google Tango and Kinect for Crowdsourcing Forestry Information. Forests, 2018, 9, 6.	0.9	53
105	Landsat archive holdings for Finland: opportunities for forest monitoring. Silva Fennica, 2018, 52, .	0.5	10
106	Mobile mapping of night-time road environment lighting conditions. The Photogrammetric Journal of Finland, 2018, 26, 1-17.	0.5	7
107	Browser based 3D for the built environment. Nordic Journal of Surveying and Real Estate Research, 2018, 13, 54-76.	0.8	5
108	Feasibility of Multispectral Airborne Laser Scanning Data for Road Mapping. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 294-298.	1.4	31

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109	Object-based analysis of multispectral airborne laser scanner data for land cover classification and map updating. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 128, 298-313.	4.9	101
110	Possibility of Applying SLAM-Aided LiDAR in Deep Space Exploration. Springer Proceedings in Physics, 2017, , 239-248.	0.1	5
111	Temporal and spatial variations of global ionospheric total electron content under various solar conditions. Journal of Geodesy, 2017, 91, 485-502.	1.6	8
112	Feasibility of Terrestrial laser scanning for collecting stem volume information from single trees. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 123, 140-158.	4.9	105
113	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.	1.4	43
114	An overview of the laser ranging method of space laser altimeter. Infrared Physics and Technology, 2017, 86, 147-158.	1.3	24
115	Graph SLAM correction for single scanner MLS forest data under boreal forest canopy. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 132, 199-209.	4.9	75
116	<scp>Arctic Mackenzie Delta</scp> channel planform evolution during 1983â€“2013 utilising <scp>Landsat</scp> data and hydrological time series. Hydrological Processes, 2017, 31, 3979-3995.	1.1	10
117	A Novel GNSS Technique for Predicting Boreal Forest Attributes at Low Cost. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4855-4867.	2.7	12
118	Errors in the Short-Term Forest Resource Information Update. Lecture Notes in Geoinformation and Cartography, 2017, , 155-166.	0.5	2
119	Outlook for the Single-Tree-Level Forest Inventory in Nordic Countries. Lecture Notes in Geoinformation and Cartography, 2017, , 183-195.	0.5	8
120	An Integrated GNSS/INS/LiDAR-SLAM Positioning Method for Highly Accurate Forest Stem Mapping. Remote Sensing, 2017, 9, 3.	1.8	100
121	Single-Sensor Solution to Tree Species Classiï¬cation Using Multispectral Airborne Laser Scanning. Remote Sensing, 2017, 9, 108.	1.8	95
122	Comparison of the Selected State-Of-The-Art 3D Indoor Scanning and Point Cloud Generation Methods. Remote Sensing, 2017, 9, 796.	1.8	141
123	Measuring Leaf Water Content with Dual-Wavelength Intensity Data from Terrestrial Laser Scanners. Remote Sensing, 2017, 9, 8.	1.8	30
124	UAV-Borne Profiling Radar for Forest Research. Remote Sensing, 2017, 9, 58.	1.8	19
125	Autonomous Collection of Forest Field Referenceâ€”The Outlook and a First Step with UAV Laser Scanning. Remote Sensing, 2017, 9, 785.	1.8	85
126	An Analysis of Ku-Band Profiling Radar Observations of Boreal Forest. Remote Sensing, 2017, 9, 1252.	1.8	4

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127	Assessing Precision in Conventional Field Measurements of Individual Tree Attributes. Forests, 2017, 8, 38.	0.9	80
128	Feasibility Study of Using Mobile Laser Scanning Point Cloud Data for GNSS Line of Sight Analysis. Mobile Information Systems, 2017, 2017, 1-11.	0.4	5
129	Individual Tree Detection and Classification with UAV-Based Photogrammetric Point Clouds and Hyperspectral Imaging. Remote Sensing, 2017, 9, 185.	1.8	307
130	Nationwide Point Cloudâ€"The Future Topographic Core Data. ISPRS International Journal of Geo-Information, 2017, 6, 243.	1.4	14
131	Camera preparation and performance for 3D luminance mapping of road environments. The Photogrammetric Journal of Finland, 2017, 25, 1-23.	0.5	8
132	Evaluating the Performance of High-Altitude Aerial Image-Based Digital Surface Models in Detecting Individual Tree Crowns in Mature Boreal Forests. Forests, 2016, 7, 143.	0.9	21
133	An Algorithm for Automatic Road Asphalt Edge Delineation from Mobile Laser Scanner Data Using the Line Clouds Concept. Remote Sensing, 2016, 8, 740.	1.8	29
134	Comparison of Tree Species Classifications at the Individual Tree Level by Combining ALS Data and RGB Images Using Different Algorithms. Remote Sensing, 2016, 8, 1034.	1.8	34
135	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.	2.7	129
136	Mobile laser scanning based 3D technology for mineral environment modeling and positioning. , 2016, , .		3
137	Effects of positional errors in model-assisted and model-based estimation of growing stock volume. Remote Sensing of Environment, 2016, 172, 101-108.	4.6	24
138	Range calibration of airborne profiling radar used in forest inventory. , 2016, , .		5
139	Remote sensing methods for power line corridor surveys. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 10-31.	4.9	265
140	Can global navigation satellite system signals reveal the ecological attributes of forests?. International Journal of Applied Earth Observation and Geoinformation, 2016, 50, 74-79.	1.4	9
141	Scan matching technology for forest navigation with map information. , 2016, , .		5
142	Terrestrial laser scanning in forest inventories. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 115, 63-77.	4.9	511
143	The effect of TLS point cloud sampling on tree detection and diameter measurement accuracy. Remote Sensing Letters, 2016, 7, 495-502.	0.6	27
144	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.	1.4	45

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145	Forest stand age classification using time series of photogrammetrically derived digital surface models. Scandinavian Journal of Forest Research, 2016, 31, 194-205.	0.5	24
146	Using multi-source data to map and model the predisposition of forests to wind disturbance. Scandinavian Journal of Forest Research, 2016, 31, 66-79.	0.5	12
147	Object Classification and Recognition From Mobile Laser Scanning Point Clouds in a Road Environment. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1226-1239.	2.7	93
148	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.	1.1	40
149	Intelligent Open Data 3D Maps in a Collaborative Virtual World. ISPRS International Journal of Geo-Information, 2015, 4, 837-857.	1.4	27
150	Evaluation of a Smartphone App for Forest Sample Plot Measurements. Forests, 2015, 6, 1179-1194.	0.9	29
151	Sparse Density, Leaf-Off Airborne Laser Scanning Data in Aboveground Biomass Component Prediction. Forests, 2015, 6, 1839-1857.	0.9	16
152	Reciprocal Estimation of Pedestrian Location and Motion State toward a Smartphone Geo-Context Computing Solution. Micromachines, 2015, 6, 699-717.	1.4	7
153	Automated 3D Scene Reconstruction from Open Geospatial Data Sources: Airborne Laser Scanning and a 2D Topographic Database. Remote Sensing, 2015, 7, 6710-6740.	1.8	20
154	Luminance-Corrected 3D Point Clouds for Road and Street Environments. Remote Sensing, 2015, 7, 11389-11402.	1.8	24
155	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.	1.8	100
156	LiDAR Scan Matching Aided Inertial Navigation System in GNSS-Denied Environments. Sensors, 2015, 15, 16710-16728.	2.1	99
157	SLAM-Aided Stem Mapping for Forest Inventory with Small-Footprint Mobile LiDAR. Forests, 2015, 6, 4588-4606.	0.9	72
158	Accuracy of Kinematic Positioning Using Global Satellite Navigation Systems under Forest Canopies. Forests, 2015, 6, 3218-3236.	0.9	95
159	Sub-bend scale flowâ€“sediment interaction of meander bends â€” A combined approach of field observations, close-range remote sensing and computational modelling. Geomorphology, 2015, 238, 119-134.	1.1	46
160	Model-assisted estimation of growing stock volume using different combinations of LiDAR and Landsat data as auxiliary information. Remote Sensing of Environment, 2015, 158, 431-440.	4.6	80
161	Gravel transport by ice in a subarctic river from accurate laser scanning. Geomorphology, 2015, 246, 113-122.	1.1	28
162	Fast Fingerprint Database Maintenance for Indoor Positioning Based on UGV SLAM. Sensors, 2015, 15, 5311-5330.	2.1	41

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163	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.	2.7	90
164	Effects of sample size and model form on the accuracy of model-based estimators of growing stock volume. Canadian Journal of Forest Research, 2015, 45, 1524-1534.	0.8	33
165	Allocating tree crown pruning with ALS-data - A case study in the city of Helsinki. , 2015, , .		0
166	Diameter distribution estimation with laser scanning based multisource single tree inventory. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 161-171.	4.9	59
167	Long-Term Prediction of the Arctic Ionospheric TEC Based on Time-Varying Periodograms. PLoS ONE, 2014, 9, e111497.	1.1	10
168	Rapid Prototyping â€" A Tool for Presenting 3-Dimensional Digital Models Produced by Terrestrial Laser Scanning. ISPRS International Journal of Geo-Information, 2014, 3, 871-890.	1.4	11
169	Assessment of Low Density Full-Waveform Airborne Laser Scanning for Individual Tree Detection and Tree Species Classification. Forests, 2014, 5, 1011-1031.	0.9	46
170	Urban-Tree-Attribute Update Using Multisource Single-Tree Inventory. Forests, 2014, 5, 1032-1052.	0.9	35
171	Outlook for the Next Generationâ€™s Precision Forestry in Finland. Forests, 2014, 5, 1682-1694.	0.9	133
172	Estimation of the Timber Quality of Scots Pine with Terrestrial Laser Scanning. Forests, 2014, 5, 1879-1895.	0.9	40
173	Prediction of Forest Stand Attributes Using TerraSAR-X Stereo Imagery. Remote Sensing, 2014, 6, 3227-3246.	1.8	21
174	Multisource Single-Tree Inventory in the Prediction of Tree Quality Variables and Logging Recoveries. Remote Sensing, 2014, 6, 3475-3491.	1.8	33
175	Nationwide Digital Terrain Models for Topographic Depression Modelling in Detection of Flood Detention Areas. Water (Switzerland), 2014, 6, 271-300.	1.2	4
176	The Use of a Hand-Held Camera for Individual Tree 3D Mapping in Forest Sample Plots. Remote Sensing, 2014, 6, 6587-6603.	1.8	84
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