Jie Lei

List of Publications by Year
in descending order

40 papers	1,152 citations	331670 21 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	763 citing authors

#	Article	IF	Citations
1	Filter Pruning via Learned Representation Median in the Frequency Domain. IEEE Transactions on Cybernetics, 2023, 53, 3165-3175.	9.5	6
2	Interlayer Restoration Deep Neural Network for Scalable High Efficiency Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3217-3234.	8.3	2
3	E2E-LIADE: End-to-End Local Invariant Autoencoding Density Estimation Model for Anomaly Target Detection in Hyperspectral Image. IEEE Transactions on Cybernetics, 2022, 52, 11385-11396.	9.5	17
4	Weakly Supervised Discriminative Learning With Spectral Constrained Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6504-6517.	11.3	32
5	Sparse Coding-Inspired GAN for Hyperspectral Anomaly Detection in Weakly Supervised Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	18
6	Rank-Aware Generative Adversarial Network for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	2
7	Boundary Extraction Constrained Siamese Network for Remote Sensing Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	8
8	Algorithm/Hardware Codesign for Real-Time On-Satellite CNN-Based Ship Detection in SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	8
9	Multi-Prior Twin Least-Square Network for Anomaly Detection of Hyperspectral Imagery. Remote Sensing, 2022, 14, 2859.	4.0	0
10	A Specially Optimized One-Stage Network for Object Detection in Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 401-405.	3.1	12
11	HPGAN: Hyperspectral Pansharpening Using 3-D Generative Adversarial Networks. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 463-477.	6.3	44
12	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
13	Characterization of Background-Anomaly Separability With Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6017-6028.	6.3	37
14	Dual feature extraction network for hyperspectral image analysis. Pattern Recognition, 2021, 118, 107992.	8.1	37
15	Weakly Supervised Low-Rank Representation for Hyperspectral Anomaly Detection. IEEE Transactions on Cybernetics, 2021, 51, 3889-3900.	9.5	48
16	Self-spectral learning with GAN based spectral–spatial target detection for hyperspectral image. Neural Networks, 2021, 142, 375-387.	5.9	23
17	Spectral mapping with adversarial learning for unsupervised hyperspectral change detection. Neurocomputing, 2021, 465, 71-83.	5.9	15
18	Hyperspectral Pansharpening With Deep Priors. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1529-1543.	11.3	77

#	ARTICLE	IF	CITATIONS
19	Spectral Adversarial Feature Learning for Anomaly Detection in Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2352-2365.	6.3	43
20	Deep Latent Spectral Representation Learning-Based Hyperspectral Band Selection for Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2015-2026.	6.3	35
21	Unsupervised spectral mapping and feature selection for hyperspectral anomaly detection. Neural Networks, 2020, 132, 144-154.	5.9	14
22	Autoencoder and Adversarial-Learning-Based Semisupervised Background Estimation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5416-5427.	6.3	68
23	Semisupervised Spectral Learning With Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5224-5236.	6.3	53
24	Discriminative Feature Learning Constrained Unsupervised Network for Cloud Detection in Remote Sensing Imagery. Remote Sensing, 2020, 12, 456.	4.0	5
25	SRUN: Spectral Regularized Unsupervised Networks for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1463-1474.	6.3	36
26	Discriminative Reconstruction for Hyperspectral Anomaly Detection With Spectral Learning. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7406-7417.	6.3	37
27	Hyperspectral Band Selection for Spectral–Spatial Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3426-3436.	6.3	30
28	A Novel Effectively Optimized One-Stage Network for Object Detection in Remote Sensing Imagery. Remote Sensing, 2019, 11, 1376.	4.0	19
29	Spectral constraint adversarial autoencoders approach to feature representation in hyperspectral anomaly detection. Neural Networks, 2019, 119, 222-234.	5.9	72
30	Spectral–Spatial Feature Extraction for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8131-8143.	6.3	57
31	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
32	Hyperspectral Image Super-Resolution Using Deep Feature Matrix Factorization. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6055-6067.	6.3	63
33	A Novel FPGA-Based Architecture for Fast Automatic Target Detection in Hyperspectral Images. Remote Sensing, 2019, 11, 146.	4.0	10
34	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
35	SOON: Specifically Optimized One-Stage Network for Object Detection in Remote Sensing Imagery. , 2019, , .		2
36	Hyperspectral Pansharpening Based on Spectral Constrained Adversarial Autoencoder. Remote Sensing, 2019, 11, 2691.	4.0	10

#	Article	IF	Citations
37	High-quality spectral-spatial reconstruction using saliency detection and deep feature enhancement. Pattern Recognition, 2019, 88, 139-152.	8.1	36
38	Fast FPGA Implementation for Computing the Pixel Purity Index of Hyperspectral Images. Journal of Circuits, Systems and Computers, 2018, 27, 1850045.	1.5	5
39	Structure Tensor-Based Algorithm for Hyperspectral and Panchromatic Images Fusion. Remote Sensing, 2018, 10, 373.	4.0	25
40	A Deep Pipelined Implementation of Hyperspectral Target Detection Algorithm on FPGA Using HLS. Remote Sensing, 2018, 10, 516.	4.0	14