Jonathan Li

List of Publications by Year
in descending order

438 papers	12,500 citations	24978 57 h-index	45213 90 g-index
443 all docs	443 docs citations	443 times ranked	9317 citing authors

#	Article	IF	Citations
1	Rapid Extraction of Urban Road Guardrails From Mobile LiDAR Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1572-1577.	4.7	11
2	GCN-Based Pavement Crack Detection Using Mobile LiDAR Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11052-11061.	4.7	16
3	Building Instance Mapping From ALS Point Clouds Aided by Polygonal Maps. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	2
4	Robust Lane Extraction From MLS Point Clouds Towards HD Maps Especially in Curve Road. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1505-1518.	4.7	19
5	Land Cover Classification of Multispectral LiDAR Data With an Efficient Self-Attention Capsule Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
6	Dense Point Cloud Completion Based on Generative Adversarial Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	2.7	13
7	A Supervoxel Approach to Road Boundary Enhancement From 3-D LiDAR Point Clouds. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
8	A GCN-Based Method for Extracting Power Lines and Pylons From Airborne LiDAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	9
9	Building Instance Extraction Method Based on Improved Hybrid Task Cascade. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
10	BoundaryNet: Extraction and Completion of Road Boundaries With Deep Learning Using Mobile Laser Scanning Point Clouds and Satellite Imagery. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5638-5654.	4.7	15
11	Adaptive Pyramid Context Fusion for Point Cloud Perception. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
12	Spectral–Spatial Transformer Network for Hyperspectral Image Classification: A Factorized Architecture Search Framework. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	68
13	3D Vehicle Detection Using Multi-Level Fusion From Point Clouds and Images. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15146-15154.	4.7	13
14	DeepUrbanDownscale: A physics informed deep learning framework for high-resolution urban surface temperature estimation via 3D point clouds. International Journal of Applied Earth Observation and Geoinformation, 2022, 106, 102650.	1.4	5
15	Detection of Individual Trees in UAV LiDAR Point Clouds Using a Deep Learning Framework Based on Multichannel Representation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	5
16	Combining spatial response features and machine learning classifiers for landslide susceptibility mapping. International Journal of Applied Earth Observation and Geoinformation, 2022, 107, 102681.	1.4	13
17	Road marking extraction in UAV imagery using attentive capsule feature pyramid network. International Journal of Applied Earth Observation and Geoinformation, 2022, 107, 102677.	1.4	4
18	Counting and locating high-density objects using convolutional neural network. Expert Systems With Applications, 2022, 195, 116555.	4.4	5

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19	Semantic Segmentation of Coastal Zone on Airborne Lidar Bathymetry Point Clouds. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
20	Digital surface model generation from high-resolution satellite stereo imagery based on structural similarity. Geocarto International, 2022, 37, 11390-11419.	1.7	2
21	2D3D-MVPNet: Learning cross-domain feature descriptors for 2D-3D matching based on multi-view projections of point clouds. Applied Intelligence, 2022, 52, 14178-14193.	3.3	3
22	A graph attention network for road marking classification from mobile LiDAR point clouds. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102735.	1.4	3
23	AGFP-Net: Attentive geometric feature pyramid network for land cover classification using airborne multispectral LiDAR data. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102723.	1.4	11
24	GIS-based spatial prediction of landslide using road factors and random forest for Sichuan-Tibet Highway. Journal of Mountain Science, 2022, 19, 461-476.	0.8	16
25	Cycle-SNSPGAN: Towards Real-World Image Dehazing via Cycle Spectral Normalized Soft Likelihood Estimation Patch GAN. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20368-20382.	4.7	21
26	WGNet: Wider graph convolution networks for 3D point cloud classification with local dilated connecting and context-aware. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102786.	0.9	2
27	Line-based deep learning method for tree branch detection from digital images. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102759.	0.9	1
28	Super-resolving and composing building dataset using a momentum spatial-channel attention residual feature aggregation network. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102826.	0.9	3
29	SD-GCN: Saliency-based dilated graph convolution network for pavement crack extraction from 3D point clouds. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102836.	0.9	5
30	CapViT: Cross-context capsule vision transformers for land cover classification with airborne multispectral LiDAR data. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102837.	0.9	4
31	Detecting Occluded and Dense Trees in Urban Terrestrial Views With a High-Quality Tree Detection Dataset. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	1
32	Road extraction in remote sensing data: A survey. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102833.	0.9	28
33	STN: Saliency-Guided Transformer Network for Point-Wise Semantic Segmentation of Urban Scenes. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
34	Deep Learning for LiDAR Point Clouds in Autonomous Driving: A Review. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3412-3432.	7.2	219
35	Capsule-Based Networks for Road Marking Extraction and Classification From Mobile LiDAR Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1981-1995.	4.7	34
36	Estimating Carbon Sequestration Potential in Vegetation by Distance-Constrained Zonal Analysis. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1352-1356.	1.4	7

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37	Ground Camera Image and Large-Scale 3-D Image-Based Point Cloud Registration Based on Learning Domain Invariant Feature Descriptors. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 997-1009.	2.3	6
38	Single Satellite Imagery Superresolution Based on Hybrid Nonlocal Similarity Constrained Convolution Sparse Coding. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7489-7505.	2.3	1
39	Multi-Scale Point-Wise Convolutional Neural Networks for 3D Object Segmentation From LiDAR Point Clouds in Large-Scale Environments. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 821-836.	4.7	64
40	Mapping and Semantic Modeling of Underground Parking Lots Using a Backpack LiDAR System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 734-746.	4.7	19
41	OA-CapsNet: A One-Stage Anchor-Free Capsule Network for Geospatial Object Detection from Remote Sensing Imagery. Canadian Journal of Remote Sensing, 2021, 47, 485-498.	1.1	3
42	U-Net Based Road Area Guidance for Crosswalks Detection from Remote Sensing Images. Canadian Journal of Remote Sensing, 2021, 47, 83-99.	1.1	9
43	Matching 2D Image Patches and 3D Point Cloud Volumes by Learning Local Cross-domain Feature Descriptors. , 2021, , .		1
44	Special Issue on 3D Sensing in Intelligent Transportation. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1947-1949.	4.7	7
45	Automated street tree inventory using mobile LiDAR point clouds based on Hough transform and active contours. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 174, 19-34.	4.9	23
46	A CNN approach to simultaneously count plants and detect plantation-rows from UAV imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 174, 1-17.	4.9	61
47	A Comparative Study of Deep Learning Approaches to Rooftop Detection in Aerial Images. Canadian Journal of Remote Sensing, 2021, 47, 413-431.	1.1	8
48	Special Issue on Large-Scale Deep Learning for Sensor-Driven Mapping. Canadian Journal of Remote Sensing, 2021, 47, 353-355.	1.1	0
49	CS-CapsFPN: A Context-Augmentation and Self-Attention Capsule Feature Pyramid Network for Road Network Extraction from Remote Sensing Imagery. Canadian Journal of Remote Sensing, 2021, 47, 499-517.	1.1	2
50	Combined Improved Dirichlet Models and Deep Learning Models for Road Extraction from Remote Sensing Images. Canadian Journal of Remote Sensing, 2021, 47, 465-484.	1.1	4
51	Self-Attention in Reconstruction Bias U-Net for Semantic Segmentation of Building Rooftops in Optical Remote Sensing Images. Remote Sensing, 2021, 13, 2524.	1.8	52
52	Adversarial unsupervised domain adaptation for 3D semantic segmentation with multi-modal learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 176, 211-221.	4.9	25
53	OpenGF: An Ultra-Large-Scale Ground Filtering Dataset Built Upon Open ALS Point Clouds Around the World. , 2021, , .		9
54	Spatial Resolution Enhancement for Large-Scale Land Cover Mapping via Weakly Supervised Deep Learning. Photogrammetric Engineering and Remote Sensing, 2021, 87, 405-412.	0.3	2

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55	Recent trends in premature mortality and health disparities attributable to ambient PM2.5 exposure in China: 2005–2017. Environmental Pollution, 2021, 279, 116882.	3.7	25
56	Multispectral LiDAR Point Cloud Classification Using SE-PointNet++. Remote Sensing, 2021, 13, 2516.	1.8	35
57	A Building Roof Identification CNN Based on Interior-Edge-Adjacency Features Using Hyperspectral Imagery. Remote Sensing, 2021, 13, 2927.	1.8	3
58	Deep Learning Approaches to Spatial Downscaling of GRACE Terrestrial Water Storage Products Using EALCO Model Over Canada. Canadian Journal of Remote Sensing, 2021, 47, 657-675.	1.1	9
59	Semantic segmentation of 3D indoor LiDAR point clouds through feature pyramid architecture search. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 177, 279-290.	4.9	12
60	Accurate Prediction of Earthquake-Induced Landslides Based on Deep Learning Considering Landslide Source Area. Remote Sensing, 2021, 13, 3436.	1.8	21
61	Adaboost-like End-to-End multiple lightweight U-nets for road extraction from optical remote sensing images. International Journal of Applied Earth Observation and Geoinformation, 2021, 100, 102341.	1.4	23
62	High-Resolution Terrain Modeling Using Airborne LiDAR Data with Transfer Learning. Remote Sensing, 2021, 13, 3448.	1.8	7
63	An optimized machine learning approach to water pollution variation monitoring with time-series Landsat images. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102370.	1.4	6
64	A review on deep learning in UAV remote sensing. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102456.	1.4	115
65	Long-term remote sensing monitoring on LUCC around Chaohu Lake with new information of algal bloom and flood submerging. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102413.	1.4	3
66	3D MSSD: A multilayer spatial structure 3D object detection network for mobile LiDAR point clouds. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102406.	1.4	3
67	Reconstructing GRACE-like TWS anomalies for the Canadian landmass using deep learning and land surface model. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102404.	1.4	10
68	Modeling mangrove responses to multi-decadal climate change and anthropogenic impacts using a long-term time series of satellite imagery. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102390.	1.4	7
69	A hybrid deep convolutional neural network for accurate land cover classification. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102515.	1.4	23
70	Average-DInSAR method for unstable escarpments detection induced by underground coal mining. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102489.	1.4	6
71	Sparse anchoring guided high-resolution capsule network for geospatial object detection from remote sensing imagery. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102548.	1.4	4
72	Reconstruction Bias U-Net for Road Extraction From Optical Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2284-2294.	2.3	60

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73	Metric Learning for 2D Image Patch and 3D Point Cloud Volume Matching. , 2021, , .		0
74	Integration of Photogrammetry and Deep Learning in Earth Observation Applications. , 2021, , .		0
75	Semantic Segmentation of UAV Lidar Point Clouds of a Stack Interchange with Deep Neural Networks. , 2021, , .		3
76	The Impact of Data Volume on Performance of Depp Learning Based Building Rooftop Extraction Using Very High Spatial Resolution Aerial Images. , 2021, , .		1
77	A Local Topological Information Aware Based Deep Learning Method for Ground Filtering from Airborne Lidar Data. , 2021, , .		1
78	3D Ocean Water Wave Surface Analysis on Airborne LiDAR Bathymetric Point Clouds. Remote Sensing, 2021, 13, 3918.	1.8	7
79	Mauritia flexuosa palm trees airborne mapping with deep convolutional neural network. Scientific Reports, 2021, 11, 19619.	1.6	4
80	Boundary-Aware graph Markov neural network for semiautomated object segmentation from point clouds. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102564.	1.4	3
81	ResDLPS-Net: Joint residual-dense optimization for large-scale point cloud semantic segmentation. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 182, 37-51.	4.9	14
82	Y-Net: Learning Domain Robust Feature Representation for ground camera image and large-scale image-based point cloud registration. Information Sciences, 2021, 581, 655-677.	4.0	8
83	Fusion of Hyperspectral-Multispectral images joining Spatial-Spectral Dual-Dictionary and structured sparse Low-rank representation. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102570.	1.4	3
84	Machine learning and SLIC for Tree Canopies segmentation in urban areas. Ecological Informatics, 2021, 66, 101465.	2.3	6
85	Prediction of insect-herbivory-damage and insect-type attack in maize plants using hyperspectral data. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102608.	1.4	5
86	Hyperspectral image classification on insufficient-sample and feature learning using deep neural networks: A review. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102603.	1.4	42
87	Spatial evolution path of Gulangyu Island historical international community: from the perspective of actor-network theory. Heritage Science, 2021, 9, .	1.0	3
88	Airborne multispectral LiDAR point cloud classification with a feature Reasoning-based graph convolution network. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102634.	1.4	8
89	Identifying Building Rooftops in Hyperspectral Imagery Using CNN With Pure Pixel Index. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12022-12034.	2.3	1
90	A Fast Progressive TIN Densification Filtering Algorithm for Airborne LiDAR Data Using Adjacent Surface Information. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12492-12503.	2.3	9

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91	Semi-Automated Generation of Road Transition Lines Using Mobile Laser Scanning Data. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1877-1890.	4.7	25
92	Generative Adversarial Networks and Conditional Random Fields for Hyperspectral Image Classification. IEEE Transactions on Cybernetics, 2020, 50, 3318-3329.	6.2	108
93	A Convolutional Capsule Network for Traffic-Sign Recognition Using Mobile LiDAR Data With Digital Images. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1067-1071.	1.4	15
94	Corse-to-Fine Road Extraction Based on Local Dirichlet Mixture Models and Multiscale-High-Order Deep Learning. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4283-4293.	4.7	29
95	Road Manhole Cover Delineation Using Mobile Laser Scanning Point Cloud Data. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 152-156.	1.4	9
96	DeepSTD: Mining Spatio-Temporal Disturbances of Multiple Context Factors for Citywide Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3744-3755.	4.7	63
97	3-D Feature Matching for Point Cloud Object Extraction. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 322-326.	1.4	7
98	Toward Efficient 3-D Colored Mapping in GPS-/GNSS-Denied Environments. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 147-151.	1.4	28
99	A Hybrid Capsule Network for Land Cover Classification Using Multispectral LiDAR Data. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1263-1267.	1.4	26
100	3D Highway Curve Reconstruction From Mobile Laser Scanning Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4762-4772.	4.7	13
101	TGNet: Geometric Graph CNN on 3-D Point Cloud Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3588-3600.	2.7	80
102	A convolutional neural network approach for counting and geolocating citrus-trees in UAV multispectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 160, 97-106.	4.9	132
103	Pairwise registration of TLS point clouds by deep multi-scale local features. Neurocomputing, 2020, 386, 232-243.	3.5	7
104	Automated extraction of lane markings from mobile LiDAR point clouds based on fuzzy inference. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 160, 149-166.	4.9	35
105	Understanding urban structures and crowd dynamics leveraging large-scale vehicle mobility data. Frontiers of Computer Science, 2020, 14, 1.	1.6	8
106	Vehicle global 6-DoF pose estimation under traffic surveillance camera. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 114-128.	4.9	15
107	Learning to Match Ground Camera Image and UAV 3-D Model-Rendered Image Based on Siamese Network With Attention Mechanism. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1608-1612.	1.4	7
108	A Frustum-based probabilistic framework for 3D object detection by fusion of LiDAR and camera data. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 90-100.	4.9	31

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109	Size-differentiated patterns of exposure to submicron particulate matter across regions and seasons in China. Atmospheric Environment, 2020, 238, 117745.	1.9	4
110	Toronto-3D: A Large-scale Mobile LiDAR Dataset for Semantic Segmentation of Urban Roadways. , 2020, , .		95
111	Estimation of Phytoplankton Chlorophyll-a Concentrations in the Western Basin of Lake Erie Using Sentinel-2 and Sentinel-3 Data. Canadian Journal of Remote Sensing, 2020, 46, 585-602.	1.1	20
112	Robust 3D reconstruction of building surfaces from point clouds based on structural and closed constraints. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 170, 29-44.	4.9	30
113	A random forest ranking approach to predict yield in maize with uav-based vegetation spectral indices. Computers and Electronics in Agriculture, 2020, 178, 105791.	3.7	122
114	Squeeze-and-Attention Networks for Semantic Segmentation. , 2020, , .		156
115	A Machine Learning Approach for Mapping Forest Vegetation in Riparian Zones in an Atlantic Biome Environment Using Sentinel-2 Imagery. Remote Sensing, 2020, 12, 4086.	1.8	19
116	U-shaped Feature Extractor Used on Mask R-CNN for Cell Nuclei Image Segmentation. Journal of Physics: Conference Series, 2020, 1646, 012069.	0.3	1
117	Building Extraction from Airborne Multi-Spectral LiDAR Point Clouds Based on Graph Geometric Moments Convolutional Neural Networks. Remote Sensing, 2020, 12, 3186.	1.8	26
118	Mapping Utility Poles in Aerial Orthoimages Using ATSS Deep Learning Method. Sensors, 2020, 20, 6070.	2.1	14
119	Characterization of MSS Channel Reflectance and Derived Spectral Indices for Building Consistent Landsat 1–5 Data Record. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8967-8984.	2.7	7
120	GRNet: Geometric relation network for 3D object detection from point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 165, 43-53.	4.9	17
121	Review: Deep Learning on 3D Point Clouds. Remote Sensing, 2020, 12, 1729.	1.8	171
122	Learning to Match 2D Images and 3D LiDAR Point Clouds for Outdoor Augmented Reality. , 2020, , .		13
123	Land-cover classification of multispectral LiDAR data using CNN with optimized hyper-parameters. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 166, 241-254.	4.9	68
124	Learning sequential slice representation with an attention-embedding network for 3D shape recognition and retrieval in MLS point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 147-163.	4.9	9
125	Fast regularity-constrained plane fitting. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 208-217.	4.9	13
126	Geometric Primitives in LiDAR Point Clouds: A Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 685-707.	2.3	71

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127	Large-scale point cloud contour extraction via 3D guided multi-conditional generative adversarial network. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 164, 97-105.	4.9	9
128	Inlier extraction for point cloud registration via supervoxel guidance and game theory optimization. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 284-299.	4.9	13
129	A Machine Learning Framework to Predict Nutrient Content in Valencia-Orange Leaf Hyperspectral Measurements. Remote Sensing, 2020, 12, 906.	1.8	75
130	Classification of hyperspectral images based on a convolutional neural network and spectral sensitivity. Journal of Zhejiang University: Science A, 2020, 21, 240-248.	1.3	3
131	Quantifying urban expansion using Landsat images and landscape metrics: a case study of the Halton Region, Ontario. Geomatica, 2020, 74, 220-237.	0.5	3
132	Extracting Vehicles in Point Clouds of Underground Parking Lots Based on Graph Convolution. , 2020, , .		0
133	Automated Detection of Manhole Covers in MLS Point Clouds Using a Deep Learning Approach. , 2020, , .		7
134	A Boundary-Enhanced Supervoxel Method for 3D Point Clouds. , 2020, , .		2
135	Extraction of Power Lines and Pylons from LiDAR Point Clouds Using a GCN-Based Method. , 2020, , .		4
136	Early-Season Crop Classification with Radarsat-2 Polarimetric Synthetic Aperture Radar Imagery. , 2020, , .		0
137	N-DPC. , 2020, , .		3
138	Robust procedural model fitting with a new geometric similarity estimator. Pattern Recognition, 2019, 85, 120-131.	5.1	12
139	Characterization of Combined Effects of Urban Built-Up and Vegetated Areas on Long-Term Urban Heat Islands in Beijing. Canadian Journal of Remote Sensing, 2019, 45, 634-649.	1.1	3
140	Rapid Urban Roadside Tree Inventory Using a Mobile Laser Scanning System. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3690-3700.	2.3	30
141	Ground Camera Images and UAV 3D Model Registration for Outdoor Augmented Reality. , 2019, , .		7
142	Normalized Difference Vegetation Index Continuity of the Landsat 4-5 MSS and TM: Investigations Based on Simulation. Remote Sensing, 2019, 11, 1681.	1.8	11
143	Automated Visual Recognizability Evaluation of Traffic Sign Based on 3D LiDAR Point Clouds. Remote Sensing, 2019, 11, 1453.	1.8	18
144	Quantifying PM2.5 mass concentration and particle radius using satellite data and an optical-mass conversion algorithm. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 158, 90-98.	4.9	11

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145	Recovery of urban 3D road boundary via multi-source data. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 184-201.	4.9	11
146	Ship Detection Using a Fully Convolutional Network with Compact Polarimetric SAR Images. Remote Sensing, 2019, 11, 2171.	1.8	42
147	AE-GAN-Net: Learning Invariant Feature Descriptor to Match Ground Camera Images and a Large-Scale 3D Image-Based Point Cloud for Outdoor Augmented Reality. Remote Sensing, 2019, 11, 2243.	1.8	7
148	Topology-Aware Road Network Extraction via Multi-Supervised Generative Adversarial Networks. Remote Sensing, 2019, 11, 1017.	1.8	33
149	Developing an Algorithm for Buildings Extraction and Determining Changes from Airborne LiDAR, and Comparing with R-CNN Method from Drone Images. Remote Sensing, 2019, 11, 1272.	1.8	16
150	Generation of Horizontally Curved Driving Lines in HD Maps Using Mobile Laser Scanning Point Clouds. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1572-1586.	2.3	37
151	A Hybrid Model for Forecasting Traffic Flow: Using Layerwise Structure and Markov Transition Matrix. IEEE Access, 2019, 7, 26002-26012.	2.6	18
152	Sensing Urban Structures and Crowd Dynamics with Mobility Big Data. Lecture Notes in Computer Science, 2019, , 370-389.	1.0	0
153	A Comparative Land-Cover Classification Feature Study of Learning Algorithms: DBM, PCA, and RF Using Multispectral LiDAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1314-1326.	2.3	28
154	Fusion of Hyperspectral and Multispectral Images Based on a Bayesian Nonparametric Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1205-1218.	2.3	14
155	Accelerated stochastic gradient descent with step size selection rules. Signal Processing, 2019, 159, 171-186.	2.1	18
156	Learning high-level features by fusing multi-view representation of MLS point clouds for 3D object recognition in road environments. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 150, 44-58.	4.9	33
157	BikeNet: Accurate Bike Demand Prediction Using Graph Neural Networks for Station Rebalancing. , 2019, , .		12
158	RealPoint3D: Generating 3D Point Clouds from a Single Image of Complex Scenarios. Remote Sensing, 2019, 11, 2644.	1.8	10
159	Long-Term Trend of Ground-Level PM2.5 Concentrations Over 2012-2017 in China. , 2019, , .		1
160	Optimal Bandwidth Allocation for Data Transmission in Virtual Data Centers. , 2019, , .		0
161	Geometric Multi-Model Fitting by Deep Reinforcement Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 10081-10082.	3.6	0
162	iDrug: Pediatric Drug Interaction Modeling and Risk Evaluation Leveraging Prescription Big Data. , 2019, , .		3

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163	RF-Net: An End-To-End Image Matching Network Based on Receptive Field. , 2019, , .		67
164	LO-Net: Deep Real-Time Lidar Odometry. , 2019, , .		114
165	Reconstruction of 3D Zebra Crossings from Mobile Laser Scanning Point Clouds. , 2019, , .		0
166	Predicting Canopy Nitrogen Content in Citrus-Trees Using Random Forest Algorithm Associated to Spectral Vegetation Indices from UAV-Imagery. Remote Sensing, 2019, 11, 2925.	1.8	80
167	Modeling Hyperspectral Response of Water-Stress Induced Lettuce Plants Using Artificial Neural Networks. Remote Sensing, 2019, 11, 2797.	1.8	30
168	Partial 3D Object Retrieval and Completeness Evaluation for Urban Street Scene. , 2019, , .		2
169	Slam-Based Multi-Sensor Backpack Lidar Systems in Gnss-Denied Environments. , 2019, , .		7
170	Non-Reference Quality Evaluation for Indoor 3d Point Clouds. , 2019, , .		1
171	Estimating Pasture Biomass and Canopy Height in Brazilian Savanna Using UAV Photogrammetry. Remote Sensing, 2019, 11, 2447.	1.8	30
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