Ruyi Feng

List of Publications by Year
in descending order

48 papers	792 citations	516710 16 h-index	526287 27 g-index
48 all docs	48 docs citations	48 times ranked	715 citing authors

#	Article	IF	Citations
1	Local Spatial Constraint and Total Variation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	21
2	Joint Total Variation With Nonnegative Constrained Least Square for Sea Ice Concentration Estimation in Low Concentration Areas of Antarctica. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0
3	Mapping mountain glaciers using an improved U-Net model with cSE. International Journal of Digital Earth, 2022, 15, 463-477.	3.9	12
4	Improving Training Instance Quality in Aerial Image Object Detection With a Sampling-Balance-Based Multistage Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10575-10589.	6.3	9
5	Superpixel-Based Reweighted Low-Rank and Total Variation Sparse Unmixing for Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 629-647.	6.3	72
6	CycleGAN-STF: Spatiotemporal Fusion via CycleGAN-Based Image Generation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5851-5865.	6.3	38
7	Remote Sensing and Social Sensing Data Fusion for Fine-Resolution Population Mapping With a Multimodel Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5973-5987.	4.9	20
8	A Study of Diffusion Equation-Based Land-Use/Land-Cover Change Simulation. ISPRS International Journal of Geo-Information, 2021, 10, 383.	2.9	3
9	An Analysis of the Work Resumption in China under the COVID-19 Epidemic Based on Night Time Lights Data. ISPRS International Journal of Geo-Information, 2021, 10, 614.	2.9	13
10	Joint Superpixel Segmentation and Graph Convolutional Network Road Extration for High-Resolution Remote Sensing Imagery. , 2021, , .		4
11	Weakly Supervised Convolutional Neural Networks for Hyperspectral Unmixing. , 2021, , .		3
12	Low-Rank Representation Incorporing Local Spatial Constraint for Hyperspectral Anomaly Detection. , 2021, , .		1
13	An Analysis for the Work Resumption Under the Covid-19 Epidemic based on VIIRS-DNB Nighttime Lights in China. , 2021, , .		0
14	Urban Functional Zone Mapping With a Bibranch Neural Network via Fusing Remote Sensing and Social Sensing Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11737-11749.	4.9	5
15	Fractal Characteristic Analysis of Urban Land-Cover Spatial Patterns with Spatiotemporal Remote Sensing Images in Shenzhen City (1988–2015). Remote Sensing, 2021, 13, 4640.	4.0	8
16	An Improved Pretraining Strategy-Based Scene Classification With Deep Learning. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 844-848.	3.1	13
17	An Augmentation Attention Mechanism for High-Spatial-Resolution Remote Sensing Image Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3862-3878.	4.9	26
18	Semi-MCNN: A Semisupervised Multi-CNN Ensemble Learning Method for Urban Land Cover Classification Using Submeter HRRS Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4973-4987.	4.9	35

#	Article	IF	Citations
19	High-Resolution Remote Sensing Image Scene Classification via Key Filter Bank Based on Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8077-8092.	6.3	60
20	Partitioned Relief-F Method for Dimensionality Reduction of Hyperspectral Images. Remote Sensing, 2020, 12, 1104.	4.0	18
21	Fractal Characteristics and Evolution of Urban Land-Use: A Case Study in the Shenzhen City (1988â€"2015). , 2020, , .		2
22	Multi-Level Strategy-Based Spatial Information Prediction for Spatiotemporal Remote Sensing Imagery Fusion. , 2020, , .		0
23	Semi-Supervised Hyperspectral Unmixing with Very Deep Convolutional Neural Networks. , 2020, , .		1
24	Multi-Scale Geospatial Object Detection Based on Shallow-Deep Feature Extraction. Remote Sensing, 2019, 11, 2525.	4.0	19
25	Joint Local Block Grouping with Noise-Adjusted Principal Component Analysis for Hyperspectral Remote-Sensing Imagery Sparse Unmixing. Remote Sensing, 2019, 11, 1223.	4.0	11
26	Local Block Grouping with Napca Spatial Preprocessing for Hyperspectral Remote Sensing Imagery Sparse Unmixing. , 2019, , .		1
27	Supervised Generative Adversarial Network Based Sample Generation for Scene Classification. , 2019, , .		2
28	Attention based Residual Network for High-Resolution Remote Sensing Imagery Scene Classification. , 2019, , .		14
29	D-Resunet: Resunet and Dilated Convolution for High Resolution Satellite Imagery Road Extraction. , 2019, , .		18
30	Rolling Guidance Based Scaled-Aware Spatial Sparse Unmixing for Hyperspectral Remote Sensing Imagery. , 2018, , .		1
31	Least Angle Regression-Based Constrained Sparse Unmixing of Hyperspectral Remote Sensing Imagery. Remote Sensing, 2018, 10, 1546.	4.0	11
32	Robust geospatial object detection based on pre-trained faster R-CNN framework for high spatial resolution imagery. , 2017, , .		4
33	Rolling Guidance Based Scale-Aware Spatial Sparse Unmixing for Hyperspectral Remote Sensing Imagery. Remote Sensing, 2017, 9, 1218.	4.0	14
34	Nonlocal Total Variation Subpixel Mapping for Hyperspectral Remote Sensing Imagery. Remote Sensing, 2016, 8, 250.	4.0	20
35	Spatial-Temporal Sub-Pixel Mapping Based on Swarm Intelligence Theory. Remote Sensing, 2016, 8, 894.	4.0	26
36	Adaptive Spatial Regularization Sparse Unmixing Strategy Based on Joint MAP for Hyperspectral Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5791-5805.	4.9	21

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37	Sparse representation based subpixel information extraction framework for hyperspectral remote sensing imagery. , 2016, , .		5
38	Complete dictionary online learning for sparse unmixing. , 2016, , .		1
39	Blind spectral unmixing based on sparse component analysis for hyperspectral remote sensing imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 49-63.	11.1	65
40	Adaptive Sparse Subpixel Mapping With a Total Variation Model for Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2855-2872.	6.3	27
41	Non-local sub-pixel mapping for hyperspectral imagery. , 2015, , .		1
42	An Improved Nonlocal Sparse Unmixing Algorithm for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 915-919.	3.1	25
43	Non-local euclidean medians sparse unmixing for hyperspectral remote sensing imagery. , 2014, , .		0
44	Non-Local Sparse Unmixing for Hyperspectral Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1889-1909.	4.9	113
45	Adaptive non-local Euclidean medians sparse unmixing for hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 9-24.	11.1	29
46	An improved weight-calculation non-local sparse unmixing for hyperspectral imagery. , 2014, , .		0
47	A unified sub-pixel mapping model integrating spectral unmixing for hyperspectral imagery. , 2013, , .		0
48	Non-local sparse spectral unmixing for remote sensing imagery. , 2012, , .		0