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A Review of LIDAR Radiometric Processing: From Ad Hoc Intensity Correction to Rigorous Radiometric Calibration

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#	Paper	IF	Citations
196	A review of marine geomorphometry, the quantitative study of the seafloor. 2016 , 20, 3207-3244		115
195	Radiometric Calibration of a Dual-Wavelength, Full-Waveform Terrestrial Lidar. <i>Sensors</i> , 2016 , 16, 313	3.8	13
194	Correction of Incidence Angle and Distance Effects on TLS Intensity Data Based on Reference Targets. <i>Remote Sensing</i> , 2016 , 8, 251	5	43
193	Capability Assessment and Performance Metrics for the Titan Multispectral Mapping Lidar. <i>Remote Sensing</i> , 2016 , 8, 936	5	83
192	Scan Line Based Road Marking Extraction from Mobile LiDAR Point Clouds. Sensors, 2016, 16,	3.8	49
191	Modeling hemispherical reflectance for natural surfaces based on terrestrial laser scanning backscattered intensity data. <i>Optics Express</i> , 2016 , 24, 22971-22988	3.3	9
190	Invasive Shrub Mapping in an Urban Environment from Hyperspectral and LiDAR-Derived Attributes. 2016 , 7, 1528		24
189	Surface reflectance retrieval from the intensity data of a terrestrial laser scanner. 2016 , 33, 771-8		9
188	Correction of Mobile TLS Intensity Data for Water Leakage Spots Detection in Metro Tunnels. 2016 , 13, 1711-1715		30
187	Efficient terrestrial laser scan segmentation exploiting data structure. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016 , 119, 135-150	11.8	12
186	Assessment of lidargrammetry for spatial data extraction. 2016,		1
185	Mobile Lidar Guidelines to Support Utility Asset Management along Highways. 2016,		2
184	LITE Flood: Simple GIS-Based Mapping Approach for Real-Time Redelineation of Multifrequency Floods. 2017 , 18, 04017004		6
183	Evaluation of the Range Accuracy and the Radiometric Calibration of Multiple Terrestrial Laser Scanning Instruments for Data Interoperability. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 2716-2724	8.1	39
182	Hyperspectral and Lidar Intensity Data Fusion: A Framework for the Rigorous Correction of Illumination, Anisotropic Effects, and Cross Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 2799-2810	8.1	30
181	Review of Earth science research using terrestrial laser scanning. 2017, 169, 35-68		115
180	Fast ground filtering for TLS data via Scanline Density Analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017 , 129, 226-240	11.8	23

(2018-2017)

179	Automated extraction of road features using LiDAR data: A review of LiDAR applications in transportation. 2017 ,		11
178	Long-range terrestrial laser scanning for geomorphological change detection in alpine terrain I handling uncertainties. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 789-802	3.7	39
177	Specular Reflection Effects Elimination in Terrestrial Laser Scanning Intensity Data Using Phong Model. <i>Remote Sensing</i> , 2017 , 9, 853	5	22
176	Towards High-Definition 3D Urban Mapping: Road Feature-Based Registration of Mobile Mapping Systems and Aerial Imagery. <i>Remote Sensing</i> , 2017 , 9, 975	5	32
175	Terrestrial Laser Scanning Intensity Correction by Piecewise Fitting and Overlap-Driven Adjustment. <i>Remote Sensing</i> , 2017 , 9, 1090	5	27
174	A New Recursive Filtering Method of Terrestrial Laser Scanning Data to Preserve Ground Surface Information in Steep-Slope Areas. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 359	2.9	6
173	Improved Range Estimation Model for Three-Dimensional (3D) Range Gated Reconstruction. <i>Sensors</i> , 2017 , 17,	3.8	8
172	Real-Time Depth From Focus on a Programmable Focal Plane Processor. 2018 , 65, 925-934		7
171	Rural Road Surface Extraction Using Mobile LiDAR Point Cloud Data. 2018 , 46, 531-538		15
170	Ground-Edge-Based LIDAR Localization Without a Reflectivity Calibration for Autonomous Driving. 2018 , 3, 344-351		16
169	Multi-scan segmentation of terrestrial laser scanning data based on normal variation analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 143, 233-248	11.8	31
168	Effect of target color and scanning geometry on terrestrial LiDAR point-cloud noise and plane fitting. 2018 , 12, 109-127		25
167	Revealing recent calving activity of a tidewater glacier with terrestrial LiDAR reflection intensity. 2018 , 151, 288-301		7
166	Comparison of Different Feature Sets for TLS Point Cloud Classification. Sensors, 2018, 18,	3.8	10
165	BirdNet: A 3D Object Detection Framework from LiDAR Information. 2018,		87
164	Investigation of TLS Intensity Data and Distance Measurement Errors from Target Specular Reflections. <i>Remote Sensing</i> , 2018 , 10, 1077	5	17
163	Forensic Archaeology: Integrating Archaeology with Criminalistics and Criminology. <i>Soil Forensics</i> , 2018 , 1-16		1
162	A Benchmark for Lidar Sensors in Fog: Is Detection Breaking Down?. 2018,		42

161	Learning a Bias Correction for Lidar-Only Motion Estimation. 2018,		12
160	Error analysis of laser scanner for robust autonomous navigation of mobile robot in diverse illumination environment. 2018 , 15, 626-632		6
159	Airborne and Terrestrial Laser Scanning Data for the Assessment of Standing and Lying Deadwood: Current Situation and New Perspectives. <i>Remote Sensing</i> , 2018 , 10, 1356	5	24
158	Analyzing the role of pulse density and voxelization parameters on full-waveform LiDAR-derived metrics. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 146, 453-464	11.8	9
157	Multitemporal LiDAR improves estimates of fire severity in forested landscapes. 2018 , 27, 581		14
156	Detection of Water Leakage in Underground Tunnels Using Corrected Intensity Data and 3D Point Cloud of Terrestrial Laser Scanning. <i>IEEE Access</i> , 2018 , 6, 32471-32480	3.5	19
155	Airborne LiDAR intensity banding: Cause and solution. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 142, 301-310	11.8	7
154	Spherical target-based calibration of terrestrial laser scanner intensity. Application to colour information computation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 144, 14-27	11.8	6
153	Radiometric Evaluation of an Airborne Single Photon Lidar Sensor. 2018 , 15, 1466-1470		9
152	Multi-Spectral Lidar: Radiometric Calibration, Canopy Spectral Reflectance, and Vegetation Vertical SVI Profiles. <i>Remote Sensing</i> , 2019 , 11, 1556	5	13
151	Comparable short-term morphodynamics of three estuarineBoastal systems in the southwest coastal region of England, UK. 2019 , 31, 100749		
150	Hierarchical Classification of Urban ALS Data by Using Geometry and Intensity Information. <i>Sensors</i> , 2019 , 19,	3.8	5
149	Review of Laser Scanning Technologies and Their Applications for Road and Railway Infrastructure Monitoring. 2019 , 4, 58		31
148	Identification of Linear Vegetation Elements in a Rural Landscape Using LiDAR Point Clouds. <i>Remote Sensing</i> , 2019 , 11, 292	5	14
147	Scaling lidar-derived rainforest canopy metrics across a Mesoamerican landscape. <i>International Journal of Remote Sensing</i> , 2019 , 40, 9181-9207	3.1	4
146	Forest Site and Type Variability in ALS-Based Forest Resource Inventory Attribute Predictions over Three Ontario Forest Sites. <i>Forests</i> , 2019 , 10, 226	2.8	10
145	An Efficient Framework for Mobile Lidar Trajectory Reconstruction and Mo-norvana Segmentation. <i>Remote Sensing</i> , 2019 , 11, 836	5	12
144	Road grade estimates for bicycle travel analysis on a street network. 2019 , 104, 158-171		2

143	Computational Mapping of the Ground Reflectivity With Laser Scanners. 2019, 28, 4288-4298		O
142	Evaluation of Sampling and Cross-Validation Tuning Strategies for Regional-Scale Machine Learning Classification. <i>Remote Sensing</i> , 2019 , 11, 185	5	68
141	Intensity Data Correction for Long-Range Terrestrial Laser Scanners: A Case Study of Target Differentiation in an Intertidal Zone. <i>Remote Sensing</i> , 2019 , 11, 331	5	7
140	Terrestrial laser scanner intensity correction for the incidence angle effect on surfaces with different colours and sheens. <i>International Journal of Remote Sensing</i> , 2019 , 40, 7169-7189	3.1	8
139	Full-Waveform LiDAR Fast Analysis of a Moderately Turbid Bay in Western France. <i>Remote Sensing</i> , 2019 , 11, 117	5	8
138	A computational workflow to analyse material properties and solar radiation of existing contexts from attribute information of point cloud data. 2019 , 155, 268-282		9
137	Object Recognition, Segmentation, and Classification of Mobile Laser Scanning Point Clouds: A State of the Art Review. <i>Sensors</i> , 2019 , 19,	3.8	96
136	3D hyperspectral point cloud generation: Fusing airborne laser scanning and hyperspectral imaging sensors for improved object-based information extraction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 149, 200-214	11.8	14
135	Combining Ikonos and Bathymetric LiDAR Data to Improve Reef Habitat Mapping in the Florida Keys. 2019 , 5, 256-271		2
134	Intensity Calibration of a MCT-APD Sensor for a Flash Lidar System. 2019 ,		1
134	Intensity Calibration of a MCT-APD Sensor for a Flash Lidar System. 2019, Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. <i>Remote Sensing</i> , 2019, 11, 2614	5	8
	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a	5 2.9	
133	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. <i>Remote Sensing</i> , 2019 , 11, 2614 Non-Temporal Point Cloud Analysis for Surface Damage in Civil Structures. <i>ISPRS International</i>		8
133	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. <i>Remote Sensing</i> , 2019 , 11, 2614 Non-Temporal Point Cloud Analysis for Surface Damage in Civil Structures. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 527 Classification methods for point clouds in rock slope monitoring: A novel machine learning		8 13 28
133 132 131	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. <i>Remote Sensing</i> , 2019 , 11, 2614 Non-Temporal Point Cloud Analysis for Surface Damage in Civil Structures. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 527 Classification methods for point clouds in rock slope monitoring: A novel machine learning approach and comparative analysis. 2019 , 263, 105326 Deep learning for conifer/deciduous classification of airborne LiDAR 3D point clouds representing	2.9	8 13 28
133 132 131	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. <i>Remote Sensing</i> , 2019 , 11, 2614 Non-Temporal Point Cloud Analysis for Surface Damage in Civil Structures. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 527 Classification methods for point clouds in rock slope monitoring: A novel machine learning approach and comparative analysis. 2019 , 263, 105326 Deep learning for conifer/deciduous classification of airborne LiDAR 3D point clouds representing individual trees. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 158, 219-230 Mapping Seafloor Relative Reflectance and Assessing Coral Reef Morphology with EAARL-B	2.9	8 13 28 36
133 132 131 130	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. <i>Remote Sensing</i> , 2019 , 11, 2614 Non-Temporal Point Cloud Analysis for Surface Damage in Civil Structures. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 527 Classification methods for point clouds in rock slope monitoring: A novel machine learning approach and comparative analysis. 2019 , 263, 105326 Deep learning for conifer/deciduous classification of airborne LiDAR 3D point clouds representing individual trees. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 158, 219-230 Mapping Seafloor Relative Reflectance and Assessing Coral Reef Morphology with EAARL-B Topobathymetric Lidar Waveforms. 2019 , 1	2.9	8 13 28 36 5

125	Interactive Visualization of 3D Coordinate Uncertainties in Terrestrial Laser - Scanning Point Clouds Using OpenGL Shader Language. 2019 , 145, 04018012		4
124	Efficient and robust lane marking extraction from mobile lidar point clouds. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 147, 1-18	11.8	42
123	. IEEE Transactions on Geoscience and Remote Sensing, 2019 , 57, 3462-3471	8.1	30
122	Indoor Positioning System Based on PSD Sensor. 2019 , 353-370		3
121	Corn Seedling Monitoring Using 3-D Point Cloud Data From Terrestrial Laser Scanning and Registered Camera Data. 2020 , 17, 137-141		0
120	An intensity, image-based method to estimate gap fraction, canopy openness and effective leaf area index from phase-shift terrestrial laser scanning. 2020 , 280, 107766		14
119	Estimation of soil surface water contents for intertidal mudflats using a near-infrared long-range terrestrial laser scanner. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020 , 159, 129-139	11.8	12
118	Modeling Small-Footprint Airborne Lidar-Derived Estimates of Gap Probability and Leaf Area Index. <i>Remote Sensing</i> , 2020 , 12, 4	5	8
117	Transfer Learning in urban object classification: Online images to recognize point clouds. <i>Automation in Construction</i> , 2020 , 111, 103058	9.6	15
116	Radiometric Calibration of an Inexpensive LED-Based Lidar Sensor. <i>Sensors</i> , 2020 , 20,	3.8	
116	Radiometric Calibration of an Inexpensive LED-Based Lidar Sensor. <i>Sensors</i> , 2020 , 20, The benefits of very low earth orbit for earth observation missions. 2020 , 117, 100619	3.8	29
		3.8 5	29 7
115	The benefits of very low earth orbit for earth observation missions. 2020 , 117, 100619 Radiometric Calibration for Incidence Angle, Range and Sub-Footprint Effects on Hyperspectral		
115	The benefits of very low earth orbit for earth observation missions. 2020 , 117, 100619 Radiometric Calibration for Incidence Angle, Range and Sub-Footprint Effects on Hyperspectral LiDAR Backscatter Intensity. <i>Remote Sensing</i> , 2020 , 12, 2855 Apple Shape Detection Based on Geometric and Radiometric Features Using a LiDAR Laser Scanner.	5	7
115 114 113	The benefits of very low earth orbit for earth observation missions. 2020, 117, 100619 Radiometric Calibration for Incidence Angle, Range and Sub-Footprint Effects on Hyperspectral LiDAR Backscatter Intensity. <i>Remote Sensing</i> , 2020, 12, 2855 Apple Shape Detection Based on Geometric and Radiometric Features Using a LiDAR Laser Scanner. <i>Remote Sensing</i> , 2020, 12, 2481	5	7
115 114 113	The benefits of very low earth orbit for earth observation missions. 2020, 117, 100619 Radiometric Calibration for Incidence Angle, Range and Sub-Footprint Effects on Hyperspectral LiDAR Backscatter Intensity. <i>Remote Sensing</i> , 2020, 12, 2855 Apple Shape Detection Based on Geometric and Radiometric Features Using a LiDAR Laser Scanner. <i>Remote Sensing</i> , 2020, 12, 2481 Phenotypic techniques and applications in fruit trees: a review. 2020, 16, 107 Forest Inventory and Diversity Attribute Modelling Using Structural and Intensity Metrics from	5	7 16 16
115 114 113 112	The benefits of very low earth orbit for earth observation missions. 2020, 117, 100619 Radiometric Calibration for Incidence Angle, Range and Sub-Footprint Effects on Hyperspectral LiDAR Backscatter Intensity. Remote Sensing, 2020, 12, 2855 Apple Shape Detection Based on Geometric and Radiometric Features Using a LiDAR Laser Scanner. Remote Sensing, 2020, 12, 2481 Phenotypic techniques and applications in fruit trees: a review. 2020, 16, 107 Forest Inventory and Diversity Attribute Modelling Using Structural and Intensity Metrics from Multi-Spectral Airborne Laser Scanning Data. Remote Sensing, 2020, 12, 2109	5 5	7 16 16

(2020-2020)

107	Weather Classification Using an Automotive LIDAR Sensor Based on Detections on Asphalt and Atmosphere. <i>Sensors</i> , 2020 , 20,	3.8	5
106	LiDARsim: Realistic LiDAR Simulation by Leveraging the Real World. 2020,		30
105	Accurate Road Marking Detection from Noisy Point Clouds Acquired by Low-Cost Mobile LiDAR Systems. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 608	2.9	4
104	Forest Inventory with Long Range and High-Speed Personal Laser Scanning (PLS) and Simultaneous Localization and Mapping (SLAM) Technology. <i>Remote Sensing</i> , 2020 , 12, 1509	5	34
103	The Local Median Filtering Method for Correcting the Laser Return Intensity Information from Discrete Airborne Laser Scanning Data. <i>Remote Sensing</i> , 2020 , 12, 1681	5	
102	Optical Characterization of the Beams Generated by 3-D LiDARs: Proposed Procedure and Preliminary Results on MRS1000. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 7796	5 - 7 8 04	4
101	Fourier Coefficients Applied to Improve Backscattered Signals in A Short-Range LIDAR System. 2020 , 9, 390		1
100	Monitoring conifer cover: Leaf-off lidar and image-based tracking of eastern redcedar encroachment in central Nebraska. <i>Remote Sensing of Environment</i> , 2020 , 248, 111961	13.2	5
99	CLOI-NET: Class segmentation of industrial facilities[boint cloud datasets. 2020, 45, 101121		13
98	Comparison of the VLP-16 LiDAR system with an absolute interferometer. 2020 ,		2
97	Improved Detection of Inundation below the Forest Canopy using Normalized LiDAR Intensity Data. <i>Remote Sensing</i> , 2020 , 12, 707	5	9
96	Optimisation for large-scale photovoltaic arrays[placement based on Light Detection And Ranging data. <i>Applied Energy</i> , 2020 , 263, 114592	10.7	13
95	An integrated approach to subtractive solar envelopes based on attribute information from point cloud data. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 123, 109742	16.2	5
94	A Full-Waveform Airborne Laser Scanning Metric Extraction Tool for Forest Structure Modelling. Do Scan Angle and Radiometric Correction Matter?. <i>Remote Sensing</i> , 2020 , 12, 292	5	4
93	Compensation of Geometric Parameter Errors for Terrestrial Laser Scanner by Integrating Intensity Correction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 7483-7495	8.1	2
92	Efficient Coarse Registration of Pairwise TLS Point Clouds Using Ortho Projected Feature Images. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 255	2.9	2
91	An Improved Convolution Neural Network-Based Model for Classifying Foliage and Woody Components from Terrestrial Laser Scanning Data. <i>Remote Sensing</i> , 2020 , 12, 1010	5	9
90	LED-Based Observation of Snow Surface and Depth Transects. <i>Sensors</i> , 2020 , 20,	3.8	2

89	Use of terrestrial photosieving and airborne topographic LiDAR to assess bed grain size in large rivers: a study on the Rhine River. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 2314-2330	3.7	8
88	Terrestrial laser scanner applied to fluvial geomorphology. <i>Developments in Earth Surface Processes</i> , 2020 , 23, 231-254	2.8	4
87	Detection of defects in building walls using modified OptD method for down-sampling of point clouds. <i>Building Research and Information</i> , 2021 , 49, 197-215	4.3	4
86	Radiometric correction of laser scanning intensity data applied for terrestrial laser scanning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021 , 172, 1-16	11.8	3
85	Stacked Autoencoders Driven by Semi-Supervised Learning for Building Extraction from near Infrared Remote Sensing Imagery. <i>Remote Sensing</i> , 2021 , 13, 371	5	26
84	Forest Road Detection Using LiDAR Data and Hybrid Classification. <i>Remote Sensing</i> , 2021 , 13, 393	5	4
83	Simulated Intensity Rendering of 3D LiDAR using Generative Adversarial Network. 2021,		1
82	From the Semantic Point Cloud to Heritage-Building Information Modeling: A Semiautomatic Approach Exploiting Machine Learning. <i>Remote Sensing</i> , 2021 , 13, 461	5	19
81	Airborne LiDAR Intensity Correction Based on a New Method for Incidence Angle Correction for Improving Land-Cover Classification. <i>Remote Sensing</i> , 2021 , 13, 511	5	1
80	Lidar Boosts 3D Ecological Observations and Modelings: A Review and Perspective. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2021 , 9, 232-257	8.9	19
79	Analyzing the effect of incident angle on echo intensity acquired by hyperspectral lidar based on the Lambert-Beckman model. <i>Optics Express</i> , 2021 , 29, 11055-11069	3.3	3
78	On Using a Low-Density Flash Lidar for Road Vehicle Tracking. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME,</i> 2021 , 143,	1.6	1
77	Assessing the Capability and Potential of LiDAR for Weed Detection. Sensors, 2021, 21,	3.8	0
76	Remote Sensing and Sensors for EDS. 2021 , 1-44		
75	Remote Sensing and Sensors for EDS. 2021 , 1-44		
74	Challenges and Opportunities in Lidar Remote Sensing. Frontiers in Remote Sensing, 2021, 2,	1	6
73	CLASSIFICATION OF UAV POINT CLOUDS BY RANDOM FOREST MACHINE LEARNING ALGORITHM. <i>Turkish Journal of Engineering</i> ,	0.6	4
7 2	Refined Geometric Modeling of Laser Pulse Propagation in Airborne LiDAR Bathymetry. <i>PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science</i> , 2021 , 89, 121	2.9	1

71	Extracting Shallow-Water Bathymetry from Lidar Point Clouds Using Pulse Attribute Data: Merging Density-Based and Machine Learning Approaches. <i>Marine Geodesy</i> , 2021 , 44, 259-286	1.2	6
70	Transfer Learning for LiDAR-Based Lane Marking Detection and Intensity Profile Generation. <i>Geomatics</i> , 2021 , 1, 287-309		2
69	Estimation of Forest LAI Using Discrete Airborne LiDAR: A Review. Remote Sensing, 2021, 13, 2408	5	4
68	3D LiDAR Point Cloud Loop Detection Based on Dynamic Object Removal. 2021 ,		
67	Leaf and Wood Separation for Individual Trees Using the Intensity and Density Data of Terrestrial Laser Scanners. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 7038-7050	8.1	7
66	Learning to Predict Lidar Intensities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-9	6.1	2
65	Automatic Detection of Shield Tunnel Leakages Based on Terrestrial Mobile LiDAR Intensity Images Using Deep Learning. <i>IEEE Access</i> , 2021 , 9, 55300-55310	3.5	4
64	A Procedure for the Characterization and Comparison of 3-D LiDAR Systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	4
63	Identifying the genus or species of individual trees using a three-wavelength airborne lidar system. <i>Remote Sensing of Environment</i> , 2018 , 204, 632-647	13.2	79
62	Airborne LiDAR: state-of-the-art of system design, technology and application. <i>Measurement Science and Technology</i> , 2021 , 32, 032002	2	12
61	Cycloidal diffractive waveplates fabricated using a high-power diode-pumped solid-state laser operating at 532[hm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, D136	1.7	5
60	200 ½ 00 µm structured light source. <i>Optics Express</i> , 2020 , 28, 37307-37321	3.3	2
59	Estimating Coarse Woody Debris Volume Using Image Analysis and Multispectral LiDAR. <i>Forests</i> , 2020 , 11, 141	2.8	8
58	Intensity Correction of Multispectral Airborne Laser Scanning Data. 2021,		
57	Intensity Harmonization for Airborne LiDAR. 2021,		
56	Close-Range Sensing and Data Fusion for Built Heritage Inspection and Monitoring Review. <i>Remote Sensing</i> , 2021 , 13, 3936	5	6
55	Optimizing LUT-based inversion of leaf chlorophyll from hyperspectral lidar data: Role of cost functions and regulation strategies. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 105, 102602	7.3	1
54	Forensic Archaeological Remote Sensing and Geospatial Analysis. <i>Soil Forensics</i> , 2018 , 19-40		

53	Analysis, Quantification, and Discussion of the Approximations Introduced by Pulsed 3-D LiDARs. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	О
52	Semi-supervised Fine-Tuning for Deep Learning Models in Remote Sensing Applications. <i>Lecture Notes in Computer Science</i> , 2020 , 719-730	0.9	1
51	Multi-platform LiDAR approach for detecting coarse woody debris in a landscape with varied ground cover. <i>International Journal of Remote Sensing</i> , 2021 , 42, 9316-9342	3.1	2
50	A novel approach to discriminate sedimentary characteristics of deltaic tidal flats with terrestrial laser scanner: Results from a case study. <i>Sedimentology</i> ,	3.3	
49	Classification of Land-Water Continuum Habitats Using Exclusively Airborne Topobathymetric Lidar Green Waveforms and Infrared Intensity Point Clouds. <i>Remote Sensing</i> , 2022 , 14, 341	5	1
48	Point Cloud Intensity Correction for 2D LiDAR Mobile Laser Scanning. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-22	1.9	O
47	Radiometric enhancement of full-waveform airborne laser scanner data for volumetric representation in environmental applications. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022 , 183, 510-524	11.8	0
46	Improvement of Airborne LiDAR Intensity Image Content with Shaded nDSM and Assessment of Its Utility in Geospatial Data Generation. 2022 , 50, 507		
45	Investigating Surface Fractures and Materials Behavior of Cultural Heritage Buildings Based on the Attribute Information of Point Clouds Stored in the TLS Dataset. <i>Remote Sensing</i> , 2022 , 14, 410	5	3
44	Mapping subaerial sand-gravel-cobble fluvial sediment facies using airborne lidar and machine learning. <i>Geomorphology</i> , 2022 , 401, 108106	4.3	O
43	A GPU-accelerated framework for simulating LiDAR scanning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	1
42	Quantifying Woody Plant Encroachment in Grasslands: A Review on Remote Sensing Approaches. <i>Canadian Journal of Remote Sensing</i> , 1-42	1.8	
41	Combining Sample Plot Stratification and Machine Learning Algorithms to Improve Forest Aboveground Carbon Density Estimation in Northeast China Using Airborne LiDAR Data. <i>Remote Sensing</i> , 2022 , 14, 1477	5	0
40	Review on condition monitoring techniques for water pipelines. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 193, 110895	4.6	2
39	Bounce-Flash Lidar. IEEE Transactions on Computational Imaging, 2022, 1-1	4.5	0
38	High-Definition Survey of Architectural Heritage Fusing Multisensors-The Case of Beamless Hall at Linggu Temple in Nanjing, China <i>Sensors</i> , 2022 , 22,	3.8	
37	LIDAR-Assisted Channel Modelling for LiFi in Realistic Indoor Scenarios. IEEE Access, 2022, 1-1	3.5	1
36	Geometric and semantic point cloud data for quality control of bridge girder reinforcement cages. <i>Automation in Construction</i> , 2022 , 140, 104334	9.6	O

35	Evaluation of the Moso Bamboo Age Determination Based on Laser Echo Intensity. <i>Remote Sensing</i> , 2022 , 14, 2550	5	
34	A survey on RGB-D datasets. <i>Computer Vision and Image Understanding</i> , 2022 , 103489	4.3	2
33	Mobile Terrestrial Laser Scanning and Mapping. 2022 , 303-340		
32	Terrestrial Laser Scanning. 2022 , 233-302		
31	Road marking degradation analysis using 3D point cloud data acquired with a low-cost Mobile Mapping System. <i>Automation in Construction</i> , 2022 , 141, 104446	9.6	2
30	Detecting overmature forests with airborne laser scanning (ALS). Remote Sensing in Ecology and Conservation,	5.3	
29	Automated Geometric Imperfection Detection and Quantification of CFS Members from Point Clouds. KSCE Journal of Civil Engineering,	1.9	О
28	Analysis of Real-Time LiDAR Sensor Simulation for Testing Automated Driving Functions on a Vehicle-in-the-Loop Testbench. 2022 ,		
27	Geometric and radiometric constraints-based extraction of urban road manhole covers and their maintenance-related information using mobile laser scanning data. 1-20		
26	Electromagnetic Spectrum Contribution in Astronomy, Health, Atmospheric, Geology and Environment Applications. 2022 , 29, 281-302		O
25	Correcting laser scanning intensity recorded in a cave environment for high-resolution lithological mapping: A case study of the Gouffre Georges, France. 2022 , 280, 113210		
24	Generalized LiDAR Intensity Normalization and Its Positive Impact on Geometric and Learning-Based Lane Marking Detection. 2022 , 14, 4393		1
23	LiDAR intensity correction for road marking detection. 2023 , 160, 107240		О
22	Autonomous Vehicle Design in Lean Product Development Processes for Value Stream Map. 2022 , 12, 744-777		O
21	LiDAR Snowfall Simulation for Robust 3D Object Detection. 2022,		3
20	Identification of Transparent and Specular Reflective Glass Planes in TLS Data with Intensity Values. 2022 ,		O
19	Refinement of Individual Tree Detection Results Obtained from Airborne Laser Scanning Data for a Mixed Natural Forest. 2022 , 14, 5345		О
18	LiDAR Intensity Completion: Fully Exploiting the Message from LiDAR Sensors. 2022 , 22, 7533		O

17	Vertical distribution of atmospheric brown clouds using Lidar remote sensing over Indian region. 2023 , 227-238	0
16	Kajian Kehandalan Hasil Ekstraksi Bangunan Secara Otomatis Menggunakan Data Ortofoto dan LiDAR di Kota Pontianak. 2019 , 2, 85-91	Ο
15	STV-SC: Segmentation and Temporal Verification Enhanced Scan Context for Place Recognition in Unstructured Environment. 2022 , 22, 8604	О
14	Inventory of close-to-nature forest stands using terrestrial mobile laser scanning. 2022 , 115, 103104	Ο
13	Drainage and refill of an Antarctic Peninsula subglacial lake reveal an active subglacial hydrological network. 2022 , 16, 4797-4809	0
12	A real-time algorithm for continuous navigation in intelligent transportation systems using LiDAR-Gyroscope-Odometer integration. 2023 , 17, 65-77	O
11	Modeling of laser pulse propagation in clouds taking into account multiple scattering. 2022,	О
10	Tree Species Classifications of Urban Forests Using UAV-LiDAR Intensity Frequency Data. 2023 , 15, 110	O
9	Monitoring Critical Infrastructure Using 3D LiDAR Point Clouds. 2023, 11, 314-336	0
8	Encoding 3D Point Contexts for Self-Supervised Spall Classification Using 3D Bridge Point Clouds. 2023 , 37,	O
7	Nokta bulutlar£kullan£arak hafif Blik elemanlardaki Bkilsel kusurlar∄ dofu tespit edilmesi ve boyutlandÆmas∃	0
6	Classification of scenery using multinomial logistic regression in a sugarcane crop. 2022,	O
5	Focal Combo Loss for Improved Road Marking Extraction of Sparse Mobile LiDAR Scanning Point Cloud-Derived Images Using Convolutional Neural Networks. 2023 , 15, 597	О
4	Infrared detector module for airborne hyperspectral LiDAR: design and demonstration. 2023, 62, 2161	O
3	Quantifying Forest Litter Fuel Moisture Content with Terrestrial Laser Scanning. 2023, 15, 1482	0
2	Empirical Analysis of Autonomous Vehicle LiDAR Detection Performance Degradation for Actual Road Driving in Rain and Fog. 2023 , 23, 2972	O
1	Model-Driven Precise Degradation Analysis Method of Highway Marking Using Mobile Laser Scanning Point Clouds. 2023 , 89, 245-258	O