

Ruyi Feng

List of Publications by Year in descending order

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48
papers

792
citations

516710

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48
all docs

48
docs citations

48
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	CycleGAN-STF: Spatiotemporal Fusion via CycleGAN-Based Image Generation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5851-5865.	6.3	38
6	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
7	Adaptive non-local Euclidean medians sparse unmixing for hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 9-24.	11.1	29
8	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
9	Spatial-Temporal Sub-Pixel Mapping Based on Swarm Intelligence Theory. Remote Sensing, 2016, 8, 894.	4.0	26
10	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
11	An Improved Nonlocal Sparse Unmixing Algorithm for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 915-919.	3.1	25
12	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
13	Local Spatial Constraint and Total Variation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	21
14	Nonlocal Total Variation Subpixel Mapping for Hyperspectral Remote Sensing Imagery. Remote Sensing, 2016, 8, 250.	4.0	20
15	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
16	Multi-Scale Geospatial Object Detection Based on Shallow-Deep Feature Extraction. Remote Sensing, 2019, 11, 2525.	4.0	19
17	D-Resunet: Resunet and Dilated Convolution for High Resolution Satellite Imagery Road Extraction. , 2019, , .		18
18	Partitioned Relief-F Method for Dimensionality Reduction of Hyperspectral Images. Remote Sensing, 2020, 12, 1104.	4.0	18

#	ARTICLE	IF	CITATIONS
19	Rolling Guidance Based Scale-Aware Spatial Sparse Unmixing for Hyperspectral Remote Sensing Imagery. Remote Sensing, 2017, 9, 1218.	4.0	14
20	Attention based Residual Network for High-Resolution Remote Sensing Imagery Scene Classification. , 2019, , .		14
21	An Improved Pretraining Strategy-Based Scene Classification With Deep Learning. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 844-848.	3.1	13
22	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
23	Mapping mountain glaciers using an improved U-Net model with cSE. International Journal of Digital Earth, 2022, 15, 463-477.	3.9	12
24	Least Angle Regression-Based Constrained Sparse Unmixing of Hyperspectral Remote Sensing Imagery. Remote Sensing, 2018, 10, 1546.	4.0	11
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	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
27	Fractal Characteristic Analysis of Urban Land-Cover Spatial Patterns with Spatiotemporal Remote Sensing Images in Shenzhen City (1988â€“2015). Remote Sensing, 2021, 13, 4640.	4.0	8
28	Sparse representation based subpixel information extraction framework for hyperspectral remote sensing imagery. , 2016, , .		5
29	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
30	Robust geospatial object detection based on pre-trained faster R-CNN framework for high spatial resolution imagery. , 2017, , .		4
31	Joint Superpixel Segmentation and Graph Convolutional Network Road Extration for High-Resolution Remote Sensing Imagery. , 2021, , .		4
32	A Study of Diffusion Equation-Based Land-Use/Land-Cover Change Simulation. ISPRS International Journal of Geo-Information, 2021, 10, 383.	2.9	3
33	Weakly Supervised Convolutional Neural Networks for Hyperspectral Unmixing. , 2021, , .		3
34	Supervised Generative Adversarial Network Based Sample Generation for Scene Classification. , 2019, , .		2
35	Fractal Characteristics and Evolution of Urban Land-Use: A Case Study in the Shenzhen City (1988â€“2015). , 2020, , .		2
36	Non-local sub-pixel mapping for hyperspectral imagery. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Complete dictionary online learning for sparse unmixing. , 2016, , .		1
38	Rolling Guidance Based Scaled-Aware Spatial Sparse Unmixing for Hyperspectral Remote Sensing Imagery. , 2018, , .		1
39	Local Block Grouping with Napca Spatial Preprocessing for Hyperspectral Remote Sensing Imagery Sparse Unmixing. , 2019, , .		1
40	Low-Rank Representation Incorporating Local Spatial Constraint for Hyperspectral Anomaly Detection. , 2021, , .		1
41	Semi-Supervised Hyperspectral Unmixing with Very Deep Convolutional Neural Networks. , 2020, , .		1
42	Non-local sparse spectral unmixing for remote sensing imagery. , 2012, , .		0
43	A unified sub-pixel mapping model integrating spectral unmixing for hyperspectral imagery. , 2013, , .		0
44	Non-local euclidean medians sparse unmixing for hyperspectral remote sensing imagery. , 2014, , .		0
45	An improved weight-calculation non-local sparse unmixing for hyperspectral imagery. , 2014, , .		0
46	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
47	An Analysis for the Work Resumption Under the Covid-19 Epidemic based on VIIRS-DNB Nighttime Lights in China. , 2021, , .		0
48	Multi-Level Strategy-Based Spatial Information Prediction for Spatiotemporal Remote Sensing Imagery Fusion. , 2020, , .		0