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	Deep Learning in Remote Sensing: A Comprehensive Review and List of Resources. IEEE Geoscience and Remote Sensing Magazine, 2017, 5, 8-36.	9.6	1,976
2	Deep Recurrent Neural Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3639-3655.	6.3	937
3	An Augmented Linear Mixing Model to Address Spectral Variability for Hyperspectral Unmixing. IEEE Transactions on Image Processing, 2019, 28, 1923-1938.	9.8	643
4	Tomographic SAR Inversion by L_{1} -Norm Regularization—The Compressive Sensing Approach. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3839-3846.	6.3	420
5	A Sparse Image Fusion Algorithm With Application to Pan-Sharpening. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 2827-2836.	6.3	378
6	Very High Resolution Spaceborne SAR Tomography in Urban Environment. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 4296-4308.	6.3	372
7	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
8	Super-Resolution Power and Robustness of Compressive Sensing for Spectral Estimation With Application to Spaceborne Tomographic SAR. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 247-258.	6.3	261
9	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
10	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
11	Unsupervised Spectral–Spatial Feature Learning via Deep Residual Conv–Deconv Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 391-406.	6.3	217
12	Data Fusion and Remote Sensing: An ever-growing relationship. IEEE Geoscience and Remote Sensing Magazine, 2016, 4, 6-23.	9.6	212
13	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
14	Building instance classification using street view images. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 44-59.	11.1	210
15	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
16	Superresolving SAR Tomography for Multidimensional Imaging of Urban Areas: Compressive sensing-based TomoSAR inversion. IEEE Signal Processing Magazine, 2014, 31, 51-58.	5.6	204
17	CoSpace: Common Subspace Learning From Hyperspectral-Multispectral Correspondences. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4349-4359.	6.3	180
18	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

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19	Nonlocal Graph Convolutional Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8246-8257.	6.3	165
20	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
21	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
22	Hyperspectral and LiDAR Data Fusion Using Extinction Profiles and Deep Convolutional Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3011-3024.	4.9	158
23	Interpretable Hyperspectral Artificial Intelligence: When nonconvex modeling meets hyperspectral remote sensing. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 52-87.	9.6	157
24	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
25	HSF-Net: Multiscale Deep Feature Embedding for Ship Detection in Optical Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7147-7161.	6.3	147
26	Deep Learning Meets SAR: Concepts, models, pitfalls, and perspectives. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 143-172.	9.6	144
27	Vehicle Instance Segmentation From Aerial Image and Video Using a Multitask Learning Residual Fully Convolutional Network. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6699-6711.	6.3	140
28	Demonstration of Super-Resolution for Tomographic SAR Imaging in Urban Environment. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3150-3157.	6.3	133
29	A Relation-Augmented Fully Convolutional Network for Semantic Segmentation in Aerial Scenes. , 2019, , .		129
30	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
31	Learning to propagate labels on graphs: An iterative multitask regression framework for semi-supervised hyperspectral dimensionality reduction. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 158, 35-49.	11.1	124
32	Extinction Profiles for the Classification of Remote Sensing Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5631-5645.	6.3	122
33	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
34	A Self-Improving Convolution Neural Network for the Classification of Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1537-1541.	3.1	117
35	Recurrently exploring class-wise attention in a hybrid convolutional and bidirectional LSTM network for multi-label aerial image classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 149, 188-199.	11.1	111
36	Tomographic Imaging and Monitoring of Buildings With Very High Resolution SAR Data. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 661-665.	3.1	108

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37	Exploiting Joint Sparsity for Pansharpening: The J-SparseFI Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2664-2681.	6.3	105
38	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
39	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
40	Let's Do the Time Warp: Multicomponent Nonlinear Motion Estimation in Differential SAR Tomography. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 735-739.	3.1	87
41	Facade Reconstruction Using Multiview Spaceborne TomoSAR Point Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3541-3552.	6.3	85
42	Learning a Robust Local Manifold Representation for Hyperspectral Dimensionality Reduction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2960-2975.	4.9	82
43	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
44	A Conditional Generative Adversarial Network to Fuse Sar And Multispectral Optical Data For Cloud Removal From Sentinel-2 Images. , 2018, , .		80
45	Cross-Attention in Coupled Unmixing Nets for Unsupervised Hyperspectral Super-Resolution. Lecture Notes in Computer Science, 2020, , 208-224.	1.3	79
46	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
47	Precise Three-Dimensional Stereo Localization of Corner Reflectors and Persistent Scatterers With TerraSAR-X. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1782-1802.	6.3	71
48	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
49	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
50	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
51	InSAR-BM3D: A Nonlocal Filter for SAR Interferometric Phase Restoration. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3456-3467.	6.3	69
52	SULoRA: Subspace Unmixing With Low-Rank Attribute Embedding for Hyperspectral Data Analysis. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1351-1363.	10.8	69
53	Retrieval of phase history parameters from distributed scatterers in urban areas using very high resolution SAR data. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 73, 89-99.	11.1	67
54	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

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55	Geodetic SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 18-35.	6.3	65
56	Model Fusion for Building Type Classification from Aerial and Street View Images. Remote Sensing, 2019, 11, 1259.	4.0	65
57	R³-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
58	Feature Extraction and Selection of Sentinel-1 Dual-Pol Data for Global-Scale Local Climate Zone Classification. ISPRS International Journal of Geo-Information, 2018, 7, 379.	2.9	62
59	Relation Network for Multilabel Aerial Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4558-4572.	6.3	62
60	Interferometric Potential of High Resolution Spaceborne SAR. Photogrammetrie, Fernerkundung, Geoinformation, 2009, 2009, 407-419.	1.2	61
61	Joint Sparsity in SAR Tomography for Urban Mapping. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1498-1509.	10.8	61
62	Hyperspectral Data Classification Using Extended Extinction Profiles. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1641-1645.	3.1	61
63	Fusing Meter-Resolution 4-D InSAR Point Clouds and Optical Images for Semantic Urban Infrastructure Monitoring. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 14-26.	6.3	61
64	Nonlocal Tensor Completion for Multitemporal Remotely Sensed Imagesâ€™ Inpainting. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3047-3061.	6.3	60
65	Robust Estimators for Multipass SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 968-980.	6.3	59
66	Multitemporal Very High Resolution From Space: Outcome of the 2016 IEEE GRSS Data Fusion Contest. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3435-3447.	4.9	59
67	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
68	The urban morphology on our planet â€“ Global perspectives from space. Remote Sensing of Environment, 2022, 269, 112794.	11.0	58
69	Hyperspectral and LiDAR Fusion Using Deep Three-Stream Convolutional Neural Networks. Remote Sensing, 2018, 10, 1649.	4.0	57
70	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
71	Semisupervised Change Detection Using Graph Convolutional Network. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 607-611.	3.1	57
72	Robust Reconstruction of Building Facades for Large Areas Using Spaceborne TomoSAR Point Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 752-769.	6.3	56

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73	Analysing changes of the Poyang Lake water area using Sentinel-1 synthetic aperture radar imagery. International Journal of Remote Sensing, 2017, 38, 7041-7069.	2.9	56
74	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
75	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
76	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
77	L_{1} -Regularization-Based SAR Imaging and CFAR Detection via Complex Approximated Message Passing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3426-3440.	6.3	51
78	Long-Term Annual Mapping of Four Cities on Different Continents by Applying a Deep Information Learning Method to Landsat Data. Remote Sensing, 2018, 10, 471.	4.0	50
79	Automatic skin lesion classification based on mid-level feature learning. Computerized Medical Imaging and Graphics, 2020, 84, 101765.	5.8	48
80	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
81	Jointly sparse fusion of hyperspectral and multispectral imagery. , 2013, , .		44
82	Automatic Detection and Reconstruction of 2-D/3-D Building Shapes From Spaceborne TomoSAR Point Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1292-1310.	6.3	44
83	Mining Hard Negative Samples for SAR-Optical Image Matching Using Generative Adversarial Networks. Remote Sensing, 2018, 10, 1552.	4.0	44
84	A Review of Ten-Year Advances of Multi-Baseline SAR Interferometry Using TerraSAR-X Data. Remote Sensing, 2018, 10, 1374.	4.0	44
85	Nonlocal Compressive Sensing-Based SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3015-3024.	6.3	43
86	Unsupervised Deep Joint Segmentation of Multitemporal High-Resolution Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8780-8792.	6.3	42
87	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
88	Seven city types representing morphologic configurations of cities across the globe. Cities, 2020, 105, 102814.	5.6	41
89	Learning-Shared Cross-Modality Representation Using Multispectral-LiDAR and Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1470-1474.	3.1	41
90	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

#	Article	IF	Citations
91	An Efficient Tomographic Inversion Approach for Urban Mapping Using Meter Resolution SAR Image Stacks. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1250-1254.	3.1	39
92	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
93	Self-Supervised Multisensor Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	39
94	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
95	Building Footprint Generation Using Improved Generative Adversarial Networks. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 603-607.	3.1	38
96	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
97	Spatiotemporal scene interpretation of space videos via deep neural network and tracklet analysis. , 2016, , .		35
98	FusioNet: A two-stream convolutional neural network for urban scene classification using PolSAR and hyperspectral data. , 2017, , .		35
99	Toward a Collective Agenda on AI for Earth Science Data Analysis. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 88-104.	9.6	35
100	Semantic Segmentation of Remote Sensing Images With Sparse Annotations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	34
101	Three-Dimensional Deformation Monitoring of Urban Infrastructure by Tomographic SAR Using Multitrack TerraSAR-X Data Stacks. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6868-6878.	6.3	33
102	Deep Reinforcement Learning for Band Selection in Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	32
103	Compressive sensing reconstruction of 3D wet refractivity based on GNSS and InSAR observations. Journal of Geodesy, 2019, 93, 197-217.	3.6	31
104	Robust Object-Based Multipass InSAR Deformation Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4239-4251.	6.3	29
105	Object-Based Multipass InSAR via Robust Low-Rank Tensor Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3062-3077.	6.3	29
106	Reconstruction of individual trees from multi-aspect TomoSAR data. Remote Sensing of Environment, 2015, 165, 175-185.	11.0	28
107	Extended Chirp Scaling-Baseband Azimuth Scaling-Based Azimuth–Range Decouple L_{1} Regularization for TOPS SAR Imaging via CAMP. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3748-3763.	6.3	28
108	A Nonlocal InSAR Filter for High-Resolution DEM Generation From TanDEM-X Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6469-6483.	6.3	28

#	Article	IF	Citations
109	Spaceborne Staring Spotlight SAR Tomography—A First Demonstration With TerraSAR-X. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3743-3756.	4.9	27
110	Joint and Progressive Learning from High-Dimensional Data for Multi-label Classification. Lecture Notes in Computer Science, 2018, , 478-493.	1.3	27
111	A framework for SAR-optical stereogrammetry over urban areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 389-408.	11.1	26
112	Automatic Feature-Based Geometric Fusion of Multiview TomoSAR Point Clouds in Urban Area. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 953-965.	4.9	25
113	Adversarial Shape Learning for Building Extraction in VHR Remote Sensing Images. IEEE Transactions on Image Processing, 2022, 31, 678-690.	9.8	25
114	Joint Sparsity Model for Multilook Hyperspectral Image Unmixing. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 696-700.	3.1	24
115	A Comparative Review of Manifold Learning Techniques for Hyperspectral and Polarimetric SAR Image Fusion. Remote Sensing, 2019, 11, 681.	4.0	24
116	Land consumption in cities: A comparative study across the globe. Cities, 2021, 113, 103163.	5.6	24
117	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
118	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
119	Multisensor Coupled Spectral Unmixing for Time-Series Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2842-2857.	6.3	22
120	A Fast and Accurate Basis Pursuit Denoising Algorithm With Application to Super-Resolving Tomographic SAR. IEEE Transactions on Geoscience and Remote Sensing, 2018, , 1-11.	6.3	22
121	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
122	Tomo-GENESIS: DLR's tomographic SAR processing system. , 2013, , .		21
123	Fusion of TanDEM-X and Cartosat-1 elevation data supported by neural network-predicted weight maps. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 144, 285-297.	11.1	20
124	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
125	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
126	Estimation of PMx Concentrations from Landsat 8 OLI Images Based on a Multilayer Perceptron Neural Network. Remote Sensing, 2019, 11, 646.	4.0	19

#	Article	IF	Citations
127	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
128	Î³-Net: Superresolving SAR Tomographic Inversion via Deep Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	19
129	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
130	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
131	Azimuth-range decouple-based L 1 regularization method for wide ScanSAR imaging via extended chirp scaling. Journal of Applied Remote Sensing, 2017, 11, 015007.	1.3	17
132	Label Relation Inference for Multi-Label Aerial Image Classification. , 2019, , .		17
133	Learning to Generate SAR Images With Adversarial Autoencoder. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	17
134	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
135	Geocoding Error Correction for InSAR Point Clouds. Remote Sensing, 2018, 10, 1523.	4.0	16
136	The SARptical Dataset for Joint Analysis of SAR and Optical Image in Dense Urban Area. , 2018, , .		16
137	New Approaches for Robust and Efficient Detection of Persistent Scatterers in SAR Tomography. Remote Sensing, 2019, 11, 356.	4.0	16
138	WU-Net: A Weakly-Supervised Unmixing Network for Remotely Sensed Hyperspectral Imagery. , 2019, , .		16
139	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
140	Deep Quadruple-Based Hashing for Remote Sensing Image-Sound Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	16
141	Space-borne high resolution SAR tomography: experiments in urban environment using TS-X Data. , 2009, , .		15
142	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
143	Cross-Task Transfer for Geotagged Audiovisual Aerial Scene Recognition. Lecture Notes in Computer Science, 2020, , 68-84.	1.3	15
144	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

#	Article	IF	Citations
145	Learning Multi-Label Aerial Image Classification Under Label Noise: A Regularization Approach Using Word Embeddings. , 2020, , .		15
146	Unambiguous SAR Imaging for Nonuniform DPC Sampling: ℓ_{q} Regularization Method Using Filter Bank. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1596-1600.	3.1	14
147	Potential and limits of non-local means InSAR filtering for TanDEM-X high-resolution DEM generation. Remote Sensing of Environment, 2018, 218, 148-161.	11.0	14
148	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
149	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
150	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
151	Cloud Removal in Unpaired Sentinel-2 Imagery Using Cycle-Consistent GAN and SAR-Optical Data Fusion. , 2020, , .		14
152	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
153	Hierarchical Region Based Convolution Neural Network for Multiscale Object Detection in Remote Sensing Images. , 2018, , .		13
154	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
155	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
156	Advances of Local Climate Zone Mapping and Its Practice Using Object-Based Image Analysis. Atmosphere, 2021, 12, 1146.	2.3	13
157	Instance Segmentation of Buildings Using Keypoints. , 2020, , .		13
158	Sparse tomographic SAR reconstruction from mixed TerraSAR-X/TanDEM-X data stacks. , 2012, , .		12
159	Automatic coastline detection in non-locally filtered tandem-X data. , 2015, , .		12
160	Demonstration of Single-Pass Millimeterwave SAR Tomography for Forest Volumes. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 202-206.	3.1	12
161	Learning a low-coherence dictionary to address spectral variability for hyperspectral unmixing. , 2017, , .		12
162	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

#	Article	IF	Citations
163	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
164	Endmember Bundle Extraction Based on Multiobjective Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8630-8645.	6.3	12
165	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
166	Multitarget Domain Adaptation for Remote Sensing Classification Using Graph Neural Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	12
167	Operational TomoSAR processing using TerraSAR-X high resolution spotlight stacks from multiple view angles. , 2012, , .		11
168	On the use of overcomplete dictionaries for spectral unmixing. , 2012, , .		11
169	GeoSay: A geometric saliency for extracting buildings in remote sensing images. Computer Vision and Image Understanding, 2019, 186, 37-47.	4.7	11
170	Compressive sensing for high resolution differential SAR tomography - the SL1MMER algorithm. , 2010, , .		10
171	Compressive sensing for neutrospheric water vapor tomography using GNSS and InSAR observations. , 2015, , .		10
172	Local manifold learning with robust neighbors selection for hyperspectral dimensionality reduction. , 2016, , .		10
173	Fully conv-deconv network for unsupervised spectral-spatial feature extraction of hyperspectral imagery via residual learning. , 2017, , .		10
174	Potential of nonlocally filtered pursuit monostatic TanDEM-X data for coastline detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 148, 130-141.	11.1	10
175	Single-Look Multi-Master SAR Tomography: An Introduction. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2132-2154.	6.3	10
176	Unsupervised Single-Scene Semantic Segmentation for Earth Observation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	10
177	Hyperspectral image resolution enhancement based on joint sparsity spectral unmixing. , 2014, , .		9
178	Corrections to "Deep Recurrent Neural Networks for Hyperspectral Image Classification"[Jul 17 3639-3655]. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1214-1215.	6.3	9
179	Large-scale Building Height Estimation from Single VHR SAR image Using Fully Convolutional Network and GIS building footprints. , 2019, , .		9
180	Slum Mapping in Imbalanced Remote Sensing Datasets Using Transfer Learned Deep Features. , 2019, , .		9

#	Article	IF	Citations
181	Unifying Top–Down Views by Task-Specific Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4689-4702.	6.3	9
182	SEGMENTATION AND CROWN PARAMETER EXTRACTION OF INDIVIDUAL TREES IN AN AIRBORNE TOMOSAR POINT CLOUD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W2, 205-209.	0.2	9
183	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
184	Coherent stacking with TerraSAR-X imagery in urban areas. , 2009, , .		8
185	A pan-sharpening algorithm based on joint sparsity. , 2012, , .		8
186	A CNN for the identification of corresponding patches in SAR and optical imagery of urban scenes. , 2017, , .		8
187	Building height estimation in single SAR image using OSM building footprints. , 2017, , .		8
188	Bistatic-Like Differential SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5883-5893.	6.3	8
189	Uncertainty Analysis of Object-Based Land-Cover Classification Using Sentinel-2 Time-Series Data. Remote Sensing, 2020, 12, 3798.	4.0	8
190	Reconstructing 2-D/3-D Building Shapes from Spaceborne Tomographic Synthetic Aperture Radar Data. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3, 313-320.	0.2	8
191	ON THE CHALLENGES IN STEREOGRAMMETRIC FUSION OF SAR AND OPTICAL IMAGERY FOR URBAN AREAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 719-722.	0.2	8
192	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
193	Semi-Supervised Cloud Detection in Satellite Images by Considering the Domain Shift Problem. Remote Sensing, 2022, 14, 2641.	4.0	8
194	Fa&#x00E7;ade structure reconstruction using spaceborne TomoSAR point clouds. , 2012, , .		7
195	Analysis of interpolation schemes for the accurate estimation of energy spectrum in Lagrangian methods. Computers and Fluids, 2013, 82, 122-131.	2.5	7
196	Graph regularized coupled spectral unmixing for change detection. , 2015, , .		7
197	Optimized parallelization of non-local means filter for image noise reduction of InSAR image. , 2015, , .		7
198	Detection of Undocumented Building Constructions from Official Geodata Using a Convolutional Neural Network. Remote Sensing, 2020, 12, 3537.	4.0	7

#	Article	IF	Citations
199	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
200	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
201	Self-Paced Curriculum Learning for Visual Question Answering on Remote Sensing Data. , 2021, , .		7
202	Internal Learning for Sequence-to-Sequence Cloud Removal via Synthetic Aperture Radar Prior Information. , 2021, , .		7
203	InSAR Forensics: Tracing InSAR Scatterers in High Resolution Optical Image. , 2015, , .		7
204	Patch-Level Unsupervised Planetary Change Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
205	RegGAN: An End-to-End Network for Building Footprint Generation with Boundary Regularization. Remote Sensing, 2022, 14, 1835.	4.0	7
206	A fundamental bound for super-resolution — with application to 3D SAR imaging. , 2011, , .		6
207	Object-based InSAR deformation reconstruction with application to bridge monitoring. , 2016, , .		6
208	Object based fusion of polarimetric SAR and hyperspectral imaging for land use classification. , 2016, , .		6
209	Identifying corresponding patches in SAR and optical imagery with a convolutional neural network. , 2017, , .		6
210	Spatial Relational Reasoning in Networks for Improving Semantic Segmentation of Aerial Images. , 2019, , .		6
211	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
212	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
213	UNCERTAINTY ASSESSMENT AND WEIGHT MAP GENERATION FOR EFFICIENT FUSION OF TANDEM-X AND CARTOSAT-1 DEMS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1/W1, 433-439.	0.2	6
214	An Overview of Multimodal Remote Sensing Data Fusion: From Image to Feature, From Shallow to Deep. , 2021, , .		6
215	Towards Out-of-Distribution Detection for Remote Sensing. , 2021, , .		6
216	ADVANCING DEEP LEARNING FOR EARTH SCIENCES: FROM HYBRID MODELING TO INTERPRETABILITY. , 2020, , .		6

#	Article	IF	Citations
217	Dual Adversarial Network for Unsupervised Ground/Satellite-to-Aerial Scene Adaptation. , 2020, , .		6
218	On the Fusion Strategies of Sentinel-1 and Sentinel-2 Data for Local Climate Zone Classification. , 2020, , .		6
219	Space-borne high resolution tomographic interferometry. , 2009, , .		5
220	Towards a combined sparse representation and unmixing based hybrid hyperspectral resolution enhancement method. , 2015, , .		5
221	Building Instance Classification using Social Media Images. , 2019, , .		5
222	Fusing Multi-Seasonal Sentinel-2 Images with Residual Convolutional Neural Networks for Local Climate Zone-Derived Urban Land Cover Classification. , 2019, , .		5
223	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
224	Trusting Small Training Dataset for Supervised Change Detection. , 2021, , .		5
225	Progressive Unsupervised Deep Transfer Learning for Forest Mapping in Satellite Image. , 2021, , .		5
226	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
227	Advanced techniques and new high resolution SAR sensors for monitoring urban areas. , 2010, , .		4
228	Sparse reconstrcution techniques for SAR tomography. , 2011, , .		4
229	Collaborative sparse reconstruction for pan-sharpening. , 2013, , .		4
230	GPU-based nonlocal filtering for large scale SAR processing. , 2016, , .		4
231	Digital deserts on the ground and from space. , 2017, , .		4
232	Feature Importance Analysis of Sentinel-2 Imagery for Large-Scale Urban Local Climate Zone Classification. , 2018, , .		4
233	Spatial Baseline Optimization for Spaceborne Multistatic SAR Tomography Systems. Sensors, 2019, 19, 2106.	3.8	4
234	SAR Tomography via Nonlinear Blind Scatterer Separation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5751-5763.	6.3	4

#	Article	IF	Citations
235	Mitigating Spatial and Spectral Differences for Change Detection Using Super-Resolution and Unsupervised Learning. , 2021, , .		4
236	Super-Resolving Sar Tomography Using Deep Learning. , 2021, , .		4
237	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
238	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
239	Techniques and examples for the 3D reconstruction of complex scattering situations using TerraSAR-X. , 2009, , .		3
240	Compressive sensing for image fusion - with application to pan-sharpening. , 2011, , .		3
241	Detection and transmission resource configuration for Space-based Information Network. , 2014, , .		3
242	Detection of buildings in spaceborne TomoSAR point clouds via hybrid region growing and energy minimization technique. , 2015, , .		3
243	The K-LLE algorithm for nonlinear dimensionality ruduction of large-scale hyperspectral data. , 2016, , .		3
244	Extinction profiles: A novel approach for the analysis of remote sensing data. , 2016, , .		3
245	SAR ground control point identification with the aid of high resolution optical data. , 2016, , .		3
246	Towards single-pixel FMCW radar reconstruction. , 2016, , .		3
247	Generative Adversarial Networks for Hard Negative Mining in CNN-Based SAR-Optical Image Matching. , 2018, , .		3
248	SAR Tomography Using Non-Local Sparse Reconstruction. , 2018, , .		3
249	Uavsar Tomography of Munich. , 2019, , .		3
250	End-to-End Semantic Segmentation and Boundary Regularization of Buildings from Satellite Imagery. , 2021, , .		3
251	Mask-Height R-CNN: An End-to-End Network for 3D Building Reconstruction from Monocular Remote Sensing Imagery. , 2021, , .		3
252	A TIE POINT MATCHING STRATEGY FOR VERY HIGH RESOLUTION SAR-OPTICAL STEREOGRAMMETY OVER URBAN AREAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1/W1, 411-417.	0.2	3

#	Article	IF	Citations
253	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
254	Beyond pixels: Learning from multimodal hyperspectral superpixels for land cover classification. Science China Technological Sciences, 2022, 65, 802-808.	4.0	3
255	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
256	3D analysis of scattering effects based on Ray Tracing techniques. , 2009, , .		2
257	Advanced coherence stacking technique using high resolution TerraSAR-X spotlight data. , 2011, , .		2
258	Multi-component nonlinear motion estimation in differential SAR tomography - the time-warp method. , 2011, , .		2
259	Optimal estimation of distributed scatterer phase history parameters from meter-resolution SAR data. , 2011, , .		2
260	Within the resolution cell: Super-resolution in tomographic SAR imaging. , 2011, , .		2
261	Collabrative sparse image fusion with application to pan-sharpening. , 2013, , .		2
262	Geodetic TomoSAR — Fusion of SAR imaging geodesy and TomoSAR for 3D absolute scatterer positioning. , 2014, , .		2
263	Beyond the 12m TanDEM-X DEM. , 2014, , .		2
264	Analysis of super-resolution radar imaging based on sparse regularization. , 2016, , .		2
265	Forest remote sensing on the individual tree level by airborne millimeterwave SAR. , 2016, , .		2
266	Fusion of Urban TanDEM-X Raw DEMs Using Variational Models. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4761-4774.	4.9	2
267	Seeing the Bigger Picture: Enabling Large Context Windows in Neural Networks by Combining Multiple Zoom Levels. , 2021, , .		2
268	Temporal Relations Matter: A Two-Pathway Network for Aerial Video Recognition. , 2021, , .		2
269	Anomaly Detection in Aerial Videos Via Future Frame Prediction Networks. , 2021, , .		2
270	Event and Activity Recognition in Aerial Videos Using Deep Neural Networks and a New Dataset. , 2020, , .		2

#	Article	IF	Citations
271	Unsupervised Hyperspectral Embedding by Learning a Deep Regression Network. , 2020, , .		2
272	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
273	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
274	Peculiarities of urban area analysis with very high resolution interferometric SAR data. , 2011, , .		1
275	From TomoSAR Point Clouds to Objects: Fa&#x00E7;ade Reconstruction. , 2012, , .		1
276	Feature-based fusion of tomosar point clouds from multiview TerraSAR-X data stacks. , 2013, , .		1
277	Spectral-spatial joint sparsity unmixing of hyperspectral data using overcomplete dictionaries. , 2014, , .		1
278	The J-SparseFI-HM Hyperspectral resolution enhancement method â€" Now fully automated. , 2014, , .		1
279	Exploiting sparsity in remote sensing and earth observation: Theory, applications and future trends. , 2015, , .		1
280	The robust InSAR optimization framework with application to monitoring cities on volcanoes. , 2015, , .		1
281	Dynamic dictionary learning strategies for sparse representation based hyperspectral image enhancement. , 2015, , .		1
282	Semantic interpretation of InSAR point clouds. , 2015, , .		1
283	Extended extinction profile for the classification of hyperspectral images. , 2016, , .		1
284	Automatic positioning of SAR ground control points from multi-aspect TerraSAR-X acquisitions. , 2017, , .		1
285	Extraction of Buildings in VHR SAR Images Using Fully Convolution Neural Networks. , 2018, , .		1
286	Multi-Pass SAR Interferometry for 3D Reconstruction of Complex Mountainous Areas Based on Robust Low Rank Tensor Decomposition. , 2018, , .		1
287	A Topological Data Analysis Guided Fusion Algorithm: Mapper-Regularized Manifold Alignment. , 2019, , .		1
288	Automatic Registration of SAR Image and GIS Building Footprints Data in Dense Urban Area. , 2019, , .		1

#	Article	IF	Citations
289	FIRST PRISMATIC BUILDING MODEL RECONSTRUCTION FROM TOMOSAR POINT CLOUDS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B3, 381-386.	0.2	1
290	Conditional GIS-Aware Network for Individual Building Segmentation in a VHR SAR Image. , 2021, , .		1
291	Efficient SAR Tomographic Inversion via Sparse Bayesian Learning. , 2021, , .		1
292	Deformation Monitoring of Urban Infrastructure by Tomographic SAR using Multi-view TerraSAR-X Data Stacks. , 2015, , .		1
293	SEMANTIC INTERPRETATION OF INSAR ESTIMATES USING OPTICAL IMAGES WITH APPLICATION TO URBAN INFRASTRUCTURE MONITORING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 153-160.	0.2	1
294	Building Extraction by Gated Graph Convolutional Neural Network with Deep Structured Feature Embedding. , 2020, , .		1
295	Off-grid correction for improving scatterer localization performance in compressive sampling SAR tomography. Science China Information Sciences, 2021, 64, 1.	4.3	1
296	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
297	Reconstruction of building façades using spaceborne multiview TomoSAR point clouds. , 2013, , .		0
298	Sparse spectral unmixing with endmember groups pre-selection. , 2013, , .		0
299	Automatic large area reconstruction of building façades from spaceborne TomoSAR point clouds. , 2014, , .		0
300	Region growing based nonlocal filtering for InSAR. , 2015, , .		0
301	Sparse pixel-wise spectral unmixing — Which algorithm to use and how to improve the results. , 2015, , .		0
302	Splitting the hyperspectral-multispectral image fusion problem autonomously into weighted pan-sharpening tasks â€" The spectral grouping concept. , 2015, , .		0
303	Hyperspectral resolution enhancement using multisensor image data. , 2015, , .		0
304	Exploiting group sparsity in SAR tomography. , 2015, , .		0
305	Sparse reconstruction automaton for synthetic aperture radar tomography. , 2015, , .		0
306	Robust multibaseline InSAR optimization. , 2016, , .		0

#	Article	IF	Citations
307	Intra-pulse velocity compensation for HRWS-SAR with high squint looking. , 2016, , .		0
308	Method for choosing regularization parameter in 2D SAR imaging. , 2016, , .		0
309	CFAR detection for the complex approximated message passing reconstructed SAR image. , 2016, , .		0
310	Graph-regularized coupled spectral unmixing for multisensor time-series analysis. , 2016, , .		0
311	Earth Observation Using SAR and Social Media Images. , 2017, , .		0
312	Improve multi-baseline InSAR parameter retrieval by semantic information from optical images. , 2017, , .		0
313	Towards the Reconstruction of Prismatic Building Models by SAR-Optical Stereogrammetry. , 2019, , .		0
314	The Challenge of Creating The Sarptical Dataset. , 2019, , .		0
315	Whats Next in AI4EO?. , 2021, , .		0
316	Generation of Large Scale 3-D City Models Using Insar and Optical Data. , 2021, , .		0
317	Hed-Unet: A Multi-Scale Framework for Simultaneous Segmentation and Edge Detection. , 2021, , .		0
318	Unconstrained Aerial Scene Recognition with Deep Neural Networks and a New Dataset. , 2021, , .		0
319	Improving Land Cover Classification with a Shift-Invariant Center-Focusing Convolutional Neural Network. , 2021, , .		0
320	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
321	Vision-Based Scattering Key-Frame Extraction for VideoSAR Summarization. , 2020, , .		0