Xiaoxiang Zhu

List of Publications by Year
in descending order

321 papers	15,456 citations	20817 60 h-index	20358 116 g-index
322 all docs	322 docs citations	322 times ranked	8879 citing authors

#	Article	IF	Citations
1	Multitask Learning for Human Settlement Extent Regression and Local Climate Zone Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
2	An Unsupervised Remote Sensing Change Detection Method Based on Multiscale Graph Convolutional Network and Metric Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	41
3	Building Footprint Generation Through Convolutional Neural Networks With Attraction Field Representation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	7
4	Self-Supervised Multisensor Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	39
5	Deep Reinforcement Learning for Band Selection in Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	32
6	MultiScene: A Large-Scale Dataset and Benchmark for Multiscene Recognition in Single Aerial Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	5
7	HED-UNet: Combined Segmentation and Edge Detection for Monitoring the Antarctic Coastline. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	70
8	Semantic Segmentation of Remote Sensing Images With Sparse Annotations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	34
9	Learning to Generate SAR Images With Adversarial Autoencoder. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	17
10	CG-Net: Conditional GIS-Aware Network for Individual Building Segmentation in VHR SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	15
11	A Lightweight Deep Learning-Based Cloud Detection Method for Sentinel-2A Imagery Fusing Multiscale Spectral and Spatial Features. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	18
12	SCAF-Net: Scene Context Attention-Based Fusion Network for Vehicle Detection in Aerial Imagery. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
13	Deep Relearning in the Geospatial Domain for Semantic Remote Sensing Image Segmentation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
14	The urban morphology on our planet â€" Global perspectives from space. Remote Sensing of Environment, 2022, 269, 112794.	11.0	58
15	Spatial Context Awareness for Unsupervised Change Detection in Optical Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	8
16	SAR4LCZ-Net: A Complex-Valued Convolutional Neural Network for Local Climate Zones Classification Using Gaofen-3 Quad-Pol SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	4
17	An Advanced Dirichlet Prior Network for Out-of-Distribution Detection in Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	18
18	Large-scale building height retrieval from single SAR imagery based on bounding box regression networks. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 184, 79-95.	11.1	20

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19	Adversarial Shape Learning for Building Extraction in VHR Remote Sensing Images. IEEE Transactions on Image Processing, 2022, 31, 678-690.	9.8	25
20	Patch-Level Unsupervised Planetary Change Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
21	SEN12MS-CR-TS: A Remote-Sensing Data Set for Multimodal Multitemporal Cloud Removal. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	39
22	Multitarget Domain Adaptation for Remote Sensing Classification Using Graph Neural Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	12
23	FuTH-Net: Fusing Temporal Relations and Holistic Features for Aerial Video Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	2
24	Î³-Net: Superresolving SAR Tomographic Inversion via Deep Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	19
25	Deep Quadruple-Based Hashing for Remote Sensing Image-Sound Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	16
26	Beyond pixels: Learning from multimodal hyperspectral superpixels for land cover classification. Science China Technological Sciences, 2022, 65, 802-808.	4.0	3
27	RegGAN: An End-to-End Network for Building Footprint Generation with Boundary Regularization. Remote Sensing, 2022, 14, 1835.	4.0	7
28	Unsupervised Single-Scene Semantic Segmentation for Earth Observation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	10
29	From Easy to Hard: Learning Language-Guided Curriculum for Visual Question Answering on Remote Sensing Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	14
30	Semi-Supervised Building Footprint Generation With Feature and Output Consistency Training. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	3
31	SCIDA: Self-Correction Integrated Domain Adaptation From Single- to Multi-Label Aerial Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	2
32	Can linguistic features extracted from geo-referenced tweets help building function classification in remote sensing?. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 188, 255-268.	11.1	9
33	Reference Network Construction for Persistent Scatterer Detection in SAR Tomography: Ant Colony Search Algorithm (ACSA). IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4496-4506.	4.9	1
34	Semi-Supervised Cloud Detection in Satellite Images by Considering the Domain Shift Problem. Remote Sensing, 2022, 14, 2641.	4.0	8
35	Lebanon Solar Rooftop Potential Assessment Using Buildings Segmentation From Aerial Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4909-4918.	4.9	4
36	CrossGeoNet: A Framework for Building Footprint Generation of Label-Scarce Geographical Regions. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102824.	1.9	5

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37	Joint and Progressive Subspace Analysis (JPSA) With Spatial–Spectral Manifold Alignment for Semisupervised Hyperspectral Dimensionality Reduction. IEEE Transactions on Cybernetics, 2021, 51, 3602-3615.	9.5	71
38	Endmember Bundle Extraction Based on Multiobjective Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8630-8645.	6.3	12
39	Semisupervised Change Detection Using Graph Convolutional Network. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 607-611.	3.1	57
40	Single-Look Multi-Master SAR Tomography: An Introduction. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2132-2154.	6.3	10
41	Unifying Top–Down Views by Task-Specific Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4689-4702.	6.3	9
42	SAR Tomography via Nonlinear Blind Scatterer Separation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5751-5763.	6.3	4
43	Multisensor Data Fusion for Cloud Removal in Global and All-Season Sentinel-2 Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5866-5878.	6.3	58
44	On Creating Benchmark Dataset for Aerial Image Interpretation: Reviews, Guidances, and Million-AID. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4205-4230.	4.9	71
45	Deep Learning Meets SAR: Concepts, models, pitfalls, and perspectives. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 143-172.	9.6	144
46	Toward a Collective Agenda on AI for Earth Science Data Analysis. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 88-104.	9.6	35
47	Land consumption in cities: A comparative study across the globe. Cities, 2021, 113, 103163.	5.6	24
48	Interpretable Hyperspectral Artificial Intelligence: When nonconvex modeling meets hyperspectral remote sensing. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 52-87.	9.6	157
49	Aerial scene understanding in the wild: Multi-scene recognition via prototype-based memory networks. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 177, 89-102.	11.1	13
50	Multimodal remote sensing benchmark datasets for land cover classification with a shared and specific feature learning model. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 178, 68-80.	11.1	128
51	Attention-Aware Pseudo-3-D Convolutional Neural Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7790-7802.	6.3	20
52	Advances of Local Climate Zone Mapping and Its Practice Using Object-Based Image Analysis. Atmosphere, 2021, 12, 1146.	2.3	13
53	SDFL-FC: Semisupervised Deep Feature Learning With Feature Consistency for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10488-10502.	6.3	7
54	A Multispectral and Multiangle 3-D Convolutional Neural Network for the Classification of ZY-3 Satellite Images Over Urban Areas. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10266-10285.	6.3	12

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55	Change Detection in Hyperdimensional Images Using Untrained Models. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11029-11041.	4.9	15
56	End-to-End Semantic Segmentation and Boundary Regularization of Buildings from Satellite Imagery. , 2021, , .		3
57	Whats Next in AI4EO?. , 2021, , .		0
58	Self-Paced Curriculum Learning for Visual Question Answering on Remote Sensing Data. , 2021, , .		7
59	Mitigating Spatial and Spectral Differences for Change Detection Using Super-Resolution and Unsupervised Learning. , 2021, , .		4
60	Seeing the Bigger Picture: Enabling Large Context Windows in Neural Networks by Combining Multiple Zoom Levels. , 2021, , .		2
61	An Overview of Multimodal Remote Sensing Data Fusion: From Image to Feature, From Shallow to Deep. , 2021, , .		6
62	Conditional GIS-Aware Network for Individual Building Segmentation in a VHR SAR Image. , 2021, , .		1
63	Generation of Large Scale 3-D City Models Using Insar and Optical Data. , 2021, , .		0
64	Towards Out-of-Distribution Detection for Remote Sensing. , 2021, , .		6
65	Temporal Relations Matter: A Two-Pathway Network for Aerial Video Recognition. , 2021, , .		2
66	Hed-Unet: A Multi-Scale Framework for Simultaneous Segmentation and Edge Detection. , 2021, , .		0
67	Super-Resolving Sar Tomography Using Deep Learning. , 2021, , .		4
68	Internal Learning for Sequence-to-Sequence Cloud Removal via Synthetic Aperture Radar Prior Information. , 2021, , .		7
69	Unconstrained Aerial Scene Recognition with Deep Neural Networks and a New Dataset. , 2021, , .		0
70	Anomaly Detection in Aerial Videos Via Future Frame Prediction Networks. , 2021, , .		2
71	Efficient SAR Tomographic Inversion via Sparse Bayesian Learning. , 2021, , .		1
72	Mask-Height R-CNN: An End-to-End Network for 3D Building Reconstruction from Monocular Remote Sensing Imagery. , 2021, , .		3

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73	Trusting Small Training Dataset for Supervised Change Detection. , 2021, , .		5
74	Improving Land Cover Classification with a Shift-Invariant Center-Focusing Convolutional Neural Network. , 2021, , .		0
75	Off-grid correction for improving scatterer localization performance in compressive sampling SAR tomography. Science China Information Sciences, 2021, 64, 1.	4.3	1
76	Progressive Unsupervised Deep Transfer Learning for Forest Mapping in Satellite Image. , 2021, , .		5
77	Learning to Pay Attention on Spectral Domain: A Spectral Attention Module-Based Convolutional Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 110-122.	6.3	155
78	Building segmentation through a gated graph convolutional neural network with deep structured feature embedding. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 184-197.	11.1	91
79	Mapping horizontal and vertical urban densification in Denmark with Landsat time-series from 1985 to 2018: A semantic segmentation solution. Remote Sensing of Environment, 2020, 251, 112096.	11.0	57
80	X-ModalNet: A semi-supervised deep cross-modal network for classification of remote sensing data. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 12-23.	11.1	163
81	SAR Tomography at the Limit: Building Height Reconstruction Using Only 3â€“5 TanDEM-X Bistatic Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8026-8037.	6.3	14
82	Uncertainty Analysis of Object-Based Land-Cover Classification Using Sentinel-2 Time-Series Data. Remote Sensing, 2020, 12, 3798.	4.0	8
83	Automatic skin lesion classification based on mid-level feature learning. Computerized Medical Imaging and Graphics, 2020, 84, 101765.	5.8	48
84	Automatic registration of a single SAR image and GIS building footprints in a large-scale urban area. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 170, 1-14.	11.1	16
85	Satellite-Based Mapping of Urban Poverty With Transfer-Learned Slum Morphologies. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5251-5263.	4.9	37
86	Detection of Undocumented Building Constructions from Official Geodata Using a Convolutional Neural Network. Remote Sensing, 2020, 12, 3537.	4.0	7
87	Building Footprint Generation by Integrating Convolution Neural Network With Feature Pairwise Conditional Random Field (FPCRF). IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7502-7519.	6.3	56
88	Nonlocal Graph Convolutional Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8246-8257.	6.3	165
89	Unsupervised Deep Joint Segmentation of Multitemporal High-Resolution Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8780-8792.	6.3	42
90	Multilevel Feature Fusion-Based CNN for Local Climate Zone Classification From Sentinel-2 Images: Benchmark Results on the So2Sat LCZ42 Dataset. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2793-2806.	4.9	41

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91	Seven city types representing morphologic configurations of cities across the globe. Cities, 2020, 105, 102814.	5.6	41
92	Linking Points With Labels in 3D: A Review of Point Cloud Semantic Segmentation. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 38-59.	9.6	212
93	Mapping the Land Cover of Africa at 10 m Resolution from Multi-Source Remote Sensing Data with Google Earth Engine. Remote Sensing, 2020, 12, 602.	4.0	67
94	A framework for large-scale mapping of human settlement extent from Sentinel-2 images via fully convolutional neural networks. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 152-170.	11.1	46
95	So2Sat LCZ42: A Benchmark Data Set for the Classification of Global Local Climate Zones [Software and Data Sets]. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 76-89.	9.6	74
96	Cloud removal in Sentinel-2 imagery using a deep residual neural network and SAR-optical data fusion. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 166, 333-346.	11.1	179
97	Fusing Multiseasonal Sentinel-2 Imagery for Urban Land Cover Classification With Multibranch Residual Convolutional Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1787-1791.	3.1	19
98	Learning-Shared Cross-Modality Representation Using Multispectral-LiDAR and Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1470-1474.	3.1	41
99	Relation Network for Multilabel Aerial Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4558-4572.	6.3	62
100	Multipass SAR Interferometry Based on Total Variation Regularized Robust Low Rank Tensor Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5354-5366.	6.3	13
101	Invariant Attribute Profiles: A Spatial-Frequency Joint Feature Extractor for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3791-3808.	6.3	228
102	Relation Matters: Relational Context-Aware Fully Convolutional Network for Semantic Segmentation of High-Resolution Aerial Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7557-7569.	6.3	122
103	Cross-Attention in Coupled Unmixing Nets for Unsupervised Hyperspectral Super-Resolution. Lecture Notes in Computer Science, 2020, , 208-224.	1.3	79
104	Cross-Task Transfer for Geotagged Audiovisual Aerial Scene Recognition. Lecture Notes in Computer Science, 2020, , 68-84.	1.3	15
105	ERA: A Data Set and Deep Learning Benchmark for Event Recognition in Aerial Videos [Software and Data Sets]. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 125-133.	9.6	23
106	ADVANCING DEEP LEARNING FOR EARTH SCIENCES: FROM HYBRID MODELING TO INTERPRETABILITY. , 2020, , .		6
107	Learning Multi-Label Aerial Image Classification Under Label Noise: A Regularization Approach Using Word Embeddings. , 2020, , .		15
108	Building Extraction by Gated Graph Convolutional Neural Network with Deep Structured Feature Embedding. , 2020, , .		1

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109	Dual Adversarial Network for Unsupervised Ground/Satellite-to-Aerial Scene Adaptation. , 2020, , .		6
110	Instance Segmentation of Buildings Using Keypoints. , 2020, , .		13
111	Generation of Large-Scale High Quality 3-D Urban Models*Note: Sub-titles are not captured in Xplore and should not be used. , 2020, , .		0
112	On the Fusion Strategies of Sentinel-1 and Sentinel-2 Data for Local Climate Zone Classification. , 2020, , .		6
113	Vision-Based Scattering Key-Frame Extraction for VideoSAR Summarization. , 2020, , .		0
114	Event and Activity Recognition in Aerial Videos Using Deep Neural Networks and a New Dataset. , 2020, , .		2
115	Cloud Removal in Unpaired Sentinel-2 Imagery Using Cycle-Consistent GAN and SAR-Optical Data Fusion. , 2020, , .		14
116	Unsupervised Hyperspectral Embedding by Learning a Deep Regression Network. , 2020, , .		2
117	Compressive sensing reconstruction of 3D wet refractivity based on GNSS and InSAR observations. Journal of Geodesy, 2019, 93, 197-217.	3.6	31
118	Has Dongying developed to a ghost city? - Evidence from multi-temporal population estimation based on VHR remote sensing and census counts. Computers, Environment and Urban Systems, 2019, 78, 101372.	7.1	23
119	Bistatic-Like Differential SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5883-5893.	6.3	8
120	Large-Area Characterization of Urban Morphology—Mapping of Built-Up Height and Density Using TanDEM-X and Sentinel-2 Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2912-2927.	4.9	39
121	Super-Resolved Multiple Scatterers Detection in SAR Tomography Based on Compressive Sensing Generalized Likelihood Ratio Test (CS-GLRT). Remote Sensing, 2019, 11, 1930.	4.0	12
122	Fusion of Heterogeneous Earth Observation Data for the Classification of Local Climate Zones. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7623-7642.	6.3	22
123	Large-scale Building Height Estimation from Single VHR SAR image Using Fully Convolutional Network and GIS building footprints. , 2019, , .		9
124	MIMA: MAPPER-Induced Manifold Alignment for Semi-Supervised Fusion of Optical Image and Polarimetric SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9025-9040.	6.3	56
125	Towards the Reconstruction of Prismatic Building Models by SAR-Optical Stereogrammetry. , 2019, , .		0
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127	Slum Mapping in Imbalanced Remote Sensing Datasets Using Transfer Learned Deep Features. , 2019, , .		9
128	Building Instance Classification using Social Media Images. , 2019, , .		5
129	Spatial Baseline Optimization for Spaceborne Multistatic SAR Tomography Systems. Sensors, 2019, 19, 2106.	3.8	4
130	Local climate zone-based urban land cover classification from multi-seasonal Sentinel-2 images with a recurrent residual network. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 154, 151-162.	11.1	101
131	GeoSay: A geometric saliency for extracting buildings in remote sensing images. Computer Vision and Image Understanding, 2019, 186, 37-47.	4.7	11
132	Model Fusion for Building Type Classification from Aerial and Street View Images. Remote Sensing, 2019, 11, 1259.	4.0	65
133	Fusion of Multi-Sensor-Derived Heights and OSM-Derived Building Footprints for Urban 3D Reconstruction. ISPRS International Journal of Geo-Information, 2019, 8, 193.	2.9	14
134	CoSpace: Common Subspace Learning From Hyperspectral-Multispectral Correspondences. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4349-4359.	6.3	180
135	Estimation of PMx Concentrations from Landsat 8 OLI Images Based on a Multilayer Perceptron Neural Network. Remote Sensing, 2019, 11, 646.	4.0	19
136	Geo-spatial text-mining from Twitter â€“ a feature space analysis with a view toward building classification in urban regions. European Journal of Remote Sensing, 2019, 52, 2-11.	3.5	14
137	R^3-Net: A Deep Network for Multioriented Vehicle Detection in Aerial Images and Videos. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5028-5042.	6.3	65
138	A Comparative Review of Manifold Learning Techniques for Hyperspectral and Polarimetric SAR Image Fusion. Remote Sensing, 2019, 11, 681.	4.0	24
139	Semantic segmentation of slums in satellite images using transfer learning on fully convolutional neural networks. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 150, 59-69.	11.1	233
140	New Approaches for Robust and Efficient Detection of Persistent Scatterers in SAR Tomography. Remote Sensing, 2019, 11, 356.	4.0	16
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142	A Relation-Augmented Fully Convolutional Network for Semantic Segmentation in Aerial Scenes. , 2019, , .		129
143	The Challenge of Creating The Sarptical Dataset. , 2019, , .		0
144	A Topological Data Analysis Guided Fusion Algorithm: Mapper-Regularized Manifold Alignment. , 2019, , .		1

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145	WU-Net: A Weakly-Supervised Unmixing Network for Remotely Sensed Hyperspectral Imagery. , 2019, , .		16
146	Fusing Multi-Seasonal Sentinel-2 Images with Residual Convolutional Neural Networks for Local Climate Zone-Derived Urban Land Cover Classification. , 2019, , .		5
147	Automatic Registration of SAR Image and GIS Building Footprints Data in Dense Urban Area. , 2019, , .		1
148	Uavsar Tomography of Munich. , 2019, , .		3
149	Label Relation Inference for Multi-Label Aerial Image Classification. , 2019, , .		17
150	Spatial Relational Reasoning in Networks for Improving Semantic Segmentation of Aerial Images. , 2019, , .		6
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152	Building Footprint Generation Using Improved Generative Adversarial Networks. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 603-607.	3.1	38
153	Learning Spectral-Spatial-Temporal Features via a Recurrent Convolutional Neural Network for Change Detection in Multispectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 924-935.	6.3	346
154	An Augmented Linear Mixing Model to Address Spectral Variability for Hyperspectral Unmixing. IEEE Transactions on Image Processing, 2019, 28, 1923-1938.	9.8	643
155	Nonlocal Compressive Sensing-Based SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3015-3024.	6.3	43
156	Learnable manifold alignment (LeMA): A semi-supervised cross-modality learning framework for land cover and land use classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 147, 193-205.	11.1	206
157	Buildings Detection in VHR SAR Images Using Fully Convolution Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1100-1116.	6.3	82
158	Building instance classification using street view images. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 44-59.	11.1	210
159	InSAR-BM3D: A Nonlocal Filter for SAR Interferometric Phase Restoration. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3456-3467.	6.3	69
160	Automatic Detection and Positioning of Ground Control Points Using TerraSAR-X Multiaspect Acquisitions. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2613-2632.	6.3	12
161	Towards automatic SAR-optical stereogrammetry over urban areas using very high resolution imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 138, 218-231.	11.1	16
162	Corrections to â€œDeep Recurrent Neural Networks for Hyperspectral Image Classificationâ€•[Jul 17 3639-3655]. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1214-1215.	6.3	9

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164	Identifying Corresponding Patches in SAR and Optical Images With a Pseudo-Siamese CNN. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 784-788.	3.1	162
165	Object-Based Multipass InSAR via Robust Low-Rank Tensor Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3062-3077.	6.3	29
166	Unsupervised Spectralâ€“Spatial Feature Learning via Deep Residual Convâ€“Deconv Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 391-406.	6.3	217
167	Geocoding Error Correction for InSAR Point Clouds. Remote Sensing, 2018, 10, 1523.	4.0	16
168	Generative Adversarial Networks for Hard Negative Mining in CNN-Based SAR-Optical Image Matching. , 2018, , .		3
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170	Feature Importance Analysis of Sentinel-2 Imagery for Large-Scale Urban Local Climate Zone Classification. , 2018, , .		4
171	SAR Tomography Using Non-Local Sparse Reconstruction. , 2018, , .		3
172	A framework for SAR-optical stereogrammetry over urban areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 389-408.	11.1	26
173	Hierarchical Region Based Convolution Neural Network for Multiscale Object Detection in Remote Sensing Images. , 2018, , .		13
174	Feature Importance Analysis for Local Climate Zone Classification Using a Residual Convolutional Neural Network with Multi-Source Datasets. Remote Sensing, 2018, 10, 1572.	4.0	53
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176	A Conditional Generative Adversarial Network to Fuse Sar And Multispectral Optical Data For Cloud Removal From Sentinel-2 Images. , 2018, , .		80
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