

Yunsong Li

List of Publications by Year in descending order

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45
papers

1,845
citations

236925

25
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral image reconstruction by deep convolutional neural network for classification. Pattern Recognition, 2017, 63, 371-383.	8.1	217
2	Hyperspectral image super-resolution using deep convolutional neural network. Neurocomputing, 2017, 266, 29-41.	5.9	130
3	Discriminative Reconstruction Constrained Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4666-4679.	6.3	112
4	Structure Tensor and Guided Filtering-Based Algorithm for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4218-4230.	6.3	85
5	Hyperspectral Classification Based on Texture Feature Enhancement and Deep Belief Networks. Remote Sensing, 2018, 10, 396.	4.0	78
6	Spectral constraint adversarial autoencoders approach to feature representation in hyperspectral anomaly detection. Neural Networks, 2019, 119, 222-234.	5.9	72
7	Hyperspectral Imagery Denoising by Deep Learning With Trainable Nonlinearity Function. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1963-1967.	3.1	69
8	NTIRE 2020 Challenge on Spectral Reconstruction from an RGB Image. , 2020, , .		64
9	Hyperspectral Image Super-Resolution Using Deep Feature Matrix Factorization. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6055-6067.	6.3	63
10	Adaptive Weighted Attention Network with Camera Spectral Sensitivity Prior for Spectral Reconstruction from RGB Images. , 2020, , .		63
11	Hyperspectral Image Super-Resolution by Band Attention Through Adversarial Learning. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4304-4318.	6.3	60
12	Hyperspectral Image Super-Resolution by Spectral Difference Learning and Spatial Error Correction. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1825-1829.	3.1	58
13	Spectral Spatial Feature Extraction for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8131-8143.	6.3	57
14	Hyperspectral Image Classification With Imbalanced Data Based on Orthogonal Complement Subspace Projection. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3838-3851.	6.3	53
15	Weakly Supervised Low-Rank Representation for Hyperspectral Anomaly Detection. IEEE Transactions on Cybernetics, 2021, 51, 3889-3900.	9.5	48
16	Discriminative Feature Learning With Distance Constrained Stacked Sparse Autoencoder for Hyperspectral Target Detection. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1462-1466.	3.1	37
17	Discriminative Reconstruction for Hyperspectral Anomaly Detection With Spectral Learning. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7406-7417.	6.3	37
18	Dual feature extraction network for hyperspectral image analysis. Pattern Recognition, 2021, 118, 107992.	8.1	37

#	ARTICLE	IF	CITATIONS
19	Deep convolutional networks with residual learning for accurate spectral-spatial denoising. <i>Neurocomputing</i> , 2018, 312, 372-381.	5.9	36
20	High-quality spectral-spatial reconstruction using saliency detection and deep feature enhancement. <i>Pattern Recognition</i> , 2019, 88, 139-152.	8.1	36
21	SRUN: Spectral Regularized Unsupervised Networks for Hyperspectral Target Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 1463-1474.	6.3	36
22	Deep Kernel Extreme-Learning Machine for the Spectral-Spatial Classification of Hyperspectral Imagery. <i>Remote Sensing</i> , 2018, 10, 2036.	4.0	32
23	Hybrid 2-D-3-D Deep Residual Attentional Network With Structure Tensor Constraints for Spectral Super-Resolution of RGB Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 2321-2335.	6.3	32
24	Hyperspectral Target Detection With RoI Feature Transformation and Multiscale Spectral Attention. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 5071-5084.	6.3	32
25	Target Detection With Unconstrained Linear Mixture Model and Hierarchical Denoising Autoencoder in Hyperspectral Imagery. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 1418-1432.	9.8	31
26	Deep Residual Learning for Boosting the Accuracy of Hyperspectral Pansharpening. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 1435-1439.	3.1	28
27	Sensor-Independent Hyperspectral Target Detection With Semisupervised Domain Adaptive Few-Shot Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 6894-6906.	6.3	25
28	Hyperspectral Target Detection With Macro-Micro Feature Extracted by 3-D Residual Autoencoder. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4907-4919.	4.9	23
29	Self-spectral learning with GAN based spectral-spatial target detection for hyperspectral image. <i>Neural Networks</i> , 2021, 142, 375-387.	5.9	23
30	Scalable Video Coding Based on User's View for Real-Time Virtual Reality Applications. <i>IEEE Communications Letters</i> , 2018, 22, 25-28.	4.1	22
31	A Novel Effectively Optimized One-Stage Network for Object Detection in Remote Sensing Imagery. <i>Remote Sensing</i> , 2019, 11, 1376.	4.0	19
32	Sparse Coding-Inspired GAN for Hyperspectral Anomaly Detection in Weakly Supervised Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	6.3	18
33	Trainable spectral difference learning with spatial starting for hyperspectral image denoising. <i>Neural Networks</i> , 2018, 108, 272-286.	5.9	15
34	Spectral mapping with adversarial learning for unsupervised hyperspectral change detection. <i>Neurocomputing</i> , 2021, 465, 71-83.	5.9	15
35	Unsupervised spectral mapping and feature selection for hyperspectral anomaly detection. <i>Neural Networks</i> , 2020, 132, 144-154.	5.9	14
36	Edge-Conditioned Feature Transform Network for Hyperspectral and Multispectral Image Fusion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	11

#	ARTICLE	IF	CITATIONS
37	A Low-Complexity Hyperspectral Anomaly Detection Algorithm and Its FPGA Implementation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 907-921.	4.9	10
38	Fusion of Hyperspectral and Panchromatic Images Using Generative Adversarial Network and Image Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	10
39	HASIC-Net: Hybrid Attentional Convolutional Neural Network With Structure Information Consistency for Spectral Super-Resolution of RGB Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	10
40	SGML: A Symmetric Graph Metric Learning Framework for Efficient Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 609-622.	4.9	7
41	Dual-Frequency Autoencoder for Anomaly Detection in Transformed Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	7
42	Discriminative Feature Learning Constrained Unsupervised Network for Cloud Detection in Remote Sensing Imagery. Remote Sensing, 2020, 12, 456.	4.0	5
43	Hyperspectral Target Detection Using a Bilinear Sparse Binary Hypothesis Model. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
44	SOON: Specifically Optimized One-Stage Network for Object Detection in Remote Sensing Imagery. , 2019, , .		2
45	Spectral Super-Resolution Using Hybrid 2D-3D Structure Tensor Attention Networks with Camera Spectral Sensitivity Prior. , 2020, , .		2