

# Licheng Jiao

## List of Articles by Year in descending order

Source: [//exaly.com/author-pdf/8786729/publications.pdf](https://exaly.com/author-pdf/8786729/publications.pdf)

Version: 2025-02-01

1,118

PR articles

29,717

PR citations

6529

75

PR h-index

4939

165

g-index

1306

documents

37125

doc citations

5877

83

h-index

27606

citing authors

#	ARTICLE	IF	CITATIONS
1	VCGPrompt: Visual Concept Graph-Aware Prompt Learning for Vision-Language Models. Pattern Recognition, 2026, 170, 112012.	7.1	1
2	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si106.svg" display="inline" id="d1e1449"} \rangle$ $\langle \text{mml:msup} \rangle$ $\langle \text{mml:mrow}/\rangle$ $\langle \text{mml:mrow} \rangle$	15.8	1
3	Multi-level vision language interaction learning for cross-modal retrieval. Information Fusion, 2026, 126, 103481.	15.8	0
4	Softmatch distance: A novel distance for weakly-supervised trend change detection in bi-temporal images. Pattern Recognition, 2026, 171, 112169.	7.1	5
5	Recurrent progressive fusion-based learning for multi-source remote sensing image classification. Pattern Recognition, 2026, 171, 112284.	7.1	0
6	CoT: Contourlet Transformer for Hierarchical Semantic Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 132-146.	9.5	14
7	DEs-Inspired Accelerated Unfolded Linearized ADMM Networks for Inverse Problems. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 5319-5333.	9.5	0
8	Multiscale Deep Learning for Detection and Recognition: A Comprehensive Survey. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 5900-5920.	9.5	39
9	Negative Deterministic Information-Based Multiple Instance Learning for Weakly Supervised Object Detection and Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 6188-6202.	9.5	9
10	Brain-Inspired Learning, Perception, and Cognition: A Comprehensive Review. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 5921-5941.	9.5	23
11	A Spatial-Spectral Relation-Guided Fusion Network for Multisource Optical RS Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 8991-9004.	9.5	1
12	EDDA:An Efficient Divide-and-Conquer Domain Adapter for Automatics Modulation Recognition. IEEE Journal on Selected Topics in Signal Processing, 2025, 19, 140-153.	7.8	6
13	Knowledge-Aware Geometric Contourlet Semantic Learning for Hyperspectral Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 35, 698-712.	9.1	2
14	Automatic Graph Topology-Aware Transformer. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 8470-8484.	9.5	1
15	Cross-Modal Remote Sensing Image-Text Retrieval via Context and Uncertainty-Aware Prompt. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 11384-11398.	9.5	13
16	Efficient evolutionary multi-scale spectral-spatial attention fusion network for hyperspectral image classification. Expert Systems With Applications, 2025, 262, 125672.	7.3	5
17	PSRNet: Few-Shot Automatic Modulation Classification Under Potential Domain Differences. IEEE Transactions on Wireless Communications, 2025, 24, 371-384.	8.3	5
18	DAE-GSP: Discriminative Autoencoder With Gaussian Selective Patch for Multimodal Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-14.	6.4	3

#	ARTICLE	IF	CITATIONS
19	CDFNet: Cross-Domain Feature Fusion Network for PolSAR Terrain Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-15.	6.4	1
20	Unveiling and Mitigating Generalized Biases of DNNs Through the Intrinsic Dimensions of Perceptual Manifolds. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2025, 47, 2237-2244.	11.2	4
21	Knowledge-aware evolutionary graph neural architecture search. Knowledge-Based Systems, 2025, 309, 112810.	7.0	7
22	Contour Knowledge-Aware Perception Learning for Semantic Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 35, 4560-4575.	9.1	1
23	A Multiscale Discriminative Attack Method for Automatic Modulation Classification. IEEE Transactions on Information Forensics and Security, 2025, 20, 294-308.	6.3	7
24	Text generation and multi-modal knowledge transfer for few-shot object detection. Pattern Recognition, 2025, 161, 111283.	7.1	12
25	Semantic-Assisted Feature Integration Network for Multilabel Remote Sensing Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-15.	6.4	5
26	SA-MixNet: Structure-Aware Mixup and Invariance Learning for Scribble-Supervised Road Extraction in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-14.	6.4	8
27	CLIP-Based Grid Features and Masking for Remote Sensing Image Captioning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 2631-2642.	4.7	8
28	Water-Matching CAM: A Novel Class Activation Map for Weakly-Supervised Semantic Segmentation of Water in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 3222-3235.	4.7	3
29	Revisiting non-learned operators based deep learning for image classification: a lightweight directional-aware network. Artificial Intelligence Review, 2025, 58, .	11.0	3
30	LGSNet: Local-Global Semantics Learning Object Detection. IEEE Transactions on Multimedia, 2025, 27, 2281-2292.	7.6	2
31	Self-Supervised, Non-Contact Heartbeat Detection Based on Ballistocardiograms Utilizing Physiological Information Guidance. IEEE Journal of Biomedical and Health Informatics, 2025, 29, 2589-2602.	5.3	1
32	SAR target recognition network based on frequency domain covariance matrix and Riemannian manifold. Geomatica, 2025, 77, 100031.	0.8	2
33	Machine Learning-Based Modeling and BV Optimization for LDMOS With Multifloating Buried Layers. IEEE Transactions on Electron Devices, 2025, 72, 550-556.	2.7	3
34	Uncertainty Guided Progressive Few-Shot Learning Perception for Aerial View Synthesis. IEEE Transactions on Multimedia, 2025, 27, 1177-1192.	7.6	1
35	Multiple Hierarchical Cross-Scale Transformer for Remote Sensing Scene Classification. Remote Sensing, 2025, 17, 42.	3.7	3
36	Interactive Concept Network Enhanced Transformer for Remote Sensing Image Captioning. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-16.	6.4	3

#	ARTICLE	IF	CITATIONS
37	Joint Style and Layout Synthesizing: Toward Generalizable Remote Sensing Semantic Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 35, 4055-4071.	9.1	6
38	Prompt-Based Concept Learning for Few-Shot Class-Incremental Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 35, 4991-5005.	9.1	8
39	Multiscale Sparse Cross-Attention Network for Remote Sensing Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-16.	6.4	16
40	A Mamba-Aware Spatial-Spectral Cross-Modal Network for Remote Sensing Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-15.	6.4	8
41	Oral: An Observational Learning Paradigm for Unsupervised Hyperspectral Change Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 35, 5380-5393.	9.1	5
42	CenterFormer: A Center Spatial-Spectral Attention Transformer Network for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 5523-5539.	4.7	9
43	An Adaptive Dual-Supervised Cross-Deep Dependency Network for Pixel-Wise Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	1
44	S2Mamba: A Spatial-Spectral State Space Model for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	27
45	Dynamic Bilinear Fusion Network for Synthetic Aperture Radar Image Change Detection. IEEE Geoscience and Remote Sensing Letters, 2025, 22, 1-5.	3.2	6
46	MLMamba: A Mamba-Based Efficient Network for Multi-Label Remote Sensing Scene Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 35, 6245-6258.	9.1	9
47	One Token for Detecting Various Changes. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-14.	6.4	0
48	AutoPolCNN: A neural architecture search method of convolutional neural network for PolSAR image classification. Knowledge-Based Systems, 2025, 312, 113122.	7.0	5
49	Predicting and Enhancing the Fairness of DNNs With the Curvature of Perceptual Manifolds. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2025, 47, 3394-3411.	11.2	7
50	A 3D Self-Awareness Diffusion Network for Multimodal Classification. IEEE Transactions on Multimedia, 2025, 27, 3462-3475.	7.6	1
51	Adaptive Complex Wavelet Informed Transformer Operator. IEEE Transactions on Multimedia, 2025, 27, 3513-3526.	7.6	9
52	CSCT: Channel-Spatial Coherent Transformer for Remote Sensing Image Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-14.	6.4	7
53	Knowledge-Driven Compositional Action Recognition. Pattern Recognition, 2025, 163, 111452.	7.1	7
54	Uncertainty-Aware Semi-Supervised Learning Segmentation for Remote Sensing Images. IEEE Transactions on Multimedia, 2025, 27, 5548-5562.	7.6	5

#	ARTICLE	IF	CITATIONS
55	Contour-Aware Dynamic Low-High Frequency Integration for Pan-Sharpener. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	4
56	Robust Motion-Guided Frame Sampler With Interpretive Evaluation for Video Action Recognition. IEEE Transactions on Mobile Computing, 2025, 24, 6197-6208.	6.8	3
57	When Large Language Models Meet Evolutionary Algorithms: Potential Enhancements and Challenges. Research, 2025, 8, .	8.0	3
58	Dual-Path Prototype Feature Decoupling Alignment Network for Panchromatic and Multispectral Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	0
59	Attribute-Based Learning for Remote Sensing Image Captioning in Unseen Scenes. Remote Sensing, 2025, 17, 1237.	3.7	2
60	PDCNet: A Polarimetric Data-Enhanced Contrastive Learning Network for PolSAR Land Cover Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 10010-10025.	4.7	3
61	S4DL: Shift-Sensitive Spatial Spectral Disentangling Learning for Hyperspectral Image Unsupervised Domain Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 16894-16908.	9.5	40
62	SpiralMamba: Spatial-Spectral Complementary Mamba With Spatial Spiral Scan for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-19.	6.4	6
63	ViewCAM: A Weakly Supervised Building Extraction Method Based on View Consistency and Feature Affinity Enhancement. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	0
64	Knowledge-Aware Evolutionary Transformer. IEEE Transactions on Evolutionary Computation, 2025, 30, 609-623.	7.2	1
65	Diffusion SigFormer for Interference Time-Series Signal Recognition. IEEE Transactions on Instrumentation and Measurement, 2025, 74, 1-12.	3.7	1
66	Temporal-Feedback Self-Training for Semi-Supervised Object Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-14.	6.4	1
67	Community evolution prediction based on feature change patterns in social networks. Scientific Reports, 2025, 15, .	3.4	2
68	DBA-RMCL: Refined Metric Contrastive Learning With Dual-Branch Attention for Few-Shot Remote Sensing Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-16.	6.4	0
69	Meta Knowledge Assisted Evolutionary Neural Architecture Search. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 35, 10225-10237.	9.1	0
70	A multistage graph-based autoencoder network with global-local features for hyperspectral unmixing. International Journal of Remote Sensing, 2025, 46, 3709-3735.	2.5	2
71	Heterogeneous Riemannian Few-Shot Learning Network. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 16507-16520.	9.5	1
72	Change Knowledge-Guided Vision-Language Remote Sensing Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	2

#	ARTICLE	IF	CITATIONS
73	FAFormer: Frequency-Analysis-Based Transformer Focusing on Correlation and Specificity for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	2
74	Boosting Generalization of Semantic Segmentation With Unseen Style Seeking-Based Meta-Learning. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 16113-16127.	9.5	0
75	Tracking Like Human: Dynamic Scene Learning Reasoning Tracker in Satellite Videos. IEEE Transactions on Multimedia, 2025, 27, 6182-6197.	7.6	0
76	Graph-Based Adaptive Network With Spatial-Spectral Features for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 12865-12881.	4.7	2
77	VLPA-CLIP: Video Language Prompting and Adapting CLIP for efficient video action recognition. Pattern Recognition, 2025, 168, 111770.	7.1	3
78	Complex Dual-Tree Pyramid Scattering Transformer. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 15881-15895.	9.5	0
79	Visible-infrared person re-identification with region-based augmentation and cross modality attention. Scientific Reports, 2025, 15, .	3.4	3
80	Remote Sensing Video Tracking: Current Status, Challenges, and Future. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 14338-14367.	4.7	5
81	Sample-Level Improved Cross-Source Contrastive Learning for PAN and MS Joint Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	2
82	DASCE: Long-Tailed Data Augmentation Based Sparse Class-Correlation Exploitation. IEEE Transactions on Knowledge and Data Engineering, 2025, 37, 4497-4511.	6.7	0
83	LSCF: Long-Term Semantic-Guidance ConvFormer for Referring Remote Sensing Image Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	1
84	Chain-of-Situation Aware Progressive Inference Learning. IEEE Transactions on Neural Networks and Learning Systems, 2025, 36, 19024-19038.	9.5	0
85	RRSECS: Referring remote sensing expression comprehension and segmentation. IEEE Geoscience and Remote Sensing Magazine, 2025, 13, 440-467.	8.2	0
86	Visual-Language Scene-Relation-Aware Zero-Shot Captioner. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2025, 47, 8725-8739.	11.2	1
87	QD-MSA : A quantum distributed tensor network framework for multimodal sentiment analysis. Information Fusion, 2025, 124, 103404.	15.8	1
88	Noise-to-Abundance Translation: Unsupervised Hyperspectral Unmixing Based on Diffusion Models. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-18.	6.4	0
89	Burden-Free Distillation From Foundation Model for Efficient Remote Sensing Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	1
90	Scale- and Shape-Aware Network With Prediction Decoupling for Building Fine-Grained Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-12.	6.4	1

#	ARTICLE	IF	CITATIONS
91	A Novel Transformer-KAN Network Utilizes Multimodality Contrastive Learning and Mask Reconstruction for Remote Sensing Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-16.	6.4	0
92	Curriculum Preview and Review Based on Knowledge Distillation for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 18165-18180.	4.7	0
93	SuperCoT-X: Masked Hyperspectral Image Modeling With Diverse Superpixel-Level Contrastive Tokenizer. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 17988-18004.	4.7	0
94	VJNet: A Simple Variational Joint Discrimination Network for Cross-Image Hyperspectral Anomaly Detection. Remote Sensing, 2025, 17, 2438.	3.7	2
95	Deep Geospatio-Semantic Guided Network With Pseudo-Label Consistency for Domain-Adaptive Remote Sensing Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-17.	6.4	0
96	KCI-Net: Knowledge-Based Contourlet Inference Network for Super-Resolution. IEEE Transactions on Circuits and Systems for Video Technology, 2025, 36, 579-595.	9.1	0
97	Beyond Single Pixel: Context Priors Guided Semi-Supervised Building Footprint Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	0
98	Few-Shot Hyperspectral Image Classification Based on Prototype Mask Contrast and Cross-Stage Feature Refinement. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-18.	6.4	0
99	Source-Free Cross-Domain Scene Classification of Remote Sensing Images via Statistics Matching and Noise Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	1
100	Jamming Signal Power Detection Based on Masked Convolutional Encoder-Decoder Network. IEEE Transactions on Cognitive Communications and Networking, 2025, 12, 2146-2160.	5.2	0
101	Interpretable Fine-Grained Aircraft Classification Network for Remote Sensing Image With Image Pair Interaction and Neural Tree. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-16.	6.4	0
102	Fine-Grained Visual-Language Alignment for Remote Sensing Image-Text Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-14.	6.4	3
103	Pseudo Label Learning for Partial Point Cloud Registration. IEEE Transactions on Visualization and Computer Graphics, 2025, 31, 10421-10438.	2.8	0
104	Video diffusion generation: comprehensive review and open problems. Artificial Intelligence Review, 2025, 58, .	11.0	1
105	Visual-Grounded Hierarchical Perception for Remote Sensing Visual Question Answering. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-14.	6.4	0
106	ERFC: Energy-Aware Reinforcement Feedback Calibration for Zero-shot Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2025, , 1-1.	9.1	1
107	Cascaded Hierarchical Attention with Adaptive Fusion for Visual Grounding in Remote Sensing. Remote Sensing, 2025, 17, 2930.	3.7	0
108	State-Space Model Meets Linear Attention: A Hybrid Architecture for Internal Wave Segmentation. Remote Sensing, 2025, 17, 2969.	3.7	0

#	ARTICLE	IF	CITATIONS
109	Dynamic Common and Unique Feature Fusion Network for Hyperspectral and LiDAR Data Classification. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-13.	6.4	0
110	Multiscale Knowledge Distillation-Aware Classification for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2025, 63, 1-15.	6.4	0
111	Differential-Guided Unsupervised Learning for SAR Image Change Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2025, 18, 23242-23255.	4.7	0
112	AFLNet: Auxiliary Feature Learning-Guided Cross-Channel Automatic Modulation Classification. IEEE Transactions on Communications, 2025, 73, 13519-13534.	6.2	0
113	Vision-by-prompt: Context-aware dual prompts for composed video retrieval. Pattern Recognition, 2025, 172, 112378.	7.1	0
114	Contrastive Learning-Based Dual Dynamic GCN for SAR Image Scene Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 390-404.	9.5	33
115	Dual-Graph Global and Local Concept Factorization for Data Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 803-816.	9.5	12
116	Self-Supervised Self-Organizing Clustering Network: A Novel Unsupervised Representation Learning Method. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1857-1871.	9.5	40
117	ReCNAS: Resource-Constrained Neural Architecture Search Based on Differentiable Annealing and Dynamic Pruning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2805-2819.	9.5	19
118	A Concurrent Multiscale Detector for End-to-End Image Matching. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3560-3574.	9.5	7
119	Evolutionary Dual-Stream Transformer. IEEE Transactions on Cybernetics, 2024, 54, 2166-2178.	10.0	5
120	Multi-View Subspace Clustering via Structured Multi-Pathway Network. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 7244-7250.	9.5	44
121	AUD-Net: A Unified Deep Detector for Multiple Hyperspectral Image Anomaly Detection via Relation and Few-Shot Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 6835-6849.	9.5	30
122	Semi-Supervised Multiscale Dynamic Graph Convolution Network for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 6806-6820.	9.5	92
123	Multiscale Dynamic Curvelet Scattering Network. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 7999-8012.	9.5	8
124	Achieving Better Category Separability for Hyperspectral Image Classification: A Spatial-Spectral Approach. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 9621-9635.	9.5	28
125	Robust and Effective: A Deep Matrix Factorization Framework for Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 9958-9969.	9.5	3
126	Bi-Level Multiobjective Evolutionary Learning: A Case Study on Multitask Graph Neural Topology Search. IEEE Transactions on Evolutionary Computation, 2024, 28, 208-222.	7.2	9

#	ARTICLE	IF	CITATIONS
127	An Adaptive Migration Collaborative Network for Multimodal Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 10935-10949.	9.5	14
128	A Quantum Evolutionary Learning Tracker for Video. IEEE Transactions on Evolutionary Computation, 2024, 28, 418-431.	7.2	10
129	A Patch Diversity Transformer for Domain Generalized Semantic Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 14138-14150.	9.5	13
130	Separating Noisy Samples From Tail Classes for Long-Tailed Image Classification With Label Noise. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 16036-16048.	9.5	22
131	Select, Purify, and Exchange: A Multisource Unsupervised Domain Adaptation Method for Building Extraction. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 16091-16105.	9.5	18
132	Explore the Influence of Shallow Information on Point Cloud Registration. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 15251-15263.	9.5	10
133	Feature Distribution Representation Learning Based on Knowledge Transfer for Long-Tailed Classification. IEEE Transactions on Multimedia, 2024, 26, 2772-2784.	7.6	19
134	Bio-Inspired Multi-Scale Contourlet Attention Networks. IEEE Transactions on Multimedia, 2024, 26, 2824-2837.	7.6	6
135	Learning consensus-aware semantic knowledge for remote sensing image captioning. Pattern Recognition, 2024, 145, 109893.	7.1	33
136	A Fast Evolutionary Knowledge Transfer Search for Multiscale Deep Neural Architecture. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 17450-17464.	9.5	5
137	A Complex-Former Tracker With Dynamic Polar Spatio-Temporal Encoding. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 17344-17358.	9.5	10
138	Localizing From Classification: Self-Directed Weakly Supervised Object Localization for Remote Sensing Images. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 17935-17949.	9.5	14
139	Multiresolution Interpretable Contourlet Graph Network for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 17716-17729.	9.5	1
140	MBSI-Net: Multimodal Balanced Self-Learning Interaction Network for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 3819-3833.	9.1	16
141	Gradient Correction for White-Box Adversarial Attacks. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 18419-18430.	9.5	17
142	Multi-Scale Contourlet Knowledge Guide Learning Segmentation. IEEE Transactions on Multimedia, 2024, 26, 4831-4845.	7.6	13
143	Pseudo-Label-Assisted Subdomain Adaptation for Hyperspectral Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 4729-4744.	9.1	14
144	Hierarchical Dynamic Graph Clustering Network. IEEE Transactions on Knowledge and Data Engineering, 2024, 36, 4722-4735.	6.7	2

#	ARTICLE	IF	CITATIONS
145	Two-Stream Networks for Contrastive Learning in Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 1903-1920.	4.7	12
146	LGLFormer: Local-Global Lifting Transformer for Remote Sensing Scene Parsing. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	8
147	EATDer: Edge-Assisted Adaptive Transformer Detector for Remote Sensing Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	62
148	A Unified Deep Learning Network for Remote Sensing Image Registration and Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-16.	6.4	20
149	Tree-shaped multiobjective evolutionary CNN for hyperspectral image classification. Applied Soft Computing Journal, 2024, 152, 111176.	6.0	24
150	LargeRSDet: A Large Mini-Batch Object Detector for Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	1
151	Multiscale Spatial-Channel Transformer Architecture Search for Remote Sensing Image Change Detection. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	12
152	Weakly supervised object localization via knowledge distillation based on foreground-background contrast. Neurocomputing, 2024, 576, 127213.	5.8	3
153	ESDINet: Efficient Shallow-Deep Interaction Network for Semantic Segmentation of High-Resolution Aerial Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	17
154	Achieving Efficient Feature Representation for Modulation Signal: A Cooperative Contrast Learning Approach. IEEE Internet of Things Journal, 2024, 11, 16196-16211.	6.9	30
155	Adaptively Enhancing Facial Expression Crucial Regions via a Local Non-local Joint Network. Machine Intelligence Research, 2024, 21, 331-348.	6.2	3
156	Continual learning for cross-modal image-text retrieval based on domain-selective attention. Pattern Recognition, 2024, 149, 110273.	7.1	19
157	Intra- and Intersource Interactive Representation Learning Network for Remote Sensing Images Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	11
158	Cross-Domain Scene Unsupervised Learning Segmentation With Dynamic Subdomains. IEEE Transactions on Multimedia, 2024, 26, 6770-6784.	7.6	8
159	Multiple Resolutions Detail Enhancement Network for Real-Time Image Semantic Segmentation. IEEE Transactions on Artificial Intelligence, 2024, 5, 3393-3407.	4.7	7
160	Object Knowledge Distillation for Joint Detection and Tracking in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	9
161	A Multi-Modality Fusion and Gated Multi-Filter U-Net for Water Area Segmentation in Remote Sensing. Remote Sensing, 2024, 16, 419.	3.7	13
162	Satellite Video Object Tracking Based on Location Prompts. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 6253-6264.	9.1	27

#	ARTICLE	IF	CITATIONS
163	$\$C^{\{2\}N^{\{2\}}\$$ : Complex-Valued Contourlet Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 4478-4491.	4.7	2
164	SwinTFNet: Dual-Stream Transformer With Cross Attention Fusion for Land Cover Classification. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	9
165	Model-Based Decomposition Feature Learning With Adversarial Prior. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	0
166	MCDet: Multi-Content Collaboration Detector for Multiscale Remote Sensing Object. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	3
167	Geometric Prior Guided Feature Representation Learning for Long-Tailed Classification. International Journal of Computer Vision, 2024, 132, 2493-2510.	6.1	14
168	MutSimNet: Mutually Reinforcing Similarity Learning for RS Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	9
169	Evolutionary multi-objective overlapping community detection based on fusion of internal and external connectivity and correction of node intimacy. Applied Soft Computing Journal, 2024, 154, 111414.	6.0	12
170	ConVaT: A Variational Generative Transformer With Momentum Contrastive Learning for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	6
171	Class-Aligned and Class-Balancing Generative Domain Adaptation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	66
172	Spatial Pooling Transformer Network and Noise-Tolerant Learning for Noisy Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-19.	6.4	18
173	SSDFL: Spatial scattering decomposition feature learning for PolSAR image. International Journal of Applied Earth Observation and Geoinformation, 2024, 128, 103702.	3.4	1
174	Pixel-to-Abundance Translation: Conditional Generative Adversarial Networks Based on Patch Transformer for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 5734-5749.	4.7	11
175	ECPS: Cross Pseudo Supervision Based on Ensemble Learning for Semi-Supervised Remote Sensing Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	11
176	Multistage Enhancement Network for Tiny Object Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-12.	6.4	38
177	Self Pseudo Entropy Knowledge Distillation for Semi-Supervised Semantic Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 7359-7372.	9.1	10
178	Relation Learning Reasoning Meets Tiny Object Tracking in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-16.	6.4	8
179	Integrating Prior Knowledge and Contrast Feature for Signal Modulation Classification. IEEE Internet of Things Journal, 2024, 11, 21461-21473.	6.9	21
180	Machine Learning-Based Figure of Merit Model of SIPOS Modulated Drift Region for U-MOSFET. Micromachines, 2024, 15, 411.	2.6	1

#	ARTICLE	IF	CITATIONS
181	Deep convolutional encoder-decoder networks based on ensemble learning for semantic segmentation of high-resolution aerial imagery. CCF Transactions on High Performance Computing, 2024, 6, 408-424.	1.1	4
182	Significant Feature Elimination and Sample Assessment for Remote Sensing Small Objects™ Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	16
183	Cross-Scene Classification of Remote Sensing Images Based on General-Specific Prototype Contrastive Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 7986-8002.	4.7	5
184	Robust Instance-Based Semi-Supervised Learning Change Detection for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	14
185	Lighter and Robust: A Rotation-Invariant Transformer for VHR Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-14.	6.4	2
186	An Interpretable Explanation Approach for Signal Modulation Classification. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-13.	3.7	18
187	Multi-task multi-objective evolutionary network for hyperspectral image classification and pansharpening. Information Fusion, 2024, 108, 102383.	15.8	42
188	Token singularity understanding and removal for transformers. Knowledge-Based Systems, 2024, 293, 111718.	7.0	0
189	Efficient LWPooling: Rethinking the Wavelet Pooling for Scene Parsing. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 8481-8493.	9.1	2
190	Decoupled Knowledge Distillation via Spatial Feature Blurring for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 8938-8955.	4.7	10
191	Domain Adaptation-Aware Transformer for Hyperspectral Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 8041-8052.	9.1	38
192	Lightweight and Lifelong Hyperspectral Image Classification via Attention-Based Reservoir Computing. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	1
193	Interactive Spectral-Spatial Transformer for Hyperspectral Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 8589-8601.	9.1	20
194	Self-Supervised Learning Guided by SAR Image Factors for Terrain Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-18.	6.4	7
195	A Knowledge-Based Hierarchical Causal Inference Network for Video Action Recognition. IEEE Transactions on Multimedia, 2024, 26, 9135-9149.	7.6	14
196	Visual interpretable MRI fine grading of meniscus injury for intelligent assisted diagnosis and treatment. Npj Digital Medicine, 2024, 7, .	10.4	17
197	Enhancing Remote Sensing Visual Question Answering: A Mask-Based Dual-Stream Feature Mutual Attention Network. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	7
198	DynamicKD: An effective knowledge distillation via dynamic entropy correction-based distillation for gap optimizing. Pattern Recognition, 2024, 153, 110545.	7.1	8

#	ARTICLE	IF	CITATIONS
199	A Category-Aware Curriculum Learning for Data-Free Knowledge Distillation. IEEE Transactions on Multimedia, 2024, 26, 9603-9618.	7.6	5
200	Advancing Oncology Diagnostics: AI-Enabled Early Detection of Lung Cancer Through Hybrid Histological Image Analysis. IEEE Access, 2024, 12, 64396-64415.	3.0	38
201	Fast and Effective: Progressive Hierarchical Fusion Classification for Remote Sensing Images. IEEE Transactions on Multimedia, 2024, 26, 9776-9789.	7.6	9
202	Balanced quantum neural architecture search. Neurocomputing, 2024, 594, 127860.	5.8	4
203	Large-Scale Fine-Grained Building Classification and Height Estimation for Semantic Urban Reconstruction: Outcome of the 2023 IEEE GRSS Data Fusion Contest. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 11194-11207.	4.7	9
204	CFDRM: Coarse-to-Fine Dynamic Refinement Model for Weakly Supervised Moving Vehicle Detection in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	14
205	Multi-Grained Gradual Inference Model for Multimedia Event Extraction. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 10507-10520.	9.1	10
206	NRENet: Neighborhood removal-and-emphasis network for ship detection in SAR Images. International Journal of Applied Earth Observation and Geoinformation, 2024, 131, 103927.	3.4	10
207	A Multitask Framework for Hyperspectral Change Detection and Band Reweighting With Unbalanced Contrastive Learning. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	18
208	Multi-agent deep reinforcement learning for hyperspectral band selection with hybrid teacher guide. Knowledge-Based Systems, 2024, 299, 112044.	7.0	9
209	Effective and Robust: A Discriminative Temporal Learning Transformer for Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-16.	6.4	3
210	MGC: MLP-Guided CNN Pretraining Using a Small-Scale Dataset for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	1
211	D3R-Net: Denoising Diffusion-Based Defense Restore Network for Adversarial Defense in Remote Sensing Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-14.	6.4	2
212	SigDA: A Superimposed Domain Adaptation Framework for Automatic Modulation Classification. IEEE Transactions on Wireless Communications, 2024, 23, 13159-13172.	8.3	17
213	Cross-Domain Classification Based on Frequency Component Adaptation for Remote Sensing Images. Remote Sensing, 2024, 16, 2134.	3.7	8
214	AutoSMC: An Automated Machine Learning Framework for Signal Modulation Classification. IEEE Transactions on Information Forensics and Security, 2024, 19, 6225-6236.	6.3	11
215	Knowledge Guided Evolutionary Transformer for Remote Sensing Scene Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 10368-10384.	9.1	12
216	MCLHN: Toward Automatic Modulation Classification via Masked Contrastive Learning With Hard Negatives. IEEE Transactions on Wireless Communications, 2024, 23, 14304-14319.	8.3	14

#	ARTICLE	IF	CITATIONS
217	Multi-modal visual tracking based on textual generation. Information Fusion, 2024, 112, 102531.	15.8	14
218	Ternary Modality Contrastive Learning for Hyperspectral and LiDAR Data Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	16
219	An efficient Transformer with neighborhood contrastive tokenization for hyperspectral images classification. International Journal of Applied Earth Observation and Geoinformation, 2024, 131, 103979.	3.4	7
220	ConvGRU-Based Multiscale Frequency Fusion Network for PAN-MS Joint Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	8
221	Mask-Guided Correlation Learning for Few-Shot Segmentation in Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-14.	6.4	16
222	Few-Shot MS and PAN Joint Classification With Improved Cross-Source Contrastive Learning. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	10
223	Advanced Deep Learning Models for 6G: Overview, Opportunities, and Challenges. IEEE Access, 2024, 12, 133245-133314.	3.0	59
224	FDLdet: A Change Detector Based on Forward Dictionary Learning for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-14.	6.4	2
225	Satellite Videos Object Tracking Based on Enhanced Correlation Filter With Motion Prediction Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 12123-12137.	4.7	6
226	QEA-QCNN: optimization of quantum convolutional neural network architecture based on quantum evolution. Memetic Computing, 2024, 16, 233-254.	2.2	6
227	High-Low-Frequency Progressive-Guided Diffusion Model for PAN and MS Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-14.	6.4	7
228	Nature-Inspired Intelligent Computing: A Comprehensive Survey. Research, 2024, 7, .	8.0	24
229	Multiple Information Collaborative Fusion Network for Joint Classification of Hyperspectral and LiDAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-16.	6.4	13
230	Oversampling-Based Imbalanced Signal Modulation Classification via Cosine Distance and Distribution. IEEE Internet of Things Journal, 2024, 11, 33657-33670.	6.9	9
231	Multi-View Feature Fusion and Visual Prompt for Remote Sensing Image Captioning. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	9
232	Visual and Language Collaborative Learning for RGBT Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 12770-12781.	9.1	16
233	A Graph Association Motion-Aware Tracker for Tiny Object in Satellite Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 12907-12922.	9.1	2
234	Renormalized Connection for Scale-Preferred Object Detection in Satellite Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-23.	6.4	1

#	ARTICLE	IF	CITATIONS
235	Adaptive Multi-Scale Transformer Tracker for Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-16.	6.4	3
236	Heterogeneous Network-Based Contrastive Learning Method for PolSAR Land Cover Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 16433-16448.	4.7	6
237	A Semantically Nonredundant Continuous-Scale Feature Network for Panchromatic and Multispectral Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	10
238	Causal Inference Meets Deep Learning: A Comprehensive Survey. Research, 2024, 7, .	8.0	48
239	ASIPNet: Orientation-Aware Learning Object Detection for Remote Sensing Images. Remote Sensing, 2024, 16, 2992.	3.7	3
240	High-Order Relation Learning Transformer for Satellite Video Object Tracking. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	4
241	AI meets physics: a comprehensive survey. Artificial Intelligence Review, 2024, 57, .	11.0	33
242	A Scalable Target Orientation Detection Method for Remote Sensing Images Based on Improved YOLOX Algorithm. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.2	0
243	ASF-LKUNet: Adjacent-scale fusion U-Net with large kernel for multi-organ segmentation. Computers in Biology and Medicine, 2024, 181, 109050.	6.3	5
244	Subpixel Feature Pyramid Network for Multiscale Ship Detection in Synthetic Aperture Radar Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 15583-15595.	4.7	7
245	MGPACNet: A Multiscale Geometric Prior Aware Cross-Modal Network for Images Fusion Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	5
246	Globally-Aware Continuous-Time Redistribution Learning for RS Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	3
247	Adaptive Feature Separation Network for Remote Sensing Object Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	7
248	MSRIP-Net: Addressing Interpretability and Accuracy Challenges in Aircraft Fine-Grained Recognition of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	3
249	F3Net: Adaptive Frequency Feature Filtering Network for Multimodal Remote Sensing Image Registration. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	3
250	Prior-Experience-Based Vision-Language Model for Remote Sensing Image-Text Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	8
251	Contrastive Learning With Context-Augmented Transformer for Change Detection in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 17710-17724.	4.7	10
252	Intertemporal Interaction and Symmetric Difference Learning for Remote Sensing Image Change Captioning. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	8

#	ARTICLE	IF	CITATIONS
253	Multidirectional Attention Fusion Network for SAR Change Detection. Remote Sensing, 2024, 16, 3590.	3.7	2
254	Double-dictionary learning unsupervised feature selection cooperating with low-rank and sparsity. Knowledge-Based Systems, 2024, 304, 112566.	7.0	4
255	TrTr-CMR: Cross-Modal Reasoning Dual Transformer for Remote Sensing Image Captioning. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-12.	6.4	19
256	Expeditious Hyperspectral Image Classification With Inner and Outer Layered Transformer Using Feature Enhancement. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 19361-19379.	4.7	1
257	Rebalancing Gaussian Location Loss for High-Precision Detection on Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-12.	6.4	0
258	Mask-Enhanced Contrastive Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-15.	6.4	4
259	High-Resolution Remote Sensing Image Segmentation With Global-Guided Normalization and Local Affinity Distillation. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-12.	6.4	6
260	Hierarchical Knowledge Graph for Multilabel Classification of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-14.	6.4	6
261	Enhanced Radar Anti-Jamming With Multi-Agent Reinforcement Learning. IEEE Signal Processing Letters, 2024, 31, 3114-3118.	3.1	4
262	EDWNet: A Novel Encoder-Decoder Architecture Network for Water Body Extraction from Optical Images. Remote Sensing, 2024, 16, 4275.	3.7	7
263	Transcending Fusion: A Multiscale Alignment Method for Remote Sensing Image-Text Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	17
264	Cross-Dataset Model Training for Hyperspectral Image Classification Using Self-Supervised Learning. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.4	9
265	LM-Net: A Lightweight Matching Network for Remote Sensing Image Matching and Registration. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.4	4
266	Learning Social Spatio-Temporal Relation Graph in the Wild and a Video Benchmark. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2951-2964.	9.5	11
267	Achieving Reliable Intervehicle Positioning Based on Redheffer Weighted Least Squares Model Under Multi-GNSS Outages. IEEE Transactions on Cybernetics, 2023, 53, 1039-1050.	10.0	21
268	Sparsity-Regularized Attention Multiple-Instance Network for Hyperspectral Target Detection. IEEE Transactions on Cybernetics, 2023, 53, 124-137.	10.0	20
269	Multiscale Curvelet Scattering Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3665-3679.	9.5	20
270	Understanding Private Car Aggregation Effect via Spatio-Temporal Analysis of Trajectory Data. IEEE Transactions on Cybernetics, 2023, 53, 2346-2357.	10.0	164

#	ARTICLE	IF	CITATIONS
271	A Universal Quaternion Hypergraph Network for Multimodal Video Question Answering. IEEE Transactions on Multimedia, 2023, 25, 38-49.	7.6	26
272	A Multi-Scale Progressive Collaborative Attention Network for Remote Sensing Fusion Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3897-3911.	9.5	35
273	Multiscale Representation Learning for Image Classification: A Survey. IEEE Transactions on Artificial Intelligence, 2023, 4, 23-43.	4.7	41
274	RDLNet: A Regularized Descriptor Learning Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5669-5681.	9.5	9
275	Deep Learning in Visual Tracking: A Review. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5497-5516.	9.5	78
276	Adversarial Multiview Clustering Networks With Adaptive Fusion. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7635-7647.	9.5	61
277	Local Community Detection Algorithm Based on Alternating Strategy of Strong Fusion and Weak Fusion. IEEE Transactions on Cybernetics, 2023, 53, 818-831.	10.0	17
278	Fast and Effective: A Novel Sequential Single-Path Search for Mixed-Precision-Quantized Networks. IEEE Transactions on Cybernetics, 2023, 53, 6187-6199.	10.0	14
279	A Collaborative Learning Tracking Network for Remote Sensing Videos. IEEE Transactions on Cybernetics, 2023, 53, 1954-1967.	10.0	24
280	Weakly-Supervised Semantic Feature Refinement Network for MMW Concealed Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 1363-1373.	9.1	13
281	Automated Design of Metaheuristics Using Reinforcement Learning Within a Novel General Search Framework. IEEE Transactions on Evolutionary Computation, 2023, 27, 1072-1084.	7.2	60
282	Graph Representation Learning Meets Computer Vision: A Survey. IEEE Transactions on Artificial Intelligence, 2023, 4, 2-22.	4.7	67
283	DFAT: Dynamic Feature-Adaptive Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 43-58.	9.1	11
284	Learning Salient Feature for Salient Object Detection Without Labels. IEEE Transactions on Cybernetics, 2023, 53, 1012-1025.	10.0	17
285	Dual Wavelet Attention Networks for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 1899-1910.	9.1	59
286	Unsupervised feature selection via discrete spectral clustering and feature weights. Neurocomputing, 2023, 517, 106-117.	5.8	18
287	Stable and compact face recognition via unlabeled data driven sparse representation-based classification. Signal Processing: Image Communication, 2023, 111, 116889.	2.3	6
288	Attribute community detection based on latent representation learning and graph regularized non-negative matrix factorization. Applied Soft Computing Journal, 2023, 133, 109932.	6.0	19

#	ARTICLE	IF	CITATIONS
289	Generalized few-shot object detection in remote sensing images. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 195, 353-364.	11.3	108
290	MR-Selection: A Meta-Reinforcement Learning Approach for Zero-Shot Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-20.	6.4	46
291	CSANet: Cross-Scale Axial Attention Network for Road Segmentation. Remote Sensing, 2023, 15, 3.	3.7	14
292	Hierarchical Feature Fusion and Selection for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.2	7
293	Bidirectional Multiple Object Tracking Based on Trajectory Criteria in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.4	18
294	A Spatial Hierarchical Reasoning Network for Remote Sensing Visual Question Answering. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.4	26
295	$\$D^{\{3\}K\$}$ : Dynastic Data-Free Knowledge Distillation. IEEE Transactions on Multimedia, 2023, 25, 8358-8371.	7.6	8
296	Semi-supervised feature learning for disjoint hyperspectral imagery classification. Neurocomputing, 2023, 526, 9-18.	5.8	15
297	Automated algorithm design using proximal policy optimisation with identified features. Expert Systems With Applications, 2023, 216, 119461.	7.3	15
298	Deep radio signal clustering with interpretability analysis based on saliency map. Digital Communications and Networks, 2023, 10, 1448-1458.	4.8	10
299	Multi-Source Interactive Stair Attention for Remote Sensing Image Captioning. Remote Sensing, 2023, 15, 579.	3.7	24
300	A Novel Deep Nearest Neighbor Neural Network for Few-Shot Remote Sensing Image Scene Classification. Remote Sensing, 2023, 15, 666.	3.7	13
301	SAGN: Semantic-Aware Graph Network for Remote Sensing Scene Classification. IEEE Transactions on Image Processing, 2023, 32, 1011-1025.	9.5	66
302	MOL: Towards accurate weakly supervised remote sensing object detection via Multi-view nOisy Learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 196, 457-470.	11.3	32
303	Unsupervised SAR Image Change Detection Based on Feature Fusion of Information Transfer. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.2	21
304	Brain-Inspired Remote Sensing Interpretation: A Comprehensive Survey. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 2992-3033.	4.7	38
305	Visual explanations with detailed spatial information for remote sensing image classification via channel saliency. International Journal of Applied Earth Observation and Geoinformation, 2023, 118, 103244.	3.4	4
306	Robust dual-graph discriminative NMF for data classification. Knowledge-Based Systems, 2023, 268, 110465.	7.0	16

#	ARTICLE	IF	CITATIONS
307	Adaptive graph regularization and self-expression for noise-aware feature selection. <i>Neurocomputing</i> , 2023, 535, 107-122.	5.8	8
308	Large-scale community detection based on core node and layer-by-layer label propagation. <i>Information Sciences</i> , 2023, 632, 1-18.	6.3	48
309	RSBNet: One-shot neural architecture search for a backbone network in remote sensing image recognition. <i>Neurocomputing</i> , 2023, 537, 110-127.	5.8	14
310	A multimodal hyper-fusion transformer for remote sensing image classification. <i>Information Fusion</i> , 2023, 96, 66-79.	15.8	48
311	Semantic modeling of hyperspectral target detection with weak labels. <i>Signal Processing</i> , 2023, 209, 109016.	3.3	10
312	Curvelet Adversarial Augmented Neural Network for SAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-17.	6.4	5
313	A Multi-Transformation Evolutionary Framework for Influence Maximization in Social Networks. <i>IEEE Computational Intelligence Magazine</i> , 2023, 18, 52-67.	2.4	25
314	Remote Sensing Image Change Detection Based on Deep Multi-Scale Multi-Attention Siamese Transformer Network. <i>Remote Sensing</i> , 2023, 15, 842.	3.7	52
315	Transformer Based Conditional GAN for Multimodal Image Fusion. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 8988-9001.	7.6	61
316	Adaptive Self-Supervised SAR Image Registration With Modifications of Alignment Transformation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-15.	6.4	7
317	Automatic Modulation Classification via Meta-Learning. <i>IEEE Internet of Things Journal</i> , 2023, 10, 12276-12292.	6.9	79
318	SDANet: Semantic-Embedded Density Adaptive Network for Moving Vehicle Detection in Satellite Videos. <i>IEEE Transactions on Image Processing</i> , 2023, 32, 1788-1801.	9.5	43
319	Improved Bilinear Pooling With Pseudo Square-Rooted Matrix. <i>IEEE Signal Processing Letters</i> , 2023, 30, 423-427.	3.1	4
320	An Explainable Spatial-Frequency Multiscale Transformer for Remote Sensing Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-15.	6.4	38
321	SSCFNet: A Spatial-Spectral Cross Fusion Network for Remote Sensing Change Detection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2023, 16, 4000-4012.	4.7	15
322	Multi-teacher knowledge distillation based on joint Guidance of Probe and Adaptive Corrector. <i>Neural Networks</i> , 2023, 164, 345-356.	5.8	15
323	Which Target to Focus on: Class-Perception for Semantic Segmentation of Remote Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-13.	6.4	12
324	Weak-to-Strong Consistency Learning for Semisupervised Image Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-15.	6.4	36

#	ARTICLE	IF	CITATIONS
325	Interacting-Enhancing Feature Transformer for Cross-Modal Remote-Sensing Image and Text Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.4	47
326	MidNet: An Anchor-and-Angle-Free Detector for Oriented Ship Detection in Aerial Images. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.4	22
327	MFGNet: Multibranch Feature Generation Networks for Few-Shot Remote Sensing Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.4	9
328	Community evolution prediction based on a self-adaptive timeframe in social networks. Knowledge-Based Systems, 2023, 275, 110687.	7.0	7
329	Multi-Class Double-Transformation Network for SAR Image Registration. Remote Sensing, 2023, 15, 2927.	3.7	4
330	Task context transformer and GCN for few-shot learning of cross-domain. Neurocomputing, 2023, 548, 126433.	5.8	13
331	CCNR: Cross-regional context and noise regularization for SAR image segmentation. International Journal of Applied Earth Observation and Geoinformation, 2023, 121, 103363.	3.4	6
332	Semantic Correntropy Representation for Hyperspectral Image Classification. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-13.	3.7	3
333	Contrastive Self-Supervised Clustering for Specific Emitter Identification. IEEE Internet of Things Journal, 2023, 10, 20803-20818.	6.9	46
334	SDCDNet: A Semi-Dual Change Detection Network Framework With Super-Weak Label for Remote Sensing Image. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.4	15
335	Dual-Branch Spectral Spatial Adversarial Representation Learning for Hyperspectral Image Classification With Few Labeled Samples. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1-15.	4.7	6
336	Knowledge transfer evolutionary search for lightweight neural architecture with dynamic inference. Pattern Recognition, 2023, 143, 109790.	7.1	11
337	Reg-Superpixel Guided Convolutional Neural Network of PolSAR Image Classification Based on Feature Selection and Receptive Field Reconstruction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 4312-4327.	4.7	11
338	Efficient and Robust: A Cross-Modal Registration Deep Wavelet Learning Method for Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 4739-4754.	4.7	18
339	EPT-Net: Edge Perception Transformer for 3D Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2023, 42, 3229-3243.	7.6	40
340	Transformer Meets Remote Sensing Video Detection and Tracking: A Comprehensive Survey. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1-45.	4.7	46
341	Multipretext-Task Prototypes Guided Dynamic Contrastive Learning Network for Few-Shot Remote Sensing Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.4	18
342	Dual-View Hyperspectral Anomaly Detection via Spatial Consistency and Spectral Unmixing. Remote Sensing, 2023, 15, 3330.	3.7	5

#	ARTICLE	IF	CITATIONS
343	Precise crop classification of UAV hyperspectral imagery using kernel tensor slice sparse coding based classifier. <i>Neurocomputing</i> , 2023, 551, 126487.	5.8	11
344	Contrastive Learning Based on Multiscale Hard Features for Remote-Sensing Image Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-13.	6.4	14
345	High-Quality Angle Prediction for Oriented Object Detection in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-14.	6.4	11
346	Triple Contrastive Representation Learning for Hyperspectral Image Classification With Noisy Labels. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-16.	6.4	19
347	Evolutionary architecture search via adaptive parameter control and gene potential contribution. <i>Swarm and Evolutionary Computation</i> , 2023, 82, 101354.	7.8	7
348	Automatic Aug-Aware Contrastive Proposal Encoding for Few-Shot Object Detection of Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-11.	6.4	11
349	WNet: W-Shaped Hierarchical Network for Remote-Sensing Image Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-14.	6.4	91
350	Cross-Modal Contrastive Learning for Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-13.	6.4	32
351	CAST: A Cascade Spectral-Aware Transformer for Hyperspectral Image Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-14.	6.4	18
352	Complete Rotated Localization Loss Based on Super-Gaussian Distribution for Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-14.	6.4	6
353	Spectral-Spatial Distribution Consistent Network Based on Meta-Learning for Cross-Domain Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-15.	6.4	12
354	A Novel Coarse-to-Fine Deep Learning Registration Framework for Multimodal Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-16.	6.4	25
355	Gaussian Synthesis for High-Precision Location in Oriented Object Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-12.	6.4	10
356	EQNAS: Evolutionary Quantum Neural Architecture Search for Image Classification. <i>Neural Networks</i> , 2023, 168, 471-483.	5.8	28
357	Siamese Multi-Scale Adaptive Search Network for Remote Sensing Single-Object Tracking. <i>Remote Sensing</i> , 2023, 15, 4359.	3.7	2
358	Multisource Joint Representation Learning Fusion Classification for Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-14.	6.4	25
359	Boundary-Aware Multiscale Learning Perception for Remote Sensing Image Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-15.	6.4	17
360	Cosine Multilinear Principal Component Analysis for Recognition. <i>IEEE Transactions on Big Data</i> , 2023, 9, 1620-1630.	3.9	5

#	ARTICLE	IF	CITATIONS
361	An Improved Neural Network Classification Algorithm by Expanding Training Samples for Polarimetric SAR Application. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.4	2
362	Multi-Complementary Generative Adversarial Networks With Contrastive Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-18.	6.4	34
363	Transformer-Based Masked Autoencoder With Contrastive Loss for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-12.	6.4	50
364	Brain-Inspired Remote Sensing Foundation Models and Open Problems: A Comprehensive Survey. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 10084-10120.	4.7	27
365	Semantics and Contour Based Interactive Learning Network for Building Footprint Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.4	6
366	A Novel Discriminative Enhancement Method for Few-Shot Remote Sensing Image Scene Classification. Remote Sensing, 2023, 15, 4588.	3.7	2
367	SSMU-Net: A Style Separation and Mode Unification Network for Multimodal Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.4	12
368	Discrepant Bi-Directional Interaction Fusion Network for Hyperspectral and LiDAR Data Classification. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.2	11
369	Quantifying Actionability: Evaluating Human-Recipient Models. IEEE Access, 2023, 11, 119811-119823.	3.0	1
370	CSLT: Contourlet-Based Siamese Learning Tracker for Dim and Small Targets in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.4	9
371	Kernel Tensor Sparse Coding Model for Precise Crop Classification of UAV Hyperspectral Image. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.2	9
372	Remote Sensing Object Detection Meets Deep Learning: A metareview of challenges and advances. IEEE Geoscience and Remote Sensing Magazine, 2023, 11, 8-44.	8.2	106
373	Incremental Land Cover Classification via Label Strategy and Adaptive Weights. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.4	3
374	Multicue Contrastive Self-Supervised Learning for Change Detection in Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.4	9
375	Self-Supervised Learning With Learnable Sparse Contrastive Sampling for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.4	7
376	GeoFormer: A Geometric Representation Transformer for Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-17.	6.4	23
377	Hyperspectral Image Classification Using Geometric Spatial-Spectral Feature Integration: A Class Incremental Learning Approach. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.4	14
378	Unsupervised Prototype-Wise Contrastive Learning for Domain Adaptive Semantic Segmentation in Remote Sensing Image. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.4	17

#	ARTICLE	IF	CITATIONS
379	A Dual-Stream Transformer With Diff-Attention for Multispectral and Panchromatic Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.4	7
380	A Spatial-Spectral Bilinear Representation Fusion Network for Multimodal Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-17.	6.4	5
381	Global Shapes and Salient Joints Features Learning for Skeleton-Based Action Recognition. IEEE Signal Processing Letters, 2023, 31, 206-210.	3.1	6
382	Simple and Effective: Spatial Rescaling for Person Reidentification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 145-156.	9.5	25
383	Dynamic Immunization Node Model for Complex Networks Based on Community Structure and Threshold. IEEE Transactions on Cybernetics, 2022, 52, 1539-1552.	10.0	22
384	A Novel Adaptive Hybrid Fusion Network for Multiresolution Remote Sensing Images Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	27
385	Element-Wise Feature Relation Learning Network for Cross-Spectral Image Patch Matching. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3372-3386.	9.5	12
386	Remote Sensing Image Super-Resolution via Dual-Resolution Network Based on Connected Attention Mechanism. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.4	22
387	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.	6.4	96
388	Semantic Attention and Scale Complementary Network for Instance Segmentation in Remote Sensing Images. IEEE Transactions on Cybernetics, 2022, 52, 10999-11013.	10.0	40
389	A Lightweight Spectral-Spatial Convolution Module for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.2	40
390	Hyperspectral Image Classification Based on Deep Attention Graph Convolutional Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	80
391	Dual-Channel Capsule Generation Adversarial Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	46
392	Foreground Refinement Network for Rotated Object Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.4	24
393	SAR Image Segmentation Based on Constrained Smoothing and Hierarchical Label Correction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	17
394	Network Pruning for Remote Sensing Images Classification Based on Interpretable CNNs. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	25
395	Polarimetric Multipath Convolutional Neural Network for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.4	34
396	New Generation Deep Learning for Video Object Detection: A Survey. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3195-3215.	9.5	191

#	ARTICLE	IF	CITATIONS
397	Deep Mutual-Teaching for Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.2	1
398	GAFnet: Group Attention Fusion Network for PAN and MS Image High-Resolution Classification. IEEE Transactions on Cybernetics, 2022, 52, 10556-10569.	10.0	45
399	Recurrent Attention and Semantic Gate for Remote Sensing Image Captioning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	52
400	Deep Reinforcement Learning for Semisupervised Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.4	54
401	Dual-Collaborative Fusion Model for Multispectral and Panchromatic Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	16
402	A Hybrid Network With Structural Constraints for SAR Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	8
403	Background Representation Learning With Structural Constraint for Hyperspectral Anomaly Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.2	3
404	N-Cluster Loss and Hard Sample Generative Deep Metric Learning for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	4
405	Laplacian Feature Pyramid Network for Object Detection in VHR Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.4	48
406	Spectral Partitioning Residual Network With Spatial Attention Mechanism for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.4	64
407	MBLT: Learning Motion and Background for Vehicle Tracking in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	32
408	Few-shot electromagnetic signal classification: A data union augmentation method. Chinese Journal of Aeronautics, 2022, 35, 49-57.	4.7	39
409	Nonoverlapped Sampling for Hyperspectral Imagery: Performance Evaluation and a Cotraining-Based Classification Strategy. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.4	5
410	Remote Sensing Object Tracking With Deep Reinforcement Learning Under Occlusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.4	35
411	Multitask Semantic Boundary Awareness Network for Remote Sensing Image Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.4	71
412	AR2Det: An Accurate and Real-Time Rotational One-Stage Ship Detector in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.4	23
413	DPFL-Nets: Deep Pyramid Feature Learning Networks for Multiscale Change Detection. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6402-6416.	9.5	60
414	A Multiscale Self-Attention Deep Clustering for Change Detection in SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	31

#	ARTICLE	IF	CITATIONS
415	Deep Multiview Union Learning Network for Multisource Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 4534-4546.	10.0	54
416	Two-Stream Spatial-Temporal Graph Convolutional Networks for Driver Drowsiness Detection. IEEE Transactions on Cybernetics, 2022, 52, 13821-13833.	10.0	73
417	Class Incremental Learning With Few-Shots Based on Linear Programming for Hyperspectral Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 5474-5485.	10.0	59
418	Object Detection in Large-Scale Remote-Sensing Images Based on Time-Frequency Analysis and Feature Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	22
419	Local community detection based on higher-order structure and edge information. Physica A: Statistical Mechanics and Its Applications, 2022, 587, 126513.	2.7	41
420	Reconstruction Error-Based Decomposition Feature Selection for PolSAR Image. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.4	4
421	Adaptive Fuzzy Learning Superpixel Representation for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.4	8
422	Feature selection based on non-negative spectral feature learning and adaptive rank constraint. Knowledge-Based Systems, 2022, 236, 107749.	7.0	32
423	Hyperspectral Imagery Classification Based on Contrastive Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.4	103
424	Meta-Hashing for Remote Sensing Image Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.4	33
425	Multi-label semantic feature fusion for remote sensing image captioning. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 184, 1-18.	11.3	27
426	Automatic Graph Learning Convolutional Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	28
427	Feature Split-Merge-Enhancement Network for Remote Sensing Object Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	68
428	Dynamic Graph-Level Neural Network for SAR Image Change Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.2	25
429	Spatial Pooling Graph Convolutional Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	24
430	A Neural Network Based on Consistency Learning and Adversarial Learning for Semisupervised Synthetic Aperture Radar Ship Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	16
431	A Lightweight Top-Down Multi-Person Pose Estimation Method Based on Symmetric Transformation and Global Matching. IEEE Access, 2022, 10, 22112-22122.	3.0	6
432	Few-Shot Hyperspectral Image Classification Based on Adaptive Subspaces and Feature Transformation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	45

#	ARTICLE	IF	CITATIONS
433	Multiobjective Guided Divide-and-Conquer Network for Hyperspectral Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	17
434	Hyperspectral Image Classification Based on Superpixel Feature Subdivision and Adaptive Graph Structure. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	28
435	Heterogeneous Transformer Learning Framework for RS Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2223-2239.	4.7	64
436	Adaptive Contourlet Fusion Clustering for SAR Image Change Detection. IEEE Transactions on Image Processing, 2022, 31, 2295-2308.	9.5	46
437	Max-Index Based Local Self-Similarity Descriptor for Robust Multi-Modal Image Registration. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.2	25
438	Electromagnetic Signal Classification Based on Class Exemplar Selection and Multi-Objective Linear Programming. Remote Sensing, 2022, 14, 1177.	3.7	5
439	SMD-Net: Siamese Multi-Scale Difference-Enhancement Network for Change Detection in Remote Sensing. Remote Sensing, 2022, 14, 1580.	3.7	40
440	Dual Modality Collaborative Learning for Cross-Source Remote Sensing Retrieval. Remote Sensing, 2022, 14, 1319.	3.7	6
441	Parameter selection of Touzi decomposition and a distribution improved autoencoder for PolSAR image classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 186, 246-266.	11.3	14
442	Sparse and low-dimensional representation with maximum entropy adaptive graph for feature selection. Neurocomputing, 2022, 485, 57-73.	5.8	26
443	Lightweight Multilevel Feature Fusion Network for Hyperspectral Image Classification. Remote Sensing, 2022, 14, 79.	3.7	16
444	Sparse Feature Clustering Network for Unsupervised SAR Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.4	26
445	The New Generation Brain-Inspired Sparse Learning: A Comprehensive Survey. IEEE Transactions on Artificial Intelligence, 2022, 3, 887-907.	4.7	29
446	Class-Level Prototype Guided Multiscale Feature Learning for Remote Sensing Scene Classification With Limited Labels. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	20
447	A Collaborative Correlation-Matching Network for Multimodality Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.4	13
448	Self-Distillation Feature Learning Network for Optical and SAR Image Registration. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.4	51
449	Spatial feature-based convolutional neural network for PolSAR image classification. Applied Soft Computing Journal, 2022, 123, 108922.	6.0	45
450	Very Low-Resolution Moving Vehicle Detection in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	19

#	ARTICLE	IF	CITATIONS
451	MANet: Multi-Scale Aware-Relation Network for Semantic Segmentation in Aerial Scenes. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	38
452	A TCAD Study on High-Voltage Superjunction LDMOS with Variable-K Dielectric Trench. Micromachines, 2022, 13, 843.	2.6	4
453	Cluster-Memory Augmented Deep Autoencoder via Optimal Transportation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	26
454	A Joint Siamese Attention-Aware Network for Vehicle Object Tracking in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	24
455	Hyperspectral Image Classification Based on Multiscale Cross-Branch Response and Second-Order Channel Attention. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	21
456	Self-Supervised Assisted Semi-Supervised Residual Network for Hyperspectral Image Classification. Remote Sensing, 2022, 14, 2997.	3.7	33
457	Evolutionary neural architecture search based on evaluation correction and functional units. Knowledge-Based Systems, 2022, 251, 109206.	7.0	30
458	MsmcNet: A Modular Few-Shot Learning Framework for Signal Modulation Classification. IEEE Transactions on Signal Processing, 2022, 70, 3789-3801.	4.3	46
459	A Dual Multi-Head Contextual Attention Network for Hyperspectral Image Classification. Remote Sensing, 2022, 14, 3091.	3.7	22
460	Prob-POS: A Framework for Improving Visual Explanations from Convolutional Neural Networks for Remote Sensing Image Classification. Remote Sensing, 2022, 14, 3042.	3.7	5
461	PolSAR Scene Classification via Low-Rank Constrained Multimodal Tensor Representation. Remote Sensing, 2022, 14, 3117.	3.7	1
462	A dual-stream high resolution network: Deep fusion of GF-2 and GF-3 data for land cover classification. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102896.	3.4	34
463	Feature selection via Non-convex constraint and latent representation learning with Laplacian embedding. Expert Systems With Applications, 2022, 208, 118179.	7.3	31
464	Generative Adversarial Networks Based on Transformer Encoder and Convolution Block for Hyperspectral Image Classification. Remote Sensing, 2022, 14, 3426.	3.7	27
465	Hyperspectral Image Classification Based on Multibranch Attention Transformer Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	39
466	Deep Feature Correlation Learning for Multi-Modal Remote Sensing Image Registration. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	39
467	LHNet: Laplacian Convolutional Block for Remote Sensing Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.4	31
468	Complex-Valued Multi-Scale Fully Convolutional Network with Stacked-Dilated Convolution for PolSAR Image Classification. Remote Sensing, 2022, 14, 3737.	3.7	11

#	ARTICLE	IF	CITATIONS
469	Evolutionary multiobjective overlapping community detection based on similarity matrix and node correction. <i>Applied Soft Computing Journal</i> , 2022, 127, 109397.	6.0	16
470	Uncorrelated feature selection via sparse latent representation and extended OLSDA. <i>Pattern Recognition</i> , 2022, 132, 108966.	7.1	30
471	Augmentative contrastive learning for one-shot object detection. <i>Neurocomputing</i> , 2022, 513, 13-24.	5.8	23
472	CMNet: Classification-oriented multi-task network for hyperspectral pansharpening. <i>Knowledge-Based Systems</i> , 2022, 256, 109878.	7.0	7
473	Occluded Person Re-Identification Method Based on Multiscale Features and Human Feature Reconstruction. <i>IEEE Access</i> , 2022, 10, 98584-98592.	3.0	8
474	Immune Evolutionary Generative Adversarial Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.4	6
475	Multimodal Fusion Remote Sensing Imageâ€“Audio Retrieval. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 6220-6235.	4.7	24
476	Deep Learning-Based Object Tracking in Satellite Videos: A comprehensive survey with a new dataset. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 181-212.	8.2	47
477	EMTCAL: Efficient Multiscale Transformer and Cross-Level Attention Learning for Remote Sensing Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.4	104
478	Self-Supervised Divide-and-Conquer Generative Adversarial Network for Classification of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.4	42
479	Unsupervised Outlier Detection Using Memory and Contrastive Learning. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 6440-6454.	9.5	28
480	Coarse-to-Fine Contrastive Self-Supervised Feature Learning for Land-Cover Classification in SAR Images With Limited Labeled Data. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 6502-6516.	9.5	31
481	A Large Scale Evolutionary Algorithm Based on Determinantal Point Processes for Large Scale Multi-Objective Optimization Problems. <i>Electronics (Switzerland)</i> , 2022, 11, 3317.	2.2	1
482	AFnet and PAFnet: Fast and Accurate SAR Autofocus Based on Deep Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.4	19
483	Multicrop Fusion Strategy Based on Prototype Assignment for Remote Sensing Image Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	6.4	9
484	Region-Level SAR Image Segmentation Based on Edge Feature and Label Assistance. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	6.4	19
485	Simple and Efficient: A Semisupervised Learning Framework for Remote Sensing Image Semantic Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	6.4	53
486	Pol-NAS: A Neural Architecture Search Method With Feature Selection for PolSAR Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 9339-9354.	4.7	14

#	ARTICLE	IF	CITATIONS
487	SAR Image Segmentation Based on Fisher Vector Superpixel Generation and Label Revision. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9639-9653.	4.7	6
488	Transfer Representation Learning Meets Multimodal Fusion Classification for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	14
489	MFNet: A Novel GNN-Based Multi-Level Feature Network With Superpixel Priors. IEEE Transactions on Image Processing, 2022, 31, 7306-7321.	9.5	7
490	Simplified Nonlocal Network Based on Adaptive Projection Attention Method for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	6
491	A Joint-Training Two-Stage Method For Remote Sensing Image Captioning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	42
492	PDFL: Polarimetric Decomposition Feature Learning via Deep Autoencoder. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.4	6
493	Cluster Alignment With Target Knowledge Mining for Unsupervised Domain Adaptation Semantic Segmentation. IEEE Transactions on Image Processing, 2022, 31, 7403-7418.	9.5	35
494	A Two-Stage Mutual Fusion Network for Multispectral and Panchromatic Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.4	8
495	Adaptive Dual-Path Collaborative Learning for PAN and MS Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	10
496	Hyperspectral Image Classification Based on Pyramid Coordinate Attention and Weighted Self-Distillation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.4	17
497	Deep Shearlet Network for Change Detection in SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.4	25
498	Convolutional Neural Network Based on Bandwise-Independent Convolution and Hard Thresholding for Hyperspectral Band Selection. IEEE Transactions on Cybernetics, 2021, 51, 4414-4428.	10.0	77
499	Deep Multi-View Subspace Clustering With Unified and Discriminative Learning. IEEE Transactions on Multimedia, 2021, 23, 3483-3493.	7.6	165
500	Accelerated Variance Reduction Stochastic ADMM for Large-Scale Machine Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4242-4255.	11.2	33
501	New Contour Cue-Based Hybrid Sparse Learning for Salient Object Detection. IEEE Transactions on Cybernetics, 2021, 51, 4212-4226.	10.0	16
502	Residual Spectral-Spatial Attention Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 449-462.	6.4	450
503	Selective Adversarial Adaptation-Based Cross-Scene Change Detection Framework in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2188-2203.	6.4	27
504	C-CNN: Contourlet Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2636-2649.	9.5	174

#	ARTICLE	IF	CITATIONS
505	Attention Multibranch Convolutional Neural Network for Hyperspectral Image Classification Based on Adaptive Region Search. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5054-5070.	6.4	69
506	Multiscale CNN With Autoencoder Regularization Joint Contextual Attention Network for SAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1200-1213.	6.4	32
507	Change Detection in SAR Images Using Multiobjective Optimization and Ensemble Strategy. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1585-1589.	3.2	18
508	Multiobjective evolutionary algorithm assisted stacked autoencoder for PolSAR image classification. Swarm and Evolutionary Computation, 2021, 60, 100794.	7.8	32
509	iCmSC: Incomplete Cross-Modal Subspace Clustering. IEEE Transactions on Image Processing, 2021, 30, 305-317.	9.5	53
510	Sparse Learning-Based Correlation Filter for Robust Tracking. IEEE Transactions on Image Processing, 2021, 30, 878-891.	9.5	26
511	Hyperspectral Image Classification Based on 3-D Octave Convolution With Spatial Spectral Attention Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2430-2447.	6.4	136
512	Efficient Convolutional Neural Architecture Search for Remote Sensing Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6092-6105.	6.4	64
513	End-to-End Ensemble Learning by Exploiting the Correlation Between Individuals and Weights. IEEE Transactions on Cybernetics, 2021, 51, 2835-2846.	10.0	18
514	Large-Scale Semantic 3-D Reconstruction: Outcome of the 2019 IEEE GRSS Data Fusion Contest Part B. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1158-1170.	4.7	28
515	A Self-Adaptive Response Strategy for Dynamic Multiobjective Evolutionary Optimization Based on Objective Space Decomposition. Evolutionary Computation, 2021, 29, 491-519.	1.5	12
516	Adversarial Multi-Path Residual Network for Image Super-Resolution. IEEE Transactions on Image Processing, 2021, 30, 6648-6658.	9.5	29
517	Attention Consistent Network for Remote Sensing Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2030-2045.	4.7	161
518	Hyperspectral Image Classification With Mixed Link Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2494-2507.	4.7	23
519	IPGN: Interactiveness Proposal Graph Network for Human-Object Interaction Detection. IEEE Transactions on Image Processing, 2021, 30, 6583-6593.	9.5	42
520	A Decomposition-Based Evolutionary Algorithm with Correlative Selection Mechanism for Many-Objective Optimization. Evolutionary Computation, 2021, 29, 269-304.	1.5	11
521	Cross-Layer Attention Network for Small Object Detection in Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2148-2161.	4.7	96
522	Spectral-Difference Low-Rank Representation Learning for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10364-10377.	6.4	40

#	ARTICLE	IF	CITATIONS
523	Large-Scope PolSAR Image Change Detection Based on Looking-Around-and-Into Mode. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 363-378.	6.4	8
524	Multi-Relation Attention Network for Image Patch Matching. IEEE Transactions on Image Processing, 2021, 30, 7127-7142.	9.5	30
525	Nonlinear Projective Dictionary Pair Learning for PolSAR Image Classification. IEEE Access, 2021, 9, 70650-70661.	3.0	6
526	Representative Learning via Span-Based Mutual Information for PolSAR Image Classification. Remote Sensing, 2021, 13, 1609.	3.7	4
527	GRS-Det: An Anchor-Free Rotation Ship Detector Based on Gaussian-Mask in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3518-3531.	6.4	63
528	Deep Hash Learning for Remote Sensing Image Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3420-3443.	6.4	106
529	Analytical Study on a 700 V Triple RESURF LDMOS With a Variable High-K Dielectric Trench. IEEE Transactions on Electron Devices, 2021, 68, 2872-2878.	2.7	16
530	A Lightweight Keypoint-Based Oriented Object Detection of Remote Sensing Images. Remote Sensing, 2021, 13, 2459.	3.7	19
531	PSMD-Net: A Novel Pan-Sharpener Method Based on a Multiscale Dense Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4957-4971.	6.4	33
532	Deep multi-level fusion network for multi-source image pixel-wise classification. Knowledge-Based Systems, 2021, 221, 106921.	7.0	56
533	Cost-Sensitive Latent Space Learning for Imbalanced PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4802-4817.	6.4	18
534	Multi-Scale Fused SAR Image Registration Based on Deep Forest. Remote Sensing, 2021, 13, 2227.	3.7	16
535	A spatial-channel progressive fusion ResNet for remote sensing classification. Information Fusion, 2021, 70, 72-87.	15.8	79
536	Dual space latent representation learning for unsupervised feature selection. Pattern Recognition, 2021, 114, 107873.	7.1	52
537	Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing Based on Endmember Independence and Spatial Weighted Abundance. Remote Sensing, 2021, 13, 2348.	3.7	11
538	Cross-frame keypoint-based and spatial motion information-guided networks for moving vehicle detection and tracking in satellite videos. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 177, 116-130.	11.3	72
539	A Deep Detection Network Based on Interaction of Instance Segmentation and Object Detection for SAR Images. Remote Sensing, 2021, 13, 2582.	3.7	59
540	A two-stage hybrid ant colony optimization for high-dimensional feature selection. Pattern Recognition, 2021, 116, 107933.	7.1	135

#	ARTICLE	IF	CITATIONS
541	Non-Invasive Heart Rate Estimation From Ballistocardiograms Using Bidirectional LSTM Regression. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3396-3407.	5.3	19
542	Graph Convolutional Neural Networks with Geometric and Discrimination information. Engineering Applications of Artificial Intelligence, 2021, 104, 104364.	7.6	11
543	Contralaterally Enhanced Networks for Thoracic Disease Detection. IEEE Transactions on Medical Imaging, 2021, 40, 2428-2438.	7.6	15
544	NAS-Guided Lightweight Multiscale Attention Fusion Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8754-8767.	6.4	61
545	A deep fusion framework for unlabeled data-driven tumor recognition. Pattern Recognition, 2021, 119, 108066.	7.1	3
546	Hyperspectral image classification based on spatial and spectral kernels generation network. Information Sciences, 2021, 578, 435-456.	6.3	33
547	Dual-graph convolutional network based on band attention and sparse constraint for hyperspectral band selection. Knowledge-Based Systems, 2021, 231, 107428.	7.0	32
548	Ridgelet-Nets With Speckle Reduction Regularization for SAR Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9290-9306.	6.4	26
549	A Mutual Information-Based Self-Supervised Learning Model for PolSAR Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9224-9237.	6.4	51
550	A Spatial-Channel Collaborative Attention Network for Enhancement of Multiresolution Classification. Remote Sensing, 2021, 13, 106.	3.7	21
551	SAR Image Registration Based on ROEWA-Blocks and Multiscale Circle Descriptor. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10614-10627.	4.7	7
552	Attention-Guided Siamese Fusion Network for Change Detection of Remote Sensing Images. Remote Sensing, 2021, 13, 4597.	3.7	12
553	Products of Generalized Stochastic Matrices With Applications to Consensus Analysis in Networks of Multiagents With Delays. IEEE Transactions on Cybernetics, 2020, 50, 386-399.	10.0	9
554	VR-SGD: A Simple Stochastic Variance Reduction Method for Machine Learning. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 188-202.	6.7	53
555	Multi-layer interaction preference based multi-objective evolutionary algorithm through decomposition. Information Sciences, 2020, 509, 420-436.	6.3	14
556	Hyper-Parameter Optimization Using MARS Surrogate for Machine-Learning Algorithms. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 287-297.	5.3	20
557	Sparse Manifold-Regularized Neural Networks for Polarimetric SAR Terrain Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3007-3016.	9.5	16
558	Semi-Supervised Graph Regularized Deep NMF With Bi-Orthogonal Constraints for Data Representation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3245-3258.	9.5	61

#	ARTICLE	IF	CITATIONS
559	SAR Image Change Detection via Spatial Metric Learning With an Improved Mahalanobis Distance. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 77-81.	3.2	18
560	Sparse and low-redundant subspace learning-based dual-graph regularized robust feature selection. Knowledge-Based Systems, 2020, 187, 104830.	7.0	63
561	Non-overlapping classification of hyperspectral imagery based on set-to-sets distance. Neurocomputing, 2020, 378, 422-434.	5.8	6
562	Object Detection in High-Resolution Panchromatic Images Using Deep Models and Spatial Template Matching. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 956-970.	6.4	37
563	Unsupervised EA-Based Fuzzy Clustering for Image Segmentation. IEEE Access, 2020, 8, 8627-8647.	3.0	12
564	A Dual-Branch Attention fusion deep network for multiresolution remote sensing image classification. Information Fusion, 2020, 58, 116-131.	15.8	63
565	Fully Convolutional Network-Based Ensemble Method for Road Extraction From Aerial Images. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1777-1781.	3.2	61
566	Hyperspectral Imagery Classification Based on Compressed Convolutional Neural Network. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1583-1587.	3.2	14
567	Multi-Feature Weighted Sparse Graph for SAR Image Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 881-891.	6.4	14
568	Semisupervised Classification of PolSAR Image Incorporating Labels' Semantic Priors. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1737-1741.	3.2	12
569	Complex Contourlet-CNN for polarimetric SAR image classification. Pattern Recognition, 2020, 100, 107110.	7.1	65
570	Complex network graph embedding method based on shortest path and MOEA/D for community detection. Applied Soft Computing Journal, 2020, 97, 106764.	6.0	14
571	Hyperspectral Anomaly Detection Based on Low-Rank Representation With Data-Driven Projection and Dictionary Construction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2226-2239.	4.7	34
572	Semantic Segmentation for SAR Image Based on Texture Complexity Analysis and Key Superpixels. Remote Sensing, 2020, 12, 2141.	3.7	15
573	Multi-Resolution Prediction Model Based on Community Relevance for Missing Links Prediction. IEEE Access, 2020, 8, 113981-113993.	3.0	2
574	Background Subtraction Based on GAN and Domain Adaptation for VHR Optical Remote Sensing Videos. IEEE Access, 2020, 8, 119144-119157.	3.0	12
575	A Multiscale Self-Adaptive Attention Network for Remote Sensing Scene Classification. Remote Sensing, 2020, 12, 2209.	3.7	16
576	High-quality depth up-sampling via a supervised classification guided MRF model. Pattern Recognition Letters, 2020, 138, 315-320.	3.0	0

#	ARTICLE	IF	CITATIONS
577	A Two-Stage Evolutionary Fuzzy Clustering Framework for Noisy Image Segmentation. IEEE Access, 2020, 8, 186663-186678.	3.0	1
578	Discriminative Sketch Topic Model With Structural Constraint for SAR Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5730-5745.	4.7	13
579	Hyperspectral Image Classification via Slice Sparse Coding Tensor Based Classifier With Compressive Dimensionality Reduction. IEEE Access, 2020, 8, 145207-145215.	3.0	3
580	Stochastic Recursive Gradient Support Pursuit and Its Sparse Representation Applications. Sensors, 2020, 20, 4902.	3.0	0
581	Building Extraction of Aerial Images by a Global and Multi-Scale Encoder-Decoder Network. Remote Sensing, 2020, 12, 2350.	3.7	67
582	Superjunction LDMOS With Dual Gate for Low On-Resistance and High Transconductance. IEEE Journal of the Electron Devices Society, 2020, 8, 890-896.	1.8	17
583	A Unified Scalable Equivalent Formulation for Schatten Quasi-Norms. Mathematics, 2020, 8, 1325.	2.0	8
584	Superpixel Boundary-Based Edge Description Algorithm for SAR Image Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1972-1985.	4.7	26
585	Deep tracking using double-correlation filters by membership weighted decision. Pattern Recognition Letters, 2020, 136, 161-167.	3.0	2
586	Fuzzy Superpixels Based Semi-Supervised Similarity-Constrained CNN for PolSAR Image Classification. Remote Sensing, 2020, 12, 1694.	3.7	14
587	Semi-Supervised PolSAR Image Classification Based on Improved Tri-Training With a Minimum Spanning Tree. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8583-8597.	6.4	46
588	Sketch-Based Region Adaptive Sparse Unmixing Applied to Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8840-8856.	6.4	10
589	SAR Image Segmentation Using Region Smoothing and Label Correction. Remote Sensing, 2020, 12, 803.	3.7	31
590	A Convolutional Neural Network with Parallel Multi-Scale Spatial Pooling to Detect Temporal Changes in SAR Images. Remote Sensing, 2020, 12, 1619.	3.7	20
591	Self-Supervised Representation Learning for Remote Sensing Image Change Detection Based on Temporal Prediction. Remote Sensing, 2020, 12, 1868.	3.7	62
592	Multi-scale Adaptive Feature Fusion Network for Semantic Segmentation in Remote Sensing Images. Remote Sensing, 2020, 12, 872.	3.7	103
593	A Multi-Level Attention Model for Remote Sensing Image Captions. Remote Sensing, 2020, 12, 939.	3.7	56
594	Hyperspectral Image Super-Resolution Based on Tensor Spatial-Spectral Joint Correlation Regularization. IEEE Access, 2020, 8, 63654-63665.	3.0	1

#	ARTICLE	IF	CITATIONS
595	A survey on image and video cosegmentation: Methods, challenges and analyses. Pattern Recognition, 2020, 103, 107297.	7.1	2
596	Subspace learning for unsupervised feature selection via adaptive structure learning and rank approximation. Neurocomputing, 2020, 413, 72-84.	5.8	39
597	SSCV-GANs: Semi-Supervised Complex-Valued GANs for PolSAR Image Classification. IEEE Access, 2020, 8, 146560-146576.	3.0	17
598	Deep Feature-Based Multitask Joint Sparse Representation for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1578-1582.	3.2	2
599	Modified Tensor Distance-Based Multiview Spectral Embedding for PolSAR Land Cover Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 2095-2099.	3.2	12
600	Structure Label Matrix Completion for PolSAR Image Classification. Remote Sensing, 2020, 12, 459.	3.7	1
601	Double feature selection algorithm based on low-rank sparse non-negative matrix factorization. International Journal of Machine Learning and Cybernetics, 2020, 11, 1891-1908.	2.1	15
602	Regularized Sparse Band Selection via Learned Pairwise Agreement. IEEE Access, 2020, 8, 40096-40105.	3.0	3
603	POL-SAR Image Classification Based on Modified Stacked Autoencoder Network and Data Distribution. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1678-1695.	6.4	32
604	Application of Data Driven Optimization for Change Detection in Synthetic Aperture Radar Images. IEEE Access, 2020, 8, 11426-11436.	3.0	6
605	Hyperspectral imagery classification with cascaded support vector machines and multi-scale superpixel segmentation. International Journal of Remote Sensing, 2020, 41, 4530-4550.	2.5	21
606	A thumbnail-based hierarchical fuzzy clustering algorithm for SAR image segmentation. Signal Processing, 2020, 171, 107518.	3.3	22
607	Dense connection and depthwise separable convolution based CNN for polarimetric SAR image classification. Knowledge-Based Systems, 2020, 194, 105542.	7.0	103
608	A Distribution and Structure Match Generative Adversarial Network for SAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3864-3880.	6.4	40
609	Online Active Extreme Learning Machine With Discrepancy Sampling for PolSAR Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2027-2041.	6.4	22
610	PolSAR Feature Extraction Via Tensor Embedding Framework for Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2337-2351.	6.4	18
611	RADet: Refine Feature Pyramid Network and Multi-Layer Attention Network for Arbitrary-Oriented Object Detection of Remote Sensing Images. Remote Sensing, 2020, 12, 389.	3.7	122
612	Quantum Optimization and Quantum Learning: A Survey. IEEE Access, 2020, 8, 23568-23593.	3.0	135

#	ARTICLE	IF	CITATIONS
613	Anchor-Free Single Stage Detector in Remote Sensing Images Based on Multiscale Dense Path Aggregation Feature Pyramid Network. <i>IEEE Access</i> , 2020, 8, 63121-63133.	3.0	27
614	Generative Adversarial Networks Based on Collaborative Learning and Attention Mechanism for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2020, 12, 1149.	3.7	94
615	Transfer stacking from low-to high-fidelity: A surrogate-assisted bi-fidelity evolutionary algorithm. <i>Applied Soft Computing Journal</i> , 2020, 92, 106276.	6.0	24
616	Parallel design of sparse deep belief network with multi-objective optimization. <i>Information Sciences</i> , 2020, 533, 24-42.	6.3	11
617	Lightweight convolutional neural network for bitemporal SAR image change detection. <i>Journal of Applied Remote Sensing</i> , 2020, 14, 1.	1.2	12
618	Generative adversarial network-based electromagnetic signal classification: A semi-supervised learning framework. <i>China Communications</i> , 2020, 17, 157-169.	1.8	39
619	A Novel Segmentation Based Depth Map Up-Sampling. <i>IEEE Transactions on Multimedia</i> , 2019, 21, 1-14.	7.6	20
620	A Pareto-Based Sparse Subspace Learning Framework. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3859-3872.	10.0	11
621	Local Restricted Convolutional Neural Network for Change Detection in Polarimetric SAR Images. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 818-833.	9.5	100
622	SAR image change detection based on deep denoising and CNN. <i>IET Image Processing</i> , 2019, 13, 1509-1515.	2.1	36
623	Truncated Graph-Regularized Low Rank Representation for Link Prediction. <i>IEEE Access</i> , 2019, 7, 48224-48235.	3.0	1
624	Auto Encoder Feature Learning with Utilization of Local Spatial Information and Data Distribution for Classification of PolSAR Image. <i>Remote Sensing</i> , 2019, 11, 1313.	3.7	5
625	A Deep Neural Network Based on an Attention Mechanism for SAR Ship Detection in Multiscale and Complex Scenarios. <i>IEEE Access</i> , 2019, 7, 104848-104863.	3.0	102
626	Multipath Residual Network for Spectral-Spatial Hyperspectral Image Classification. <i>Remote Sensing</i> , 2019, 11, 1896.	3.7	39
627	Sig-NMS-Based Faster R-CNN Combining Transfer Learning for Small Target Detection in VHR Optical Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 8534-8545.	6.4	133
628	Stacked Fisher autoencoder for SAR change detection. <i>Pattern Recognition</i> , 2019, 96, 106971.	7.1	71
629	Non-overlapping classification of hyperspectral imagery with superpixel segmentation. <i>Applied Soft Computing Journal</i> , 2019, 83, 105630.	6.0	14
630	Gradient regularized convolutional neural networks for low-dose CT image enhancement. <i>Physics in Medicine and Biology</i> , 2019, 64, 165017.	3.1	23

#	ARTICLE	IF	CITATIONS
631	A multiscale object detection approach for remote sensing images based on MSE-DenseNet and the dynamic anchor assignment. <i>Remote Sensing Letters</i> , 2019, 10, 959-967.	1.3	23
632	Evolving deep convolutional neural networks by quantum behaved particle swarm optimization with binary encoding for image classification. <i>Neurocomputing</i> , 2019, 362, 156-165.	5.8	86
633	CNN-Based Polarimetric Decomposition Feature Selection for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 8796-8812.	6.4	81
634	A Novel Multi-Model Decision Fusion Network for Object Detection in Remote Sensing Images. <i>Remote Sensing</i> , 2019, 11, 737.	3.7	42
635	Sparse Deep Tensor Extreme Learning Machine for Pattern Classification. <i>IEEE Access</i> , 2019, 7, 119181-119191.	3.0	6
636	Semi-Supervised PolSAR Image Classification Based on Self-Training and Superpixels. <i>Remote Sensing</i> , 2019, 11, 1933.	3.7	29
637	Large-Scale Remote Sensing Image Retrieval Based on Semi-Supervised Adversarial Hashing. <i>Remote Sensing</i> , 2019, 11, 2055.	3.7	34
638	Complex Gaussian-Based Bayesian Online Dictionary Learning for SAR Target Recognition with Limited Labeled Samples. <i>IEEE Access</i> , 2019, 7, 120626-120637.	3.0	4
639	Spectral-Based Spatial Hyperspectral Image Classification Using Cascaded Markov Random Fields. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4861-4872.	4.7	22
640	Rotation-Based Deep Forest for Hyperspectral Imagery Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 1105-1109.	3.2	28
641	Multi-Scale Residual Reconstruction Neural Network With Non-Local Constraint. <i>IEEE Access</i> , 2019, 7, 70910-70918.	3.0	8
642	Fast DDL Classification for SAR Images With $\ell_{1,\infty}$ Constraint. <i>IEEE Access</i> , 2019, 7, 68991-69006.	3.0	6
643	Adaptive sparse graph learning based dimensionality reduction for classification. <i>Applied Soft Computing Journal</i> , 2019, 82, 105459.	6.0	8
644	Maximizing diversity by transformed ensemble learning. <i>Applied Soft Computing Journal</i> , 2019, 82, 105580.	6.0	38
645	Fast Sparse Deep Neural Networks: Theory and Performance Analysis. <i>IEEE Access</i> , 2019, 7, 74040-74055.	3.0	5
646	Adaptive Multiscale Deep Fusion Residual Network for Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 8506-8521.	6.4	78
647	Fast Semisupervised Classification Using Histogram-Based Density Estimation for Large-Scale Polarimetric SAR Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 1844-1848.	3.2	12
648	Aerial Image Road Extraction Based on an Improved Generative Adversarial Network. <i>Remote Sensing</i> , 2019, 11, 930.	3.7	69

#	ARTICLE	IF	CITATIONS
649	Hyperspectral imagery classification with deep metric learning. <i>Neurocomputing</i> , 2019, 356, 217-227.	5.8	37
650	Densely Based Multi-Scale and Multi-Modal Fully Convolutional Networks for High-Resolution Remote-Sensing Image Semantic Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 2612-2626.	4.7	120
651	PolSAR image classification based on multi-scale stacked sparse autoencoder. <i>Neurocomputing</i> , 2019, 351, 167-179.	5.8	27
652	CNN-Based Multilayer Spatial-Spectral Feature Fusion and Sample Augmentation With Local and Nonlocal Constraints for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1299-1313.	4.7	84
653	Color Correction and Depth-Based Hierarchical Hole Filling in Free Viewpoint Generation. <i>IEEE Transactions on Broadcasting</i> , 2019, 65, 294-307.	3.2	10
654	Change Detection in Remote Sensing Images Based on Image Mapping and a Deep Capsule Network. <i>Remote Sensing</i> , 2019, 11, 626.	3.7	58
655	Adversarial Reconstruction-Classification Networks for PolSAR Image Classification. <i>Remote Sensing</i> , 2019, 11, 415.	3.7	10
656	Divide-and-Conquer Dual-Architecture Convolutional Neural Network for Classification of Hyperspectral Images. <i>Remote Sensing</i> , 2019, 11, 484.	3.7	25
657	Transferred Deep Learning-Based Change Detection in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 6960-6973.	6.4	100
658	A Semi-Supervised CNN With Fuzzy Rough C-Mean for Image Classification. <i>IEEE Access</i> , 2019, 7, 49641-49652.	3.0	14
659	Semi-Supervised Deep Fuzzy C-Mean Clustering for Imbalanced Multi-Class Classification. <i>IEEE Access</i> , 2019, 7, 28100-28112.	3.0	41
660	Multimodal Remote Sensing Image Registration Based on Image Transfer and Local Features. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 1210-1214.	3.2	58
661	Classification of Hyperspectral Images Based on Multiclass Spatial-Spectral Generative Adversarial Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 5329-5343.	6.4	144
662	How Can Despeckling and Structural Features Benefit to Change Detection on Bitemporal SAR Images?. <i>Remote Sensing</i> , 2019, 11, 421.	3.7	15
663	Complex-Valued Convolutional Autoencoder and Spatial Pixel-Squares Refinement for Polarimetric SAR Image Classification. <i>Remote Sensing</i> , 2019, 11, 522.	3.7	24
664	A Deep Learning Method for Change Detection in Synthetic Aperture Radar Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 5751-5763.	6.4	168
665	Semi-Supervised Hyperspectral Band Selection Based on Dynamic Classifier Selection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1289-1298.	4.7	43
666	Multi-Scale Image Block-Level F-CNN for Remote Sensing Images Object Detection. <i>IEEE Access</i> , 2019, 7, 43607-43621.	3.0	43

#	ARTICLE	IF	CITATIONS
667	Local discriminative based sparse subspace learning for feature selection. Pattern Recognition, 2019, 92, 219-230.	7.1	72
668	Change Detection Based on Multi-Grained Cascade Forest and Multi-Scale Fusion for SAR Images. Remote Sensing, 2019, 11, 142.	3.7	30
669	An adjustable fuzzy classification algorithm using an improved multi-objective genetic strategy based on decomposition for imbalance dataset. Knowledge and Information Systems, 2019, 61, 1583-1605.	2.5	4
670	Stacked auto-encoder for classification of polarimetric SAR images based on scattering energy. International Journal of Remote Sensing, 2019, 40, 5094-5120.	2.5	4
671	A Novel Two-Step Registration Method for Remote Sensing Images Based on Deep and Local Features. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4834-4843.	6.4	131
672	Variational Learning of Mixture Wishart Model for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 141-154.	6.4	21
673	Semi-Coupled Convolutional Sparse Learning for Image Super-Resolution. Remote Sensing, 2019, 11, 2593.	3.7	4
674	Weight-Variable Scattering Convolution Networks and Its Application in Electromagnetic Signal Classification. IEEE Access, 2019, 7, 175889-175896.	3.0	12
675	A Superpixel-Based Relational Auto-Encoder for Feature Extraction of Hyperspectral Images. Remote Sensing, 2019, 11, 2454.	3.7	16
676	MSARN: A Deep Neural Network Based on an Adaptive Recalibration Mechanism for Multiscale and Arbitrary-Oriented SAR Ship Detection. IEEE Access, 2019, 7, 159262-159283.	3.0	62
677	A Survey on the New Generation of Deep Learning in Image Processing. IEEE Access, 2019, 7, 172231-172263.	3.0	237
678	High-Resolution SAR Change Detection Based on ROI and SPP Net. IEEE Access, 2019, 7, 177009-177022.	3.0	16
679	Fully Dense Multiscale Fusion Network for Hyperspectral Image Classification. Remote Sensing, 2019, 11, 2718.	3.7	40
680	Unsupervised classification for polarimetric SAR images based on the improved CFSFDP algorithm. International Journal of Remote Sensing, 2019, 40, 3154-3178.	2.5	10
681	Local Descriptor Learning for Change Detection in Synthetic Aperture Radar Images via Convolutional Neural Networks. IEEE Access, 2019, 7, 15389-15403.	3.0	44
682	Imbalanced Learning-Based Automatic SAR Images Change Detection by Morphologically Supervised PCA-Net. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 554-558.	3.2	43
683	Polarimetric Convolutional Network for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3040-3054.	6.4	112
684	Task-Oriented GAN for PolSAR Image Classification and Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2707-2719.	9.5	97

#	ARTICLE	IF	CITATIONS
685	A Novel Neural Network for Remote Sensing Image Matching. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2853-2865.	9.5	76
686	Fast unsupervised deep fusion network for change detection of multitemporal SAR images. Neurocomputing, 2019, 332, 56-70.	5.8	37
687	Multi-objective artificial immune algorithm for fuzzy clustering based on multiple kernels. Swarm and Evolutionary Computation, 2019, 50, 100485.	7.8	33
688	Video reconstruction based on Intrinsic Tensor Sparsity model. Signal Processing: Image Communication, 2019, 72, 113-125.	2.3	3
689	A Novel Semicoupled Projective Dictionary Pair Learning Method for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2407-2418.	6.4	12
690	Densely connected deep random forest for hyperspectral imagery classification. International Journal of Remote Sensing, 2019, 40, 3606-3622.	2.5	35
691	Hyperspectral Anomaly Detection via Background and Potential Anomaly Dictionaries Construction. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2263-2276.	6.4	146
692	Convolution Structure Sparse Coding for Fusion of Panchromatic and Multispectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1117-1130.	6.4	45
693	Application of natural computation inspired method in community detection. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 130-150.	2.7	24
694	A two-step personalized location recommendation based on multi-objective immune algorithm. Information Sciences, 2019, 475, 161-181.	6.3	31
695	Structural feature learning-based unsupervised semantic segmentation of synthetic aperture radar image. Journal of Applied Remote Sensing, 2019, 13, 1.	1.2	3
696	Pan-sharpening via deep metric learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 165-183.	11.3	60
697	Feature selection based dual-graph sparse non-negative matrix factorization for local discriminative clustering. Neurocomputing, 2018, 290, 87-99.	5.8	79
698	Spatial-Graph-Regularized Low-Rank Tensor Decomposition for Multispectral and Hyperspectral Image Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1030-1040.	4.7	125
699	Target-Oriented High-Resolution SAR Image Formation via Semantic Information Guided Regularizations. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1922-1939.	6.4	27
700	Fuzzy Superpixels for Polarimetric SAR Images Classification. IEEE Transactions on Fuzzy Systems, 2018, 26, 2846-2860.	9.9	65
701	Hybrid Probabilistic Sparse Coding With Spatial Neighbor Tensor for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2491-2502.	6.4	7
702	Adaptive Super-Resolution for Remote Sensing Images Based on Sparse Representation With Global Joint Dictionary Model. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2312-2327.	6.4	53

#	ARTICLE	IF	CITATIONS
703	Fuzzy Sparse Autoencoder Framework for Single Image Per Person Face Recognition. IEEE Transactions on Cybernetics, 2018, 48, 2402-2415.	10.0	42
704	A new angle-based preference selection mechanism for solving many-objective optimization problems. Soft Computing, 2018, 22, 6311-6327.	2.4	5
705	Deep Multiple Instance Learning-Based Spatial Spectral Classification for PAN and MS Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 461-473.	6.4	68
706	Multifeature Hyperspectral Image Classification With Local and Nonlocal Spatial Information via Markov Random Field in Semantic Space. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1409-1424.	6.4	61
707	A robust semi-supervised SVM via ensemble learning. Applied Soft Computing Journal, 2018, 65, 632-643.	6.0	40
708	Dual-graph regularized non-negative matrix factorization with sparse and orthogonal constraints. Engineering Applications of Artificial Intelligence, 2018, 69, 24-35.	7.6	82
709	A deep learning framework for remote sensing image registration. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 148-164.	11.3	260
710	Fast hyperspectral band selection based on spatial feature extraction. Journal of Real-Time Image Processing, 2018, 15, 555-564.	2.5	19
711	Terrain classification based on spatial multi-attribute graph using Polarimetric SAR data. Applied Soft Computing Journal, 2018, 68, 24-38.	6.0	16
712	3D fast convex-hull-based evolutionary multiobjective optimization algorithm. Applied Soft Computing Journal, 2018, 67, 322-336.	6.0	20
713	A Hybrid Method of SAR Speckle Reduction Based on Geometric-Structural Block and Adaptive Neighborhood. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 730-748.	6.4	27
714	Fuzzy Double C-Means Clustering Based on Sparse Self-Representation. IEEE Transactions on Fuzzy Systems, 2018, 26, 612-626.	9.9	83
715	Non-Negative Spectral Learning and Sparse Regression-Based Dual-Graph Regularized Feature Selection. IEEE Transactions on Cybernetics, 2018, 48, 793-806.	10.0	123
716	Global Low-Rank Image Restoration With Gaussian Mixture Model. IEEE Transactions on Cybernetics, 2018, 48, 1827-1838.	10.0	22
717	The Overcomplete Dictionary-Based Directional Estimation Model and Nonconvex Reconstruction Methods. IEEE Transactions on Cybernetics, 2018, 48, 1042-1053.	10.0	7
718	A self-paced learning algorithm for change detection in synthetic aperture radar images. Signal Processing, 2018, 142, 375-387.	3.3	35
719	A modified convolutional neural network for face sketch synthesis. Pattern Recognition, 2018, 76, 125-136.	7.1	37
720	An image segmentation method based on network clustering model. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 1532-1542.	2.7	5

#	ARTICLE	IF	CITATIONS
721	Random subspace based ensemble sparse representation. Pattern Recognition, 2018, 74, 544-555.	7.1	27
722	Weighted compactness function based label propagation algorithm for community detection. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 767-780.	2.7	14
723	How Does the Low-Rank Matrix Decomposition Help Internal and External Learnings for Super-Resolution. IEEE Transactions on Image Processing, 2018, 27, 1086-1099.	9.5	7
724	Discriminative Transformation Learning for Fuzzy Sparse Subspace Clustering. IEEE Transactions on Cybernetics, 2018, 48, 2218-2231.	10.0	8
725	A Novel Deep Fully Convolutional Network for PolSAR Image Classification. Remote Sensing, 2018, 10, 1984.	3.7	36
726	Semi-Supervised Tensorial Locally Linear Embedding for Feature Extraction Using PolSAR Data. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1476-1490.	7.8	19
727	Complex Scene Classification of PolSAR Imagery Based on a Self-Paced Learning Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4818-4825.	4.7	4
728	Rough Noise-Filtered Easy Ensemble for Software Fault Prediction. IEEE Access, 2018, 6, 46886-46899.	3.0	24
729	Unsupervised Deep Feature Learning for Remote Sensing Image Retrieval. Remote Sensing, 2018, 10, 1243.	3.7	93
730	Classification of PolSAR Images Using Multilayer Autoencoders and a Self-Paced Learning Approach. Remote Sensing, 2018, 10, 110.	3.7	35
731	The Empirical Study of Semi-Supervised Deep Fuzzy C-Mean Clustering for Software Fault Prediction. IEEE Access, 2018, 6, 47047-47061.	3.0	16
732	Deep Multiple Feature Fusion for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3880-3891.	4.7	25
733	Sparse Subspace Clustering-Based Feature Extraction for PolSAR Imagery Classification. Remote Sensing, 2018, 10, 391.	3.7	10
734	Multiple instance hybrid estimator for hyperspectral target characterization and sub-pixel target detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 235-250.	11.3	56
735	Fuzzy Rough C-Mean Based Unsupervised CNN Clustering for Large-Scale Image Data. Applied Sciences (Switzerland), 2018, 8, 1869.	2.1	13
736	A dynamic multiple populations particle swarm optimization algorithm based on decomposition and prediction. Applied Soft Computing Journal, 2018, 73, 434-459.	6.0	39
737	Adaptive Hierarchical Multinomial Latent Model With Hybrid Kernel Function for SAR Image Semantic Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2018, , 1-19.	6.4	12
738	Consensus in Networks of Multiagents with Stochastically Switching Topologies and Time-Varying Delays. SIAM Journal on Control and Optimization, 2018, 56, 1884-1911.	2.0	9

#	ARTICLE	IF	CITATIONS
739	Decomposition-Feature-Iterative-Clustering-Based Superpixel Segmentation for PolSAR Image Classification. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1239-1243.	3.2	40
740	Hybrid Unmixing Based on Adaptive Region Segmentation for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3861-3875.	6.4	31
741	PolSAR image classification via multimodal sparse representation-based feature fusion. International Journal of Remote Sensing, 2018, 39, 7861-7880.	2.5	12
742	Structural-Correlated Self-Examples Based Superresolution of Single Remote Sensing Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3209-3223.	4.7	3
743	Tensor-Based Low-Rank Graph With Multimanifold Regularization for Dimensionality Reduction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4731-4746.	6.4	42
744	Spatial Sequential Recurrent Neural Network for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4141-4155.	4.7	155
745	Marginal Stacked Autoencoder With Adaptively-Spatial Regularization for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3297-3311.	4.7	28
746	Hyperspectral Unmixing via Low-Rank Representation with Space Consistency Constraint and Spectral Library Pruning. Remote Sensing, 2018, 10, 339.	3.7	45
747	Patch-Sorted Deep Feature Learning for High Resolution SAR Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3113-3126.	4.7	33
748	A semi-supervised spatially aware wrapper method for hyperspectral band selection. International Journal of Remote Sensing, 2018, 39, 4020-4039.	2.5	8
749	Hyperspectral Unmixing via Deep Convolutional Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1755-1759.	3.2	178
750	Semi-Supervised Deep Fuzzy C-Mean Clustering for Software Fault Prediction. IEEE Access, 2018, 6, 25675-25685.	3.0	36
751	Multiobjective sparse ensemble learning by means of evolutionary algorithms. Decision Support Systems, 2018, 111, 86-100.	5.9	40
752	Mutual Learning Between Saliency and Similarity: Image Cosegmentation via Tree Structured Sparsity and Tree Graph Matching. IEEE Transactions on Image Processing, 2018, 27, 4690-4704.	9.5	11
753	Discriminative Feature Learning for Real-Time SAR Automatic Target Recognition With the Nonlinear Analysis Cosparsity Model. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1045-1049.	3.2	12
754	Deep Multiscale Spectral-Spatial Feature Fusion for Hyperspectral Images Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2911-2924.	4.7	64
755	SAR Targets Classification Based on Deep Memory Convolution Neural Networks and Transfer Parameters. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2834-2846.	4.7	110
756	An external learning assisted self-examples learning for image super-resolution. Neurocomputing, 2018, 312, 107-119.	5.8	4

#	ARTICLE	IF	CITATIONS
757	Patch Tensor-Based Sparse and Low-Rank Graph for Hyperspectral Images Dimensionality Reduction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2513-2527.	4.7	18
758	Parallel implementations of frame rate up-conversion algorithm using OpenCL on heterogeneous computing devices. Multimedia Tools and Applications, 2018, 78, 9311-9334.	2.4	2
759	Unsupervised feature selection based on kernel fisher discriminant analysis and regression learning. Machine Learning, 2018, 108, 659-686.	1.7	18
760	A dynamic local cluster ratio-based band selection algorithm for hyperspectral images. Soft Computing, 2018, 23, 8281-8289.	2.4	5
761	A novel location-based DNA matching algorithm for hyperspectral image classification. Memetic Computing, 2018, 11, 175-191.	2.2	1
762	Optimization based on nonlinear transformation in decision space. Soft Computing, 2018, 23, 3571-3590.	2.4	1
763	Spectral Clustering with Eigenvalue Similarity Metric Method for POL-SAR Image Segmentation of Land Cover. Journal of Geographic Information System, 2018, 10, 150-164.	0.6	2
764	Pan-sharpening via compressed superresolution reconstruction and multidictionary learning. Journal of Applied Remote Sensing, 2018, 12, 1.	1.2	2
765	Consistency-Constrained Nonnegative Coding for Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 880-891.	9.1	2
766	High-Level Feature Selection With Dictionary Learning for Unsupervised SAR Imagery Terrain Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 145-160.	4.7	14
767	Discriminant deep belief network for high-resolution SAR image classification. Pattern Recognition, 2017, 61, 686-701.	7.1	134
768	A community integration strategy based on an improved modularity density increment for large-scale networks. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 471-485.	2.7	41
769	Fusion Similarity-Based Reranking for SAR Image Retrieval. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 242-246.	3.2	38
770	On the use of two reference points in decomposition based multiobjective evolutionary algorithms. Swarm and Evolutionary Computation, 2017, 34, 89-102.	7.8	91
771	A group evolving-based framework with perturbations for link prediction. Physica A: Statistical Mechanics and Its Applications, 2017, 475, 117-128.	2.7	11
772	Mining intrinsic information by matrix factorization-based approaches for collaborative filtering in recommender systems. Neurocomputing, 2017, 249, 48-63.	5.8	35
773	SAR Image Content Retrieval Based on Fuzzy Similarity and Relevance Feedback. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1824-1842.	4.7	56
774	Band selection for hyperspectral image classification with spatially-spectral regularized sparse graph. Journal of Applied Remote Sensing, 2017, 11, 010501.	1.2	4

#	ARTICLE	IF	CITATIONS
775	PolSAR image compression based on online sparse K-SVD dictionary learning. <i>Multimedia Tools and Applications</i> , 2017, 76, 24859-24870.	2.4	4
776	Superpixel-Based Multiple Local CNN for Panchromatic and Multispectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4141-4156.	6.4	124
777	Discriminative Nonlinear Analysis Operator Learning: When Cospase Model Meets Image Classification. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 3449-3462.	9.5	10
778	Robust coupled dictionary learning with $\hat{\alpha}$ , "1 -norm coefficients transition constraint for noisy image super-resolution. <i>Signal Processing</i> , 2017, 140, 177-189.	3.3	3
779	A Similarity-Based Multiobjective Evolutionary Algorithm for Deployment Optimization of Near Space Communication System. <i>IEEE Transactions on Evolutionary Computation</i> , 2017, 21, 878-897.	7.2	38
780	Joint Sparse Recovery With Semisupervised MUSIC. <i>IEEE Signal Processing Letters</i> , 2017, 24, 629-633.	3.1	20
781	Hyperspectral band selection with objective image quality assessment. <i>International Journal of Remote Sensing</i> , 2017, 38, 3656-3668.	2.5	22
782	Partitioned-cooperative quantum-behaved particle swarm optimization based on multilevel thresholding applied to medical image segmentation. <i>Applied Soft Computing Journal</i> , 2017, 56, 345-356.	6.0	106
783	A coevolutionary technique based on multi-swarm particle swarm optimization for dynamic multi-objective optimization. <i>European Journal of Operational Research</i> , 2017, 261, 1028-1051.	5.7	134
784	Polarimetric SAR Feature Extraction With Neighborhood Preservation-Based Deep Learning. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 1456-1466.	4.7	35
785	Remote Sensing Image Registration With Modified SIFT and Enhanced Feature Matching. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 3-7.	3.2	351
786	Sparse learning based fuzzy c-means clustering. <i>Knowledge-Based Systems</i> , 2017, 119, 113-125.	7.0	28
787	Link prediction in complex networks based on an information allocation index. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 470, 1-11.	2.7	24
788	Mixed second order partial derivatives decomposition method for large scale optimization. <i>Applied Soft Computing Journal</i> , 2017, 61, 1013-1021.	6.0	11
789	A Fast Algorithm for SAR Image Segmentation Based on Key Pixels. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 5657-5673.	4.7	27
790	Community mining using three closely joint techniques based on community mutual membership and refinement strategy. <i>Applied Soft Computing Journal</i> , 2017, 61, 1060-1073.	6.0	36
791	Two-Stage Reranking for Remote Sensing Image Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5798-5817.	6.4	52
792	Semisupervised PolSAR Image Classification Based on Improved Cotraining. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 4971-4986.	4.7	20

#	ARTICLE	IF	CITATIONS
793	Fast Classification for Large Polarimetric SAR Data Based on Refined Spatial-Anchor Graph. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1589-1593.	3.2	19
794	Nonnegative Matrix Factorization with Rank Regularization and Hard Constraint. Neural Computation, 2017, 29, 2553-2579.	1.7	9
795	Nonlocal-Similarity-Based Sparse Coding for Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1474-1478.	3.2	5
796	Hyperspectral image classification based on filtering: a comparative study. Journal of Applied Remote Sensing, 2017, 11, 035007.	1.2	19
797	Robust Semisupervised Classification for PolSAR Image With Noisy Labels. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6440-6455.	6.4	27
798	Multilayer Projective Dictionary Pair Learning and Sparse Autoencoder for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6683-6694.	6.4	46
799	Deep Fully Convolutional Network-Based Spatial Distribution Prediction for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5585-5599.	6.4	200
800	A Salient Region Detection and Pattern Matching-Based Algorithm for Center Detection of a Partially Covered Tropical Cyclone in a SAR Image. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 280-291.	6.4	49
801	SAR Image segmentation based on convolutional-wavelet neural network and markov random field. Pattern Recognition, 2017, 64, 255-267.	7.1	218
802	New Hierarchical Saliency Filtering for Fast Ship Detection in High-Resolution SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 351-362.	6.4	92
803	A Novel Riemannian Metric Based on Riemannian Structure and Scaling Information for Fixed Low-Rank Matrix Completion. IEEE Transactions on Cybernetics, 2017, 47, 1299-1312.	10.0	13
804	Quantum-behaved particle swarm optimization with collaborative attractors for nonlinear numerical problems. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 167-183.	3.4	23
805	Unsupervised saliency-guided SAR image change detection. Pattern Recognition, 2017, 61, 309-326.	7.1	67
806	Unsupervised Classification of Polarimetric SAR Image Via Improved Manifold Regularized Low-Rank Representation With Multiple Features. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 580-595.	4.7	17
807	Quantum-behaved discrete multi-objective particle swarm optimization for complex network clustering. Pattern Recognition, 2017, 63, 1-14.	7.1	95
808	Semi-supervised double sparse graphs based discriminant analysis for dimensionality reduction. Pattern Recognition, 2017, 61, 361-378.	7.1	45
809	Dimensionality Reduction of Hyperspectral Imagery Using Sparse Graph Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1165-1181.	4.7	25
810	A Novel Image Representation Framework Based on Gaussian Model and Evolutionary Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 265-280.	7.2	8

#	ARTICLE	IF	CITATIONS
811	Discriminative Dictionary Learning With Two-Level Low Rank and Group Sparse Decomposition for Image Classification. IEEE Transactions on Cybernetics, 2017, 47, 3758-3771.	10.0	38
812	Application of a homogenous patch mean kernel with within-class collaborative representation for hyperspectral imagery classification. Remote Sensing Letters, 2017, 8, 11-20.	1.3	4
813	Context-Based Max-Margin for PolSAR Image Classification. IEEE Access, 2017, 5, 24070-24077.	3.0	10
814	Recursive Autoencoders-Based Unsupervised Feature Learning for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1928-1932.	3.2	88
815	Link prediction in complex networks via matrix perturbation and decomposition. Scientific Reports, 2017, 7, .	3.4	11
816	Hyperspectral Band Selection Using Improved Classification Map. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2147-2151.	3.2	45
817	Hierarchical Sparse Bayesian Learning with Beta Process Priors for Hyperspectral Imagery Restoration. IEICE Transactions on Information and Systems, 2017, E100.D, 350-358.	0.6	1
818	Memetic algorithm based on extension step and statistical filtering for large-scale capacitated arc routing problems. Natural Computing, 2017, 17, 375-391.	1.0	4
819	Quantum-Inspired Immune Clonal Algorithm for solving large-scale capacitated arc routing problems. Memetic Computing, 2017, 10, 81-102.	2.2	13
820	Simulated annealing-based immunodominance algorithm for multi-objective optimization problems. Knowledge and Information Systems, 2017, 55, 215-251.	2.5	4
821	Unsupervised feature selection based on self-representation sparse regression and local similarity preserving. International Journal of Machine Learning and Cybernetics, 2017, 10, 757-770.	2.1	17
822	Multi-objective clustering technique based onk-nodes update policy and similarity matrix for mining communities in social networks. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 1-24.	2.7	14
823	Weighted Wishart distance learning for PolSAR image classification. International Journal of Remote Sensing, 2017, 38, 5232-5250.	2.5	5
824	POLSAR Image Classification via Wishart-AE Model or Wishart-CAE Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3604-3615.	4.7	80
825	Joint Prior Learning for Visual Sensor Network Noisy Image Super-Resolution. Sensors, 2016, 16, 288.	3.0	4
826	Hierarchical Sparse Learning with Spectral-Spatial Information for Hyperspectral Imagery Denoising. Sensors, 2016, 16, 1718.	3.0	12
827	Classification of Polarimetric SAR Images Using Multilayer Autoencoders and Superpixels. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3072-3081.	4.7	113
828	Interactive Reference Region Based Multi-Objective Evolutionary Algorithm Through Decomposition. IEEE Access, 2016, 4, 7331-7346.	3.0	17

#	ARTICLE	IF	CITATIONS
829	Synthetic aperture radar image change detection based on improved bilateral filtering and fuzzy C mean. <i>Journal of Applied Remote Sensing</i> , 2016, 10, 046017.	1.2	7
830	Refined Pan-Sharpener With NSCT and Hierarchical Sparse Autoencoder. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 5715-5725.	4.7	16
831	Local Collaborative Representation With Adaptive Dictionary Selection for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1482-1486.	3.2	10
832	Adaptive unsupervised classification of polarimetric SAR images using the improved affinity propagation clustering algorithm. <i>International Journal of Remote Sensing</i> , 2016, 37, 6023-6040.	2.5	3
833	Evolutionary computation in China: A literature survey. <i>CAAI Transactions on Intelligence Technology</i> , 2016, 1, 334-354.	7.9	15
834	A new quantum-behaved particle swarm optimization based on cultural evolution mechanism for multiobjective problems. <i>Knowledge-Based Systems</i> , 2016, 101, 90-99.	7.0	50
835	Wishart Deep Stacking Network for Fast POLSAR Image Classification. <i>IEEE Transactions on Image Processing</i> , 2016, 25, 3273-3286.	9.5	122
836	SAR Image Registration Based on Multifeature Detection and Arborescence Network Matching. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 706-710.	3.2	50
837	Adaptive Nonlocal Spatial-Spectral Kernel for Hyperspectral Imagery Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 4086-4101.	4.7	26
838	SAR image target recognition via Complementary Spatial Pyramid Coding. <i>Neurocomputing</i> , 2016, 196, 125-132.	5.8	13
839	SAR Image Segmentation Based on Hierarchical Visual Semantic and Adaptive Neighborhood Multinomial Latent Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 4287-4301.	6.4	33
840	Semisupervised Feature Extraction With Neighborhood Constraints for Polarimetric SAR Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3001-3015.	4.7	32
841	Quantum clustering using kernel entropy component analysis. <i>Neurocomputing</i> , 2016, 202, 36-48.	5.8	20
842	SAR Images Change Detection Based on Spatial Coding and Nonlocal Similarity Pooling. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3452-3466.	4.7	23
843	Immune clonal algorithm based on directed evolution for multi-objective capacitated arc routing problem. <i>Applied Soft Computing Journal</i> , 2016, 49, 748-758.	6.0	23
844	Subspace learning-based graph regularized feature selection. <i>Knowledge-Based Systems</i> , 2016, 112, 152-165.	7.0	89
845	Locality-constraint discriminant feature learning for high-resolution SAR image classification. <i>Neurocomputing</i> , 2016, 207, 772-784.	5.8	9
846	A Nonlocal Means for Speckle Reduction of SAR Image With Multiscale-Fusion-Based Steerable Kernel Function. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1646-1650.	3.2	15

#	ARTICLE	IF	CITATIONS
847	Fuzzy Signature-Based Discriminative Subspace Projection for Hyperspectral Data Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4196-4202.	4.7	3
848	Saliency-guided change detection for SAR imagery using a semi-supervised Laplacian SVM. Remote Sensing Letters, 2016, 7, 1043-1052.	1.3	23
849	Cultural quantum-behaved particle swarm optimization for environmental/economic dispatch. Applied Soft Computing Journal, 2016, 48, 597-611.	6.0	48
850	Multi-objective evolutionary fuzzy clustering for image segmentation with MOEA/D. Applied Soft Computing Journal, 2016, 48, 621-637.	6.0	47
851	Curvelet Support Value Filters (CSVFs) for image super-resolution. Neurocomputing, 2016, 211, 53-59.	5.8	6
852	Band selection and evaluation with spatial information. International Journal of Remote Sensing, 2016, 37, 4501-4520.	2.5	23
853	Single image super-resolution reconstruction based on genetic algorithm and regularization prior model. Information Sciences, 2016, 372, 196-207.	6.3	21
854	New classifier based on compressed dictionary and LS-SVM. Neurocomputing, 2016, 216, 617-626.	5.8	8
855	Unsupervised High-Level Feature Extraction of SAR Imagery With Structured Sparsity Priors and Incremental Dictionary Learning. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1467-1471.	3.2	9
856	Sketching Model and Higher Order Neighborhood Markov Random Field-Based SAR Image Segmentation. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1686-1690.	3.2	10
857	Multiple Kernel Learning Based on Discriminative Kernel Clustering for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6516-6530.	6.4	46
858	Dimensionality reduction for hyperspectral image classification based on multiview graphs ensemble. Journal of Applied Remote Sensing, 2016, 10, 030501.	1.2	11
859	Nonnegative coding based ensemble tracking. Journal of Visual Communication and Image Representation, 2016, 41, 166-175.	2.8	0
860	A group matching pursuit for image reconstruction. Signal Processing: Image Communication, 2016, 49, 47-62.	2.3	4
861	Multiobjective optimization of classifiers by means of 3D convex-hull-based evolutionary algorithms. Information Sciences, 2016, 367-368, 80-104.	6.3	24
862	Unsupervised polarimetric synthetic aperture radar image classification based on sketch map and adaptive Markov random field. Journal of Applied Remote Sensing, 2016, 10, 025008.	1.2	8
863	Learning simultaneous adaptive clustering and classification via MOEA. Pattern Recognition, 2016, 60, 37-50.	7.1	11
864	A multiobjective evolutionary algorithm to find community structures based on affinity propagation. Physica A: Statistical Mechanics and Its Applications, 2016, 453, 203-227.	2.7	58

#	ARTICLE	IF	CITATIONS
865	Hierarchical semantic model and scattering mechanism based PolSAR image classification. Pattern Recognition, 2016, 59, 325-342.	7.1	52
866	Adaptive Replacement Strategies for MOEA/D. IEEE Transactions on Cybernetics, 2016, 46, 474-486.	10.0	239
867	Image super-resolution based on the pairwise dictionary selected learning and improved bilateral regularisation. IET Image Processing, 2016, 10, 101-112.	2.1	7
868	PolSAR Image Classification via D-KSVD and NSCT-Domain Features Extraction. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 227-231.	3.2	33
869	A Multi-kernel Joint Sparse Graph for SAR Image Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1265-1285.	4.7	31
870	Geometric structure guided collaborative compressed sensing. Signal Processing: Image Communication, 2016, 40, 16-25.	2.3	3
871	Global discriminative-based nonnegative spectral clustering. Pattern Recognition, 2016, 55, 172-182.	7.1	79
872	Automatic Band Selection Using Spatial-Structure Information and Classifier-Based Clustering. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4352-4360.	4.7	36
873	Spectral "spatial hyperspectral image ensemble classification via joint sparse representation. Pattern Recognition, 2016, 59, 42-54.	7.1	37
874	Semisupervised Discriminant Feature Learning for SAR Image Category via Sparse Ensemble. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3532-3547.	6.4	20
875	Large Polarimetric SAR Data Semi-Supervised Classification With Spatial-Anchor Graph. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1439-1458.	4.7	39
876	Prediction of missing links based on community relevance and ruler inference. Knowledge-Based Systems, 2016, 98, 200-215.	7.0	57
877	Supervised Band Selection Using Local Spatial Information for Hyperspectral Image. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	3.2	72
878	A Spatial Fuzzy Clustering Algorithm With Kernel Metric Based on Immune Clone for SAR Image Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1640-1652.	4.7	65
879	POL-SAR Image Classification Based on Wishart DBN and Local Spatial Information. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3292-3308.	6.4	158
880	Class-Level Joint Sparse Representation for Multifeature-Based Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4160-4177.	4.7	21
881	Local graph regularized sparse reconstruction for salient object detection. Neurocomputing, 2016, 194, 348-359.	5.8	8
882	CRIM-FCHO: SAR Image Two-Stage Segmentation With Multifeature Ensemble. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2400-2423.	6.4	21

#	ARTICLE	IF	CITATIONS
883	SAR Image Classification via Hierarchical Sparse Representation and Multisize Patch Features. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 33-37.	3.2	42
884	Self-representation based dual-graph regularized feature selection clustering. Neurocomputing, 2016, 171, 1242-1253.	5.8	74
885	Regularity Model for Noisy Multiobjective Optimization. IEEE Transactions on Cybernetics, 2016, 46, 1997-2009.	10.0	55
886	Change Detection in Synthetic Aperture Radar Images Based on Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 125-138.	9.5	592
887	Weighted multifeature hyperspectral image classification via kernel joint sparse representation. Neurocomputing, 2016, 178, 71-86.	5.8	24
888	Classification and saliency detection by semi-supervised low-rank representation. Pattern Recognition, 2016, 51, 281-294.	7.1	16
889	Discrete particle swarm optimization for high-order graph matching. Information Sciences, 2016, 328, 158-171.	6.3	37
890	A Sparse Spectral Clustering Framework via Multiobjective Evolutionary Algorithm. IEEE Transactions on Evolutionary Computation, 2016, 20, 418-433.	7.2	41
891	Unsupervised feature selection based on maximum information and minimum redundancy for hyperspectral images. Pattern Recognition, 2016, 51, 295-309.	7.1	113
892	A Multiobjective Evolutionary Algorithm Based on Decision Variable Analyses for Multiobjective Optimization Problems With Large-Scale Variables. IEEE Transactions on Evolutionary Computation, 2016, 20, 275-298.	7.2	468
893	Constrained Subproblems in a Decomposition-Based Multiobjective Evolutionary Algorithm. IEEE Transactions on Evolutionary Computation, 2016, 20, 475-480.	7.2	139
894	Improved Memetic Algorithm Based on Route Distance Grouping for Multiobjective Large Scale Capacitated Arc Routing Problems. IEEE Transactions on Cybernetics, 2016, 46, 1000-1013.	10.0	62
895	Object-level saliency detection with color attributes. Pattern Recognition, 2016, 49, 162-173.	7.1	46
896	An r-dominance-based preference multi-objective optimization for many-objective optimization. Soft Computing, 2016, 21, 5003-5024.	2.4	12
897	A Novel Clonal Selection Algorithm for Community Detection in Complex Networks. Computational Intelligence, 2015, 31, 442-464.	1.9	24
898	Learning Interpolation via Regional Map for Pan-Sharpener. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3417-3431.	6.4	20
899	Overlapping community detection through an improved multi-objective quantum-behaved particle swarm optimization. Journal of Heuristics, 2015, 21, 549-575.	1.1	50
900	Tracking with spatial constrained coding. IET Computer Vision, 2015, 9, 63-74.	1.5	0

#	ARTICLE	IF	CITATIONS
901	Spectral Spatial Classification of Hyperspectral Data Using 3-D Morphological Profile. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2364-2368.	3.2	30
902	Distributed compressed sensing-based pan-sharpening with hybrid dictionary. Neurocomputing, 2015, 155, 320-333.	5.8	21
903	Multilayer CFAR Detection of Ship Targets in Very High Resolution SAR Images. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 811-815.	3.2	84
904	A Three-Component Fisher-Based Feature Weighting Method for Supervised PolSAR Image Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 731-735.	3.2	31
905	Large-scale community detection based on node membership grade and sub-communities integration. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 279-294.	2.7	36
906	A novel dynamic rough subspace based selective ensemble. Pattern Recognition, 2015, 48, 1638-1652.	7.1	29
907	Semisupervised Affinity Propagation Based on Normalized Trivariable Mutual Information for Hyperspectral Band Selection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2760-2773.	4.7	29
908	NNIA-RS: A multi-objective optimization based recommender system. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 383-397.	2.7	53
909	Personalized Recommendation Based on Evolutionary Multi-Objective Optimization [Research Frontier]. IEEE Computational Intelligence Magazine, 2015, 10, 52-62.	2.4	124
910	Mutual-Information-Based Semi-Supervised Hyperspectral Band Selection With High Discrimination, High Information, and Low Redundancy. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2956-2969.	6.4	123
911	Comparing Noisy Patches for Image Denoising: A Double Noise Similarity Model. IEEE Transactions on Image Processing, 2015, 24, 862-872.	9.5	23
912	Hyperspectral Image Classification by Spatial Spectral Derivative-Aided Kernel Joint Sparse Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2485-2500.	4.7	41
913	Saliency generation from complex scene via digraph and Bayesian inference. Neurocomputing, 2015, 170, 176-186.	5.8	3
914	Compressive Hyperspectral Imaging via Sparse Tensor and Nonlinear Compressed Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5943-5957.	6.4	89
915	Change detection in synthetic aperture radar images based on evolutionary multiobjective optimization with ensemble learning. Memetic Computing, 2015, 7, 275-289.	2.2	12
916	A Memetic Optimization Strategy Based on Dimension Reduction in Decision Space. Evolutionary Computation, 2015, 23, 69-100.	1.5	61
917	Hyperspectral image classification using discontinuity adaptive class-relative nonlocal means and energy fusion strategy. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 106, 16-27.	11.3	8
918	Learning compressive sampling via multiscale and steerable support value transform. Knowledge-Based Systems, 2015, 82, 128-138.	7.0	5

#	ARTICLE	IF	CITATIONS
919	Integration of improved predictive model and adaptive differential evolution based dynamic multi-objective evolutionary optimization algorithm. <i>Applied Intelligence</i> , 2015, 43, 192-207.	2.8	38
920	A memetic algorithm for computing and transforming structural balance in signed networks. <i>Knowledge-Based Systems</i> , 2015, 85, 196-209.	7.0	42
921	Hyperspectral imagery classification using local collaborative representation. <i>International Journal of Remote Sensing</i> , 2015, 36, 734-748.	2.5	10
922	Density shrinking algorithm for community detection with path based similarity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 433, 218-228.	2.7	22
923	Change-Detection Map Learning Using Matching Pursuit. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 4712-4723.	6.4	29
924	SAR Images Retrieval Based on Semantic Classification and Region-Based Similarity Measure for Earth Observation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 3876-3891.	4.7	65
925	Fast Multifeature Joint Sparse Representation for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1397-1401.	3.2	46
926	Geometric Nonnegative Matrix Factorization (GNMF) for Hyperspectral Unmixing. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 2696-2703.	4.7	27
927	Trace Norm Regularized CANDECOMP/PARAFAC Decomposition With Missing Data. <i>IEEE Transactions on Cybernetics</i> , 2015, 45, 2437-2448.	10.0	106
928	Multilevel Distribution Coding Model-Based Dictionary Learning for PolSAR Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 5262-5280.	4.7	17
929	Novel Adaptive Component-Substitution-Based Pan-Sharpening Using Particle Swarm Optimization. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 781-785.	3.2	26
930	Greedy discrete particle swarm optimization for large-scale social network clustering. <i>Information Sciences</i> , 2015, 316, 503-516.	6.3	114
931	A new patch based change detector for polarimetric SAR data. <i>Pattern Recognition</i> , 2015, 48, 685-695.	7.1	28
932	Weighted classifier ensemble based on quadratic form. <i>Pattern Recognition</i> , 2015, 48, 1688-1706.	7.1	45
933	An efficient bi-convex fuzzy variational image segmentation method. <i>Information Sciences</i> , 2015, 293, 351-369.	6.3	30
934	The image segmentation based on optimized spatial feature of superpixel. <i>Journal of Visual Communication and Image Representation</i> , 2015, 26, 146-160.	2.8	20
935	Imbalanced Hyperspectral Image Classification Based on Maximum Margin. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 522-526.	3.2	36
936	Two_Arch2: An Improved Two-Archive Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2015, 19, 524-541.	7.2	630

#	ARTICLE	IF	CITATIONS
937	A Novel Point-Matching Algorithm Based on Fast Sample Consensus for Image Registration. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 43-47.	3.2	328
938	Discriminative Spectralâ€“Spatial Margin-Based Semisupervised Dimensionality Reduction of Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 224-228.	3.2	35
939	Nonconvex Compressed Sensing by Nature-Inspired Optimization Algorithms. IEEE Transactions on Cybernetics, 2015, 45, 1042-1053.	10.0	24
940	Prediction of missing links based on multi-resolution community division. Physica A: Statistical Mechanics and Its Applications, 2015, 417, 76-85.	2.7	30
941	Dynamic-context cooperative quantum-behaved particle swarm optimization based on multilevel thresholding applied to medical image segmentation. Information Sciences, 2015, 294, 408-422.	6.3	115
942	Co-evolution-based immune clonal algorithm for clustering. Soft Computing, 2015, 20, 1503-1519.	2.4	9
943	Quantum-inspired multi-objective optimization evolutionary algorithm based on decomposition. Soft Computing, 2015, 20, 3257-3272.	2.4	15
944	MOEA/D with biased weight adjustment inspired by user preference and its application on multi-objective reservoir flood control problem. Soft Computing, 2015, 20, 4999-5023.	2.4	39
945	Immune clonal selection algorithm for capacitated arc routing problem. Soft Computing, 2015, 20, 2177-2204.	2.4	9
946	Pansharpening Based on Low-Rank and Sparse Decomposition. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4793-4805.	4.7	36
947	Remote Sensing Image Super-Resolution Reconstruction Based on Nonlocal Pairwise Dictionaries and Double Regularization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4784-4792.	4.7	41
948	INVESTIGATION OF COMBINATIONAL CLUSTERING INDICES IN ARTIFICIAL IMMUNE MULTIâ€“OBJECTIVE CLUSTERING. Computational Intelligence, 2014, 30, 115-144.	1.9	5
949	SAR image segmentation based on quantum-inspired multiobjective evolutionary clustering algorithm. Information Processing Letters, 2014, 114, 287-293.	0.4	36
950	Discrete particle swarm optimization for identifying community structures in signed social networks. Neural Networks, 2014, 58, 4-13.	5.8	96
951	Two-stage algorithm using influence coefficient for detecting the hierarchical, non-overlapping and overlapping community structure. Physica A: Statistical Mechanics and Its Applications, 2014, 408, 47-61.	2.7	19
952	Sparse Ridgelet Kernel Regressor and its online sequential extreme learning. Neurocomputing, 2014, 134, 173-180.	5.8	6
953	Multi-level learning based memetic algorithm for community detection. Applied Soft Computing Journal, 2014, 19, 121-133.	6.0	107
954	Fuzzy clustering with non-local information for image segmentation. International Journal of Machine Learning and Cybernetics, 2014, 5, 845-859.	2.1	16

#	ARTICLE	IF	CITATIONS
955	Compressive Sensing-Inspired Dual-Sparse SLFNN for Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 220-224.	3.2	8
956	MOEA/D with uniform decomposition measurement for many-objective problems. Soft Computing, 2014, 18, 2541-2564.	2.4	53
957	Immune clonal coevolutionary algorithm for dynamic multiobjective optimization. Natural Computing, 2014, 13, 421-445.	1.0	11
958	A modified objective function method with feasible-guiding strategy to solve constrained multi-objective optimization problems. Applied Soft Computing Journal, 2014, 14, 363-380.	6.0	113
959	A simplified low rank and sparse graph for semi-supervised learning. Neurocomputing, 2014, 140, 84-96.	5.8	22
960	Improve the performance of co-training by committee with refinement of class probability estimations. Neurocomputing, 2014, 136, 30-40.	5.8	25
961	Hyperspectral Image Classification Based on Nonlocal Means With a Novel Class-Relativity Measurement. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1300-1304.	3.2	10
962	Automatic image segmentation using constraint learning and propagation. , 2014, 24, 106-116.		6
963	Novel heuristic density-based method for community detection in networks. Physica A: Statistical Mechanics and Its Applications, 2014, 403, 71-84.	2.7	35
964	Unsupervised change detection in SAR images based on locally fitting model and semi-EM algorithm. International Journal of Remote Sensing, 2014, 35, 621-650.	2.5	21
965	Local Maximal Homogeneous Region Search for SAR Speckle Reduction With Sketch-Based Geometrical Kernel Function. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5751-5764.	6.4	30
966	Hyperspectral Image Classification Based on Relaxed Clustering Assumption and Spatial Laplace Regularizer. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 901-905.	3.2	14
967	Data-Driven Compressive Sampling and Learning Sparse Coding for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 479-483.	3.2	28
968	A Novel Coarse-to-Fine Scheme for Automatic Image Registration Based on SIFT and Mutual Information. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4328-4338.	6.4	275
969	Pansharpener by exploiting sharpness of the spatial structure. International Journal of Remote Sensing, 2014, 35, 6662-6673.	2.5	4
970	MOEA/D with opposition-based learning for multiobjective optimization problem. Neurocomputing, 2014, 146, 48-64.	5.8	120
971	Modified Co-Training With Spectral and Spatial Views for Semisupervised Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2044-2055.	4.7	74
972	Compressed sensing by collaborative reconstruction on overcomplete dictionary. Signal Processing, 2014, 103, 92-102.	3.3	18

#	ARTICLE	IF	CITATIONS
973	Semi-supervised classification via kernel low-rank representation graph. Knowledge-Based Systems, 2014, 69, 150-158.	7.0	36
974	Reference direction based immune clone algorithm for many-objective optimization. Frontiers of Computer Science, 2014, 8, 642-655.	2.2	5
975	An Improved Decomposition-Based Memetic Algorithm for Multi-Objective Capacitated Arc Routing Problem. Applied Soft Computing Journal, 2014, 19, 343-361.	6.0	31
976	Detecting changes of the Yellow River Estuary via SAR images based on a local fit-search model and kernel-induced graph cuts. International Journal of Remote Sensing, 2014, 35, 4009-4030.	2.5	21
977	Resource allocation model and double-sphere crowding distance for evolutionary multi-objective optimization. European Journal of Operational Research, 2014, 234, 197-208.	5.7	17
978	Change detection in SAR images by artificial immune multi-objective clustering. Engineering Applications of Artificial Intelligence, 2014, 31, 53-67.	7.6	49
979	A multi-population cooperative coevolutionary algorithm for multi-objective capacitated arc routing problem. Information Sciences, 2014, 277, 609-642.	6.3	67
980	Fusion of multispectral and panchromatic images via sparse representation and local autoregressive model. Information Fusion, 2014, 20, 73-87.	15.8	60
981	Unsupervised images segmentation via incremental dictionary learning based sparse representation. Information Sciences, 2014, 269, 48-59.	6.3	21
982	A compressed sensing approach for efficient ensemble learning. Pattern Recognition, 2014, 47, 3451-3465.	7.1	9
983	SAR change detection based on intensity and texture changes. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 93, 123-135.	11.3	82
984	MOEA/D with Baldwinian learning inspired by the regularity property of continuous multiobjective problem. Neurocomputing, 2014, 145, 336-352.	5.8	33
985	Semisupervised Dual-Geometric Subspace Projection for Dimensionality Reduction of Hyperspectral Image Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3587-3593.	6.4	23
986	MOEA/D with Adaptive Weight Adjustment. Evolutionary Computation, 2014, 22, 231-264.	1.5	835
987	Inter-frame constrained coding based on superpixel for tracking. Visual Computer, 2014, 31, 701-715.	2.0	1
988	Multiobjective nondominated neighbor coevolutionary algorithm with elite population. Soft Computing, 2014, 19, 1329-1349.	2.4	17
989	An orthogonal predictive model-based dynamic multi-objective optimization algorithm. Soft Computing, 2014, 19, 3083-3107.	2.4	16
990	Scaling cut criterion-based discriminant analysis for supervised dimension reduction. Knowledge and Information Systems, 2014, 43, 633-655.	2.5	13

#	ARTICLE	IF	CITATIONS
991	Identification of multi-resolution network structures with multi-objective immune algorithm. Applied Soft Computing Journal, 2013, 13, 1705-1717.	6.0	39
992	Arithmetic coding for image compression with adaptive weight-context classification. Signal Processing: Image Communication, 2013, 28, 727-735.	2.3	11
993	Compressive feature and kernel sparse coding-based radar target recognition. IET Radar, Sonar and Navigation, 2013, 7, 755-763.	1.4	20
994	Superpixel-wise semi-supervised structural sparse coding classifier for image segmentation. Engineering Applications of Artificial Intelligence, 2013, 26, 2608-2612.	7.6	5
995	High resolution range-reflectivity estimation of radar targets via compressive sampling and Memetic Algorithm. Information Sciences, 2013, 252, 144-156.	6.3	10
996	Community detection based on modularity and an improved genetic algorithm. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1215-1231.	2.7	182
997	Low-rank representation with local constraint for graph construction. Neurocomputing, 2013, 122, 398-405.	5.8	64
998	Minimum spanning trees for community detection. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2265-2277.	2.7	13
999	A novel selection evolutionary strategy for constrained optimization. Information Sciences, 2013, 239, 122-141.	6.3	65
1000	Phase transition model for community detection. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1287-1301.	2.7	16
1001	Selective multiple kernel learning for classification with ensemble strategy. Pattern Recognition, 2013, 46, 3081-3090.	7.1	27
1002	Dictionary learning and similarity regularization based image noise reduction. Journal of Visual Communication and Image Representation, 2013, 24, 181-186.	2.8	11
1003	Kernel generalized fuzzy c-means clustering with spatial information for image segmentation. , 2013, 23, 184-199.		77
1004	Image segmentation based on differential immune clone clustering algorithm. International Journal of Intelligent Computing and Cybernetics, 2013, 6, 83-102.	1.7	6
1005	Parallel unsupervised Synthetic Aperture Radar image change detection on a graphics processing unit. International Journal of High Performance Computing Applications, 2013, 27, 109-122.	1.8	7
1006	Enhancing community integrity of networks against multilevel targeted attacks. Physical Review E, 2013, 88, .	2.1	35
1007	Image change detection based on an improved rough fuzzy c-means clustering algorithm. International Journal of Machine Learning and Cybernetics, 2013, 5, 369-377.	2.1	37
1008	Quantum immune clonal coevolutionary algorithm for dynamic multiobjective optimization. Soft Computing, 2013, 18, 743-756.	2.4	71

#	ARTICLE	IF	CITATIONS
1009	A novel cooperative coevolutionary dynamic multi-objective optimization algorithm using a new predictive model. <i>Soft Computing</i> , 2013, 18, 1913-1929.	2.4	47
1010	Quadratic interpolation based orthogonal learning particle swarm optimization algorithm. <i>Natural Computing</i> , 2013, 13, 17-37.	1.0	10
1011	Multi-objective evolutionary for synthetic aperture radar image segmentation with non-local means denoising. <i>Natural Computing</i> , 2013, 13, 39-53.	1.0	6
1012	Improved RM-MEDA with local learning. <i>Soft Computing</i> , 2013, 18, 1383-1397.	2.4	15
1013	Overlapping community detection via network dynamics. <i>Physical Review E</i> , 2012, 85, .	2.1	52
1014	Pan-sharpening method via ARSIS concept under image super-resolution scheme. <i>Journal of Electronic Imaging</i> , 2012, 21, 030501-1.	0.8	0
1015	Multi-objective immune algorithm with Baldwinian learning. <i>Applied Soft Computing Journal</i> , 2012, 12, 2654-2674.	6.0	46
1016	Evolution-enhanced multiscale overcomplete dictionaries learning for image denoising. <i>Engineering Applications of Artificial Intelligence</i> , 2012, 25, 1259-1264.	7.6	3
1017	An improved cooperative quantum-behaved particle swarm optimization. <i>Soft Computing</i> , 2012, 16, 1061-1069.	2.4	61
1018	Fusion of multispectral and panchromatic images based on support value transform and adaptive principal component analysis. <i>Information Fusion</i> , 2012, 13, 177-184.	15.8	93
1019	Gene transposon based clone selection algorithm for automatic clustering. <i>Information Sciences</i> , 2012, 204, 1-22.	6.3	33
1020	Compressive Sampling based Single-Image Super-resolution Reconstruction by dual-sparsity and Non-local Similarity Regularizer. <i>Pattern Recognition Letters</i> , 2012, 33, 1049-1059.	3.0	23
1021	Synchronization on overlapping community network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 508-514.	2.7	16
1022	Community detection in networks by using multiobjective evolutionary algorithm with decomposition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4050-4060.	2.7	232
1023	A Novel Immune Clonal Algorithm for MO Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2012, 16, 35-50.	7.2	138
1024	A preference multi-objective optimization based on adaptive rank clone and differential evolution. <i>Natural Computing</i> , 2012, 12, 109-132.	1.0	12
1025	Despeckling SAR images based on a new probabilistic model in nonsubsamped contourlet transform domain. <i>Signal, Image and Video Processing</i> , 2012, 8, 1459-1474.	1.7	6
1026	Memetic algorithm for community detection in networks. <i>Physical Review E</i> , 2011, 84, .	2.1	200

#	ARTICLE	IF	CITATIONS
1027	Multitask dictionary learning and sparse representation based single-image super-resolution reconstruction. <i>Neurocomputing</i> , 2011, 74, 3193-3203.	5.8	74
1028	Artificial immune multi-objective SAR image segmentation with fused complementary features. <i>Information Sciences</i> , 2011, 181, 2797-2812.	6.3	60
1029	Approximation of functions with spatial inhomogeneity based on $\epsilon$ -ortho-ridgelet neural network. <i>Applied Soft Computing Journal</i> , 2011, 11, 2444-2451.	6.0	4
1030	A granular agent evolutionary algorithm for classification. <i>Applied Soft Computing Journal</i> , 2011, 11, 3093-3105.	6.0	13
1031	Bagging-based spectral clustering ensemble selection. <i>Pattern Recognition Letters</i> , 2011, 32, 1456-1467.	3.0	92
1032	Image fusion based on a new contourlet packet. <i>Information Fusion</i> , 2010, 11, 78-84.	15.8	193
1033	Quantum-inspired immune clone algorithm and multiscale Bandelet based image representation. <i>Pattern Recognition Letters</i> , 2010, 31, 1894-1902.	3.0	12
1034	Memetic computation based on regulation between neural and immune systems: the framework and a case study. <i>Science China Information Sciences</i> , 2010, 53, 1519-1527.	4.0	5
1035	An immune memory clonal algorithm for numerical and combinatorial optimization. <i>Frontiers of Computer Science</i> , 2010, 4, 536-559.	0.5	6
1036	SAR Image Despeckling Using Edge Detection and Feature Clustering in Bandelet Domain. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2010, 7, 131-135.	3.2	56
1037	Natural and Remote Sensing Image Segmentation Using Memetic Computing. <i>IEEE Computational Intelligence Magazine</i> , 2010, 5, 78-91.	2.4	64
1038	Baldwinian learning in clonal selection algorithm for optimization. <i>Information Sciences</i> , 2010, 180, 1218-1236.	6.3	90
1039	ADAPTIVE RANKS CLONE AND $\epsilon$ -NEAREST NEIGHBOR LIST $\epsilon$ -BASED IMMUNE MULTI-OBJECTIVE OPTIMIZATION. <i>Computational Intelligence</i> , 2010, 26, 359-385.	1.9	36
1040	Adaptive Tracking for Periodically Time-Varying and Nonlinearly Parameterized Systems Using Multilayer Neural Networks. <i>IEEE Transactions on Neural Networks</i> , 2010, 21, 345-351.	3.2	157
1041	Adaptive Backstepping Fuzzy Control for Nonlinearly Parameterized Systems With Periodic Disturbances. <i>IEEE Transactions on Fuzzy Systems</i> , 2010, 18, 674-685.	9.9	207
1042	Soft spectral clustering ensemble applied to image segmentation. <i>Frontiers of Computer Science</i> , 2010, 5, 66-78.	0.5	13
1043	A linear ridgelet network. <i>Neurocomputing</i> , 2009, 73, 468-477.	5.8	9
1044	Immune secondary response and clonal selection inspired optimizers. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 237-253.	6.0	34

#	ARTICLE	IF	CITATIONS
1045	Immunodominance and clonal selection inspired multiobjective clustering. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 751-758.	6.0	12
1046	ADAPTIVE MULTI-OBJECTIVE OPTIMIZATION BASED ON NONDOMINATED SOLUTIONS. <i>Computational Intelligence</i> , 2009, 25, 84-108.	1.9	36
1047	Adjusting from disjoint to overlapping community detection of complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 5045-5056.	2.7	46
1048	Radar target recognition using contourlet packet transform and neural network approach. <i>Signal Processing</i> , 2009, 89, 394-409.	3.3	25
1049	Immune algorithm with orthogonal design based initialization, cloning, and selection for global optimization. <i>Knowledge and Information Systems</i> , 2009, 25, 523-549.	2.5	28
1050	Hybrid immune algorithm with Lamarckian local search for multi-objective optimization. <i>Memetic Computing</i> , 2009, 2, 47-67.	2.2	25
1051	Synchronization in dynamic networks with nonsymmetrical time-delay coupling based on linear feedback controllers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 2111-2119.	2.7	36
1052	Multiobjective optimization using an immunodominance and clonal selection inspired algorithm. <i>Science in China Series F: Information Sciences</i> , 2008, 51, 1064-1082.	0.4	13
1053	A new directional multi-resolution ridgelet network. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2008, 3, 198-203.	0.2	4
1054	Synchronization in complex dynamical networks with nonsymmetric coupling. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 2487-2498.	2.8	37
1055	Robust adaptive global synchronization of complex dynamical networks by adjusting time-varying coupling strength. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1369-1380.	2.7	106
1056	Spectral Clustering Ensemble Applied to SAR Image Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 2126-2136.	6.4	210
1057	A population-based artificial immune system for numerical optimization. <i>Neurocomputing</i> , 2008, 72, 149-161.	5.8	47
1058	Synthetic aperture radar image despeckling via spatially adaptive shrinkage in the nonsubsampling contourlet transform domain. <i>Journal of Electronic Imaging</i> , 2008, 17, 013013.	0.8	13
1059	Quantum-Inspired Immune Clonal Algorithm for Global Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008, 38, 1234-1253.	4.7	131
1060	Training Hard-Margin Support Vector Machines Using Greedy Stagewise Algorithm. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 1446-1455.	3.2	14
1061	Global Synchronization and State Tuning in Asymmetric Complex Dynamical Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008, 55, 932-936.	2.3	12
1062	Wavelet-Based Bayesian Image Estimation: From Marginal and Bivariate Prior Models to Multivariate Prior Models. <i>IEEE Transactions on Image Processing</i> , 2008, 17, 469-481.	9.5	11

#	ARTICLE	IF	CITATIONS
1063	Multiobjective Immune Algorithm with Nondominated Neighbor-Based Selection. <i>Evolutionary Computation</i> , 2008, 16, 225-255.	1.5	499
1064	Image texture classification using a manifold-distance-based evolutionary clustering method. <i>Optical Engineering</i> , 2008, 47, 077201.	0.9	34
1065	Fast Sparse Approximation for Least Squares Support Vector Machine. <i>IEEE Transactions on Neural Networks</i> , 2007, 18, 685-697.	3.2	173
1066	An Organizational Evolutionary Algorithm for Numerical Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007, 37, 1052-1064.	4.7	31
1067	Observer-based synchronization in complex dynamical networks with nonsymmetric coupling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 386, 469-480.	2.7	24
1068	Synchronization in complex delayed dynamical networks with nonsymmetric coupling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 386, 513-530.	2.7	87
1069	Geometrical multi-resolution network based on ridgelet frame. <i>Signal Processing</i> , 2007, 87, 750-761.	3.3	6
1070	Ridgelet kernel regression. <i>Neurocomputing</i> , 2007, 70, 3046-3055.	5.8	16
1071	Multivariate Statistical Models for Image Denoising in the Wavelet Domain. <i>International Journal of Computer Vision</i> , 2007, 75, 209-230.	6.1	30
1072	An organizational coevolutionary algorithm for classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2006, 10, 67-80.	7.2	73
1073	Image denoising using the ridgelet bi-frame. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006, 23, 2449.	1.3	2
1074	Multi-objective evolutionary design and knowledge discovery of logic circuits based on an adaptive genetic algorithm. <i>Genetic Programming and Evolvable Machines</i> , 2006, 7, 195-210.	0.4	29
1075	A fuzzy CLOPE algorithm and its optimal parameter choice. <i>Journal of Electronics</i> , 2006, 23, 384-388.	0.0	4
1076	Wavelet Support Vector Machine. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004, 34, 34-39.	4.7	443
1077	Multiwavelet neural network and its approximation properties. <i>IEEE Transactions on Neural Networks</i> , 2001, 12, 1060-1066.	3.2	62
1078	Semantic-Aware Wavelet Transformer for Pyramid Learning Object Detection. <i>IEEE Transactions on Multimedia</i> , 0, 27, 8016-8028.	7.6	0
1079	Multi-Gaussian Prototype Metric With Dual Optimization for Cross-Domain Few-Shot Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 0, 63, 1-19.	6.4	0
1080	Quantum splitting convolutional neural network-based distributed quantum disease detection model. <i>Neurocomputing</i> , 0, 655, 131410.	5.8	0

#	ARTICLE	IF	CITATIONS
1081	Self-Supervised Learning of Contrast-Diffusion Models for Land Cover Classification in SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-20.	6.4	0
1082	Anomaly-Led Prompting Learning Caption Generating Model and Benchmark. IEEE Transactions on Multimedia, 0, 27, 8366-8380.	7.6	0
1083	Spatial-Temporal Diffusion Model for Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 0, 37, 299-311.	9.5	0
1084	DCIFNet: Cross-Modal Fusion With Correction and Interaction for Optical-SAR Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-18.	6.4	1
1085	Tiny object detection based on dynamic scale-awareness label assignment and contextual enhancement. Pattern Recognition, 0, 172, 112449.	7.1	0
1086	Disentangling Domain-Invariant Features From Few Samples for Automatic Modulation Classification. IEEE Transactions on Cognitive Communications and Networking, 0, 12, 1525-1538.	5.2	0
1087	Temperature-Aware Dynamic Fusion Network for Few-Shot Segmentation of Infrared Images. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-14.	6.4	0
1088	Incremental Land Cover Classification via Soft Label and Subregion Distillation. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-22.	6.4	0
1089	Dual Causal-Aware Detection Transformer for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-14.	6.4	0
1090	Dual-Net: Dual Visual Spectral Affinity Monitoring Network for Hyperspectral Anomaly Detection. IEEE Transactions on Circuits and Systems for Video Technology, 0, , 1-1.	9.1	0
1091	Generalization-Aware Remote Sensing Change Detection via Domain-Agnostic Learning. IEEE Transactions on Multimedia, 0, 27, 9354-9370.	7.6	2
1092	PID: A Parameter-Efficient Isolation Domain-Incremental Learning Framework for Signal Modulation Classification. IEEE Transactions on Neural Networks and Learning Systems, 0, , 1-14.	9.5	0
1093	FUNet: Frequency-Aware and Uncertainty-Guiding Network for Rain-Hazy Image Restoration. IEEE Transactions on Multimedia, 0, 27, 9902-9917.	7.6	0
1094	A Progressive Semi-Distillation Model for Dual-Source Remote Sensing Image Classification. IEEE Transactions on Cybernetics, 0, 56, 67-80.	10.0	1
1095	Language-Guided Progressive Query Refinement With Diffusion Model for Visual Grounding on Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-14.	6.4	0
1096	HATNet: Hierarchical Attention Transformer With RS-CLIP Patch Tokens for Remote Sensing Image Captioning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 0, 18, 27208-27223.	4.7	1
1097	A Physics-Aware Collaborative Framework with Prototype Consistency for Noisy Labels Signal Modulation Classification. IEEE Internet of Things Journal, 0, , 1-1.	6.9	0
1098	Self-Guided Discriminative Locality Preserving Projections. IEEE Transactions on Multimedia, 0, 28, 333-343.	7.6	0

#	ARTICLE	IF	CITATIONS
1099	Adaptive Multi-Modal Visual Tracking With Dynamic Semantic Prompts. IEEE Transactions on Multimedia, 0, 28, 915-928.	7.6	0
1100	Group Interaction Network With Wavelet Attention for Remote Sensing Image Change Detection. IEEE Geoscience and Remote Sensing Letters, 0, 23, 1-5.	3.2	0
1101	A Lightweight Multifeature Hybrid Mamba for Remote Sensing Image Scene Classification. IEEE Geoscience and Remote Sensing Letters, 0, 23, 1-5.	3.2	0
1102	Hierarchical Prototype Learning With Uncertainty-Aware Adaptation for Cross-Domain Semantic Segmentation of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-16.	6.4	0
1103	Adaptive Scale-Aware Semantic Memory Network for Remote Sensing Image Captioning. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-18.	6.4	0
1104	Reconstruction-Enhanced Prototype Network for Hyperspectral Image Open-Set Classification. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-13.	6.4	0
1105	Deep semi-supervised relation preserving learning model. Pattern Recognition, 0, 173, 112793.	7.1	0
1106	PromptVAD: Abnormal Prompt via Vision-Language Model. IEEE Transactions on Neural Networks and Learning Systems, 0, , 1-15.	9.5	0
1107	Local-Global Spectral Feature-Aware Learning for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-15.	6.4	0
1108	A Rotation and Scale Invariant Map Matching Method for UAV Visual Geolocalization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 0, 19, 1616-1627.	4.7	0
1109	Physics-Informed Matrix Factorization Operator. IEEE Transactions on Pattern Analysis and Machine Intelligence, 0, 48, 3556-3570.	11.2	0
1110	C2F-Net: Coarse-to-Fine Feature Alignment for Cross-Channel Automatic Modulation Classification. IEEE Transactions on Cognitive Communications and Networking, 0, 12, 4610-4623.	5.2	0
1111	Multidistribution Time-Series Prototype Learning for Crop Mapping With Sentinel-1 SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 0, 63, 1-15.	6.4	0
1112	DGNMF: Dynamic Diffusion Graph Nonnegative Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 0, , 1-13.	9.5	0
1113	Text augmentation for vision: Modality-preference aware few-shot learning. Knowledge-Based Systems, 0, 335, 115122.	7.0	0
1114	Causality-inspired learning semantic segmentation in unseen domain. Pattern Recognition, 0, 174, 113006.	7.1	0
1115	Like Human Rethinking: Contour Transformer AutoRegression for Referring Remote Sensing Interpretation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 0, , 1-18.	11.2	0
1116	Multiscale Spatial-Frequency Learning for Degradation Decoupling in RS Image Restoration. IEEE Transactions on Multimedia, 0, , 1-16.	7.6	0

#	ARTICLE	IF	CITATIONS
1117	PixDiff: Multiresolution Diffusion Network With Pixelization for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 0, 64, 1-13.	6.4	0
1118	OT-AD: Optimal Transport-Guided Transformer for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 0, 64, 1-18.	6.4	0