

Jonathan Li

List of Publications by Year in descending order

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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	Spectral-Spatial Residual Network for Hyperspectral Image Classification: A 3-D Deep Learning Framework. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 847-858.	2.7	1,123
2	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
3	Using mobile laser scanning data for automated extraction of road markings. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 87, 93-107.	4.9	205
4	A comparative study of different classification techniques for marine oil spill identification using RADARSAT-1 imagery. Remote Sensing of Environment, 2014, 141, 14-23.	4.6	204
5	Semi-automated extraction and delineation of 3D roads of street scene from mobile laser scanning point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 79, 80-93.	4.9	194
6	A study on DEM-derived primary topographic attributes for hydrologic applications: Sensitivity to elevation data resolution. Applied Geography, 2008, 28, 210-223.	1.7	181
7	Review: Deep Learning on 3D Point Clouds. Remote Sensing, 2020, 12, 1729.	1.8	171
8	Semiautomated Extraction of Street Light Poles From Mobile LiDAR Point-Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1374-1386.	2.7	159
9	Squeeze-and-Attention Networks for Semantic Segmentation. , 2020, , .		156
10	Use of mobile LiDAR in road information inventory: a review. International Journal of Image and Data Fusion, 2016, 7, 219-242.	0.8	153
11	Fractional vegetation cover estimation in arid and semi-arid environments using HJ-1 satellite hyperspectral data. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 506-512.	1.4	148
12	Integration of orthoimagery and lidar data for object-based urban thematic mapping using random forests. International Journal of Remote Sensing, 2013, 34, 5166-5186.	1.3	140
13	Mobile Laser Scanned Point-Clouds for Road Object Detection and Extraction: A Review. Remote Sensing, 2018, 10, 1531.	1.8	139
14	Deep learning-based tree classification using mobile LiDAR data. Remote Sensing Letters, 2015, 6, 864-873.	0.6	132
15	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
16	Automated Extraction of Road Markings from Mobile Lidar Point Clouds. Photogrammetric Engineering and Remote Sensing, 2012, 78, 331-338.	0.3	128
17	Learning Hierarchical Features for Automated Extraction of Road Markings From 3-D Mobile LiDAR Point Clouds. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 709-726.	2.3	126
18	Scale parameter selection by spatial statistics for GeOBIA: Using mean-shift based multi-scale segmentation as an example. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 106, 28-41.	4.9	124

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19	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
20	Automated Road Information Extraction From Mobile Laser Scanning Data. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 194-205.	4.7	121
21	A review on deep learning in UAV remote sensing. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102456.	1.4	115
22	LO-Net: Deep Real-Time Lidar Odometry. , 2019, , .		114
23	Semantic preserving distance metric learning and applications. Information Sciences, 2014, 281, 674-686.	4.0	108
24	Toward better boundary preserved supervoxel segmentation for 3D point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 143, 39-47.	4.9	108
25	Generative Adversarial Networks and Conditional Random Fields for Hyperspectral Image Classification. IEEE Transactions on Cybernetics, 2020, 50, 3318-3329.	6.2	108
26	Fully convolutional networks for building and road extraction: Preliminary results. , 2016, , .		106
27	A deep learning framework for road marking extraction, classification and completion from mobile laser scanning point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 147, 178-192.	4.9	98
28	Line segment extraction for large scale unorganized point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 102, 172-183.	4.9	97
29	Toronto-3D: A Large-scale Mobile LiDAR Dataset for Semantic Segmentation of Urban Roadways. , 2020, , .		95
30	Vehicle Detection in High-Resolution Aerial Images via Sparse Representation and Superpixels. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 103-116.	2.7	93
31	NormalNet: A voxel-based CNN for 3D object classification and retrieval. Neurocomputing, 2019, 323, 139-147.	3.5	90
32	Automatic Registration of Terrestrial Laser Scanning Point Clouds using Panoramic Reflectance Images. Sensors, 2009, 9, 2621-2646.	2.1	86
33	Dark-spot detection from SAR intensity imagery with spatial density thresholding for oil-spill monitoring. Remote Sensing of Environment, 2010, 114, 2026-2035.	4.6	85
34	Landslide Detection of Hyperspectral Remote Sensing Data Based on Deep Learning With Constrains. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5047-5060.	2.3	85
35	Extraction of power-transmission lines from vehicle-borne lidar data. International Journal of Remote Sensing, 2016, 37, 229-247.	1.3	80
36	Bag-of-visual-phrases and hierarchical deep models for traffic sign detection and recognition in mobile laser scanning data. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 113, 106-123.	4.9	80

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37	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
38	TGNet: Geometric Graph CNN on 3-D Point Cloud Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3588-3600.	2.7	80
39	Automated Extraction of Urban Road Facilities Using Mobile Laser Scanning Data. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2167-2181.	4.7	79
40	Tree Classification in Complex Forest Point Clouds Based on Deep Learning. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2360-2364.	1.4	79
41	Progress in integrating remote sensing data and hydrologic modeling. Progress in Physical Geography, 2014, 38, 464-498.	1.4	77
42	Iterative Tensor Voting for Pavement Crack Extraction Using Mobile Laser Scanning Data. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1527-1537.	2.7	77
43	A Machine Learning Framework to Predict Nutrient Content in Valencia-Orange Leaf Hyperspectral Measurements. Remote Sensing, 2020, 12, 906.	1.8	75
44	Semantic line framework-based indoor building modeling using backpacked laser scanning point cloud. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 143, 150-166.	4.9	73
45	Learn Multiple-Kernel SVMs for Domain Adaptation in Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1224-1228.	1.4	72
46	Pairwise registration of TLS point clouds using covariance descriptors and a non-cooperative game. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 134, 15-29.	4.9	71
47	3-D Road Boundary Extraction From Mobile Laser Scanning Data via Supervoxels and Graph Cuts. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 802-813.	4.7	71
48	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
49	Automated extraction of street-scene objects from mobile lidar point clouds. International Journal of Remote Sensing, 2012, 33, 5839-5861.	1.3	69
50	LiDAR-Video Driving Dataset: Learning Driving Policies Effectively. , 2018, , .		68
51	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
52	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
53	Facet Segmentation-Based Line Segment Extraction for Large-Scale Point Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4839-4854.	2.7	67
54	RF-Net: An End-To-End Image Matching Network Based on Receptive Field. , 2019, , .		67

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55	Semiautomated Building Facade Footprint Extraction From Mobile LiDAR Point Clouds. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 766-770.	1.4	66
56	Sparse Representation Based Pansharpening Using Trained Dictionary. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 293-297.	1.4	66
57	Modeling the effects of elevation data resolution on the performance of topography-based watershed runoff simulation. Environmental Modelling and Software, 2007, 22, 1250-1260.	1.9	65
58	An evaluation of grid size uncertainty in empirical soil loss modeling with digital elevation models. Environmental Modeling and Assessment, 2005, 10, 33-42.	1.2	64
59	Automatic Generation of Seamline Network Using Area Voronoi Diagrams With Overlap. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1737-1744.	2.7	64
60	Extraction and Classification of Road Markings Using Mobile Laser Scanning Point Clouds. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1182-1196.	2.3	64
61	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
62	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
63	Improving Pixel-Based Change Detection Accuracy Using an Object-Based Approach in Multitemporal SAR Flood Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3486-3496.	2.3	62
64	Deep residual networks for hyperspectral image classification. , 2017, , .		62
65	Epipolar resampling of linear pushbroom satellite imagery by a new epipolarity model. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 347-355.	4.9	61
66	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
67	Urban building roof segmentation from airborne lidar point clouds. International Journal of Remote Sensing, 2012, 33, 6497-6515.	1.3	60
68	Using Mobile LiDAR Data for Rapidly Updating Road Markings. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2457-2466.	4.7	60
69	Deep mobile traffic forecast and complementary base station clustering for C-RAN optimization. Journal of Network and Computer Applications, 2018, 121, 59-69.	5.8	60
70	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
71	Road Boundaries Detection Based on Local Normal Saliency From Mobile Laser Scanning Data. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2085-2089.	1.4	58
72	Rapid Localization and Extraction of Street Light Poles in Mobile LiDAR Point Clouds: A Supervoxel-Based Approach. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 292-305.	4.7	58

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73	SAR Image Denoising via Clustering-Based Principal Component Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6858-6869.	2.7	56
74	Vehicle Detection in High-Resolution Aerial Images Based on Fast Sparse Representation Classification and Multiorder Feature. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2296-2309.	4.7	55
75	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
76	Shoreline Extraction from RADARSAT-2 Intensity Imagery Using a Narrow Band Level Set Segmentation Approach. Marine Geodesy, 2010, 33, 187-203.	0.9	49
77	Spatial-Related Traffic Sign Inspection for Inventory Purposes Using Mobile Laser Scanning Data. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 27-37.	4.7	48
78	Use of Satellite Imagery for Establishing Road Horizontal Alignments. Journal of Surveying Engineering, - ASCE, 2007, 133, 29-35.	1.0	47
79	Traffic Sign Occlusion Detection Using Mobile Laser Scanning Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2364-2376.	4.7	47
80	Semantic Labeling of Mobile LiDAR Point Clouds via Active Learning and Higher Order MRF. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3631-3644.	2.7	47
81	Object-Based Features for House Detection from RGB High-Resolution Images. Remote Sensing, 2018, 10, 451.	1.8	45
82	Path-finding through flexible hierarchical road networks: An experiential approach using taxi trajectory data. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 110-119.	1.4	44
83	Approximate Extraction of Spiralled Horizontal Curves from Satellite Imagery. Journal of Surveying Engineering, - ASCE, 2007, 133, 36-40.	1.0	43
84	Vehicle detection from highway satellite images via transfer learning. Information Sciences, 2016, 366, 177-187.	4.0	43
85	Large-scale transport of PM2.5 in the lower troposphere during winter cold surges in China. Scientific Reports, 2017, 7, 13238.	1.6	43
86	Ship Detection Using a Fully Convolutional Network with Compact Polarimetric SAR Images. Remote Sensing, 2019, 11, 2171.	1.8	42
87	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
88	Segmentation of SAR Intensity Imagery With a Voronoi Tessellation, Bayesian Inference, and Reversible Jump MCMC Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 1872-1881.	2.7	41
89	Patch-Based Semantic Labeling of Road Scene Using Colorized Mobile LiDAR Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1286-1297.	4.7	41
90	Object Detection in Terrestrial Laser Scanning Point Clouds Based on Hough Forest. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1807-1811.	1.4	39

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91	Characterization and Evaluation of Elevation Data Uncertainty in Water Resources Modeling with GIS. <i>Water Resources Management</i> , 2008, 22, 959-972.	1.9	38
92	Edge-Guided Multiscale Segmentation of Satellite Multispectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 4513-4520.	2.7	38
93	Pole-Like Road Object Detection in Mobile LiDAR Data via Supervoxel and Bag-of-Contextual-Visual-Words Representation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 520-524.	1.4	38
94	Robust Infrared Small Target Detection Using Multiscale Gray and Variance Difference Measures. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 5039-5052.	2.3	38
95	Landslides investigations from geoinformatics perspective: quality, challenges, and recommendations. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 448-465.	2.0	37
96	Generation of Horizontally Curved Driving Lines in HD Maps Using Mobile Laser Scanning Point Clouds. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1572-1586.	2.3	37
97	Oil spill detection from SAR intensity imagery using a marked point process. <i>Remote Sensing of Environment</i> , 2010, 114, 1590-1601.	4.6	36
98	Semiautomated Segmentation of Sentinel-1 SAR Imagery for Mapping Sea Ice in Labrador Coast. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 1419-1432.	2.3	36
99	Automated extraction of lane markings from mobile LiDAR point clouds based on fuzzy inference. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 160, 149-166.	4.9	35
100	Multispectral LiDAR Point Cloud Classification Using SE-PointNet++. <i>Remote Sensing</i> , 2021, 13, 2516.	1.8	35
101	DEM generation from lidar data in wooded mountain areas by cross-section-plane analysis. <i>International Journal of Remote Sensing</i> , 2014, 35, 927-948.	1.3	34
102	Automated Detection of Road Manhole and Sewer Well Covers From Mobile LiDAR Point Clouds. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 1549-1553.	1.4	34
103	3-D Point Cloud Object Detection Based on Supervoxel Neighborhood With Hough Forest Framework. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 1570-1581.	2.3	34
104	Capsule-Based Networks for Road Marking Extraction and Classification From Mobile LiDAR Point Clouds. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 1981-1995.	4.7	34
105	A key points-based blind watermarking approach for vector geo-spatial data. <i>Computers, Environment and Urban Systems</i> , 2011, 35, 485-492.	3.3	33
106	Joint Enhancing Filtering for Road Network Extraction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1511-1525.	2.7	33
107	Topology-Aware Road Network Extraction via Multi-Supervised Generative Adversarial Networks. <i>Remote Sensing</i> , 2019, 11, 1017.	1.8	33
108	Learning high-level features by fusing multi-view representation of MLS point clouds for 3D object recognition in road environments. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 150, 44-58.	4.9	33

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109	An Indoor Backpack System for 2-D and 3-D Mapping of Building Interiors. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 992-996.	1.4	32
110	A Target-Free Automatic Self-Calibration Approach for Multibeam Laser Scanners. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 238-240.	2.4	31
111	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
112	Unsupervised Land Cover/Land Use Classification Using PolSAR Imagery Based on Scattering Similarity. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1817-1825.	2.7	30
113	Road Network Extraction via Aperiodic Directional Structure Measurement. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3322-3335.	2.7	30
114	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
115	Modeling Hyperspectral Response of Water-Stress Induced Lettuce Plants Using Artificial Neural Networks. Remote Sensing, 2019, 11, 2797.	1.8	30
116	Estimating Pasture Biomass and Canopy Height in Brazilian Savanna Using UAV Photogrammetry. Remote Sensing, 2019, 11, 2447.	1.8	30
117	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
118	Deep neural networks-based vehicle detection in satellite images. , 2015, , .		29
119	Assimilation of SMOS soil moisture over the Great Lakes basin. Remote Sensing of Environment, 2015, 169, 163-175.	4.6	29
120	Coarse-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
121	Monitoring Lake Simcoe Water Clarity Using Landsat-5 TM Images. Water Resources Management, 2011, 25, 2015-2033.	1.9	28
122	Multi-view hypergraph learning by patch alignment framework. Neurocomputing, 2013, 118, 79-86.	3.5	28
123	Bayesian Classification of Hyperspectral Imagery Based on Probabilistic Sparse Representation and Markov Random Field. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 823-827.	1.4	28
124	Automated Detection of Three-Dimensional Cars in Mobile Laser Scanning Point Clouds Using DBM-Hough-Forests. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4130-4142.	2.7	28
125	Spatio-temporal patterns of satellite-derived grassland vegetation phenology from 1998 to 2012 in Inner Mongolia, China. Journal of Arid Land, 2016, 8, 462-477.	0.9	28
126	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

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127	Toward Efficient 3-D Colored Mapping in GPS-/GNSS-Denied Environments. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 147-151.	1.4	28
128	Road extraction in remote sensing data: A survey. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102833.	0.9	28
129	Estimating regional heavy metal concentrations in rice by scaling up a field-scale heavy metal assessment model. International Journal of Applied Earth Observation and Geoinformation, 2012, 19, 12-23.	1.4	26
130	Automatic simplification and visualization of 3D urban building models. International Journal of Applied Earth Observation and Geoinformation, 2012, 18, 222-231.	1.4	26
131	Three-Dimensional Indoor Mobile Mapping With Fusion of Two-Dimensional Laser Scanner and RGB-D Camera Data. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 843-847.	1.4	26
132	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
133	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
134	Pairwise Three-Dimensional Shape Context for Partial Object Matching and Retrieval on Mobile Laser Scanning Data. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1019-1023.	1.4	25
135	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
136	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
137	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
138	Robust depth-based object tracking from a moving binocular camera. Signal Processing, 2015, 112, 154-161.	2.1	24
139	Road network extraction via deep learning and line integral convolution. , 2016, , .		24
140	Mini-batch algorithms with online step size. Knowledge-Based Systems, 2019, 165, 228-240.	4.0	24
141	PolSAR image classification using a semi-supervised classifier based on hypergraph learning. Remote Sensing Letters, 2014, 5, 386-395.	0.6	23
142	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
143	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
144	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

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145	A novel genetic algorithm for optimization of conditioning factors in shallow translational landslides and susceptibility mapping. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	22
146	Assessing the impacts of human activities and climate variations on grassland productivity by partial least squares structural equation modeling (PLS-SEM). <i>Journal of Arid Land</i> , 2017, 9, 473-488.	0.9	22
147	Surface deformation associated with the 2008 Ms8.0 Wenchuan earthquake from ALOS L-band SAR interferometry. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2010, 12, 496-505.	1.4	21
148	Soil Moisture Retrieval From AMSR-E Data in Xinjiang (China): Models and Validation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2011, 4, 117-127.	2.3	21
149	Accurate Prediction of Earthquake-Induced Landslides Based on Deep Learning Considering Landslide Source Area. <i>Remote Sensing</i> , 2021, 13, 3436.	1.8	21
150	Cycle-SNSPGAN: Towards Real-World Image Dehazing via Cycle Spectral Normalized Soft Likelihood Estimation Patch GAN. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 20368-20382.	4.7	21
151	ETVOS: An Enhanced Total Variation Optimization Segmentation Approach for SAR Sea-Ice Image Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 925-934.	2.7	20
152	Three-Dimensional Object Matching in Mobile Laser Scanning Point Clouds. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 492-496.	1.4	20
153	Bag of Contextual-Visual Words for Road Scene Object Detection From Mobile Laser Scanning Data. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 3391-3406.	4.7	20
154	Estimation of Phytoplankton Chlorophyll-a Concentrations in the Western Basin of Lake Erie Using Sentinel-2 and Sentinel-3 Data. <i>Canadian Journal of Remote Sensing</i> , 2020, 46, 585-602.	1.1	20
155	Partially supervised hierarchical classification for urban features from lidar data with aerial imagery. <i>International Journal of Remote Sensing</i> , 2013, 34, 190-210.	1.3	19
156	Comparison of Structured and Weighted Total Least-Squares Adjustment Methods for Linearly Structured Errors-in-Variables Models. <i>Journal of Surveying Engineering, - ASCE</i> , 2017, 143, .	1.0	19
157	Mini-batch algorithms with Barzilai-Borwein update step. <i>Neurocomputing</i> , 2018, 314, 177-185.	3.5	19
158	A Machine Learning Approach for Mapping Forest Vegetation in Riparian Zones in an Atlantic Biome Environment Using Sentinel-2 Imagery. <i>Remote Sensing</i> , 2020, 12, 4086.	1.8	19
159	Mapping and Semantic Modeling of Underground Parking Lots Using a Backpack LiDAR System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 734-746.	4.7	19
160	Robust Lane Extraction From MLS Point Clouds Towards HD Maps Especially in Curve Road. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 1505-1518.	4.7	19
161	Detecting changes in high-resolution satellite coastal imagery using an image object detection approach. <i>International Journal of Remote Sensing</i> , 2013, 34, 2454-2469.	1.3	18
162	Random Barzilai-Borwein step size for mini-batch algorithms. <i>Engineering Applications of Artificial Intelligence</i> , 2018, 72, 124-135.	4.3	18

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163	Automated Visual Recognizability Evaluation of Traffic Sign Based on 3D LiDAR Point Clouds. Remote Sensing, 2019, 11, 1453.	1.8	18
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