

Licheng Jiao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8786729/licheng-jiao-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

480 papers	11,749 citations	53 h-index	85 g-index
518 ext. papers	14,529 ext. citations	5.9 avg, IF	7.25 L-index

#	Paper	IF	Citations
480	Automatic Graph Learning Convolutional Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-16	8.1	3
479	Feature Split-Merge-Enhancement Network for Remote Sensing Object Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	9
478	Dynamic Graph-Level Neural Network for SAR Image Change Detection. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022 , 19, 1-5	4.1	2
477	Spatial Pooling Graph Convolutional Network for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	4
476	A Neural Network Based on Consistency Learning and Adversarial Learning for Semi-supervised Synthetic Aperture Radar Ship Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	1
475	A Lightweight Top-Down Multi-Person Pose Estimation Method Based on Symmetric Transformation and Global Matching. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
474	Few-Shot Hyperspectral Image Classification Based on Adaptive Subspaces and Feature Transformation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	3
473	Multi-label semantic feature fusion for remote sensing image captioning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022 , 184, 1-18	11.8	2
472	Local community detection based on higher-order structure and edge information. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022 , 587, 126513	3.3	2
471	Multiobjective guided divide-and-conquer network for hyperspectral pansharpening. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	3
470	Hyperspectral Image Classification Based on Superpixel Feature Subdivision and Adaptive Graph Structure. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-15	8.1	1
469	Heterogeneous Transformer Learning Framework for RS Scene Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022 , 15, 2223-2239	4.7	9
468	Max-Index Based Local Self-Similarity Descriptor for Robust Multi-Modal Image Registration. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022 , 19, 1-5	4.1	6
467	Dual Modality Collaborative Learning for Cross-Source Remote Sensing Retrieval. <i>Remote Sensing</i> , 2022 , 14, 1319	5	1
466	Parameter selection of Touzi decomposition and a distribution improved autoencoder for PolSAR image classification. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022 , 186, 246-266	11.8	2
465	Sparse and low-dimensional representation with maximum entropy adaptive graph for feature selection. <i>Neurocomputing</i> , 2022 , 485, 57-73	5.4	1
464	Sparse Feature Clustering Network for Unsupervised SAR Image Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	1

463	Fast and Effective: A Novel Sequential Single-Path Search for Mixed-Precision-Quantized Networks.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	1
462	Class-Level Prototype Guided Multiscale Feature Learning for Remote Sensing Scene Classification With Limited Labels. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-15	8.1	1
461	A Collaborative Correlation-Matching Network for Multimodality Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-18	8.1	
460	Self-Distillation Feature Learning Network for Optical and SAR Image Registration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	3
459	Spatial feature-based convolutional neural network for PolSAR image classification. <i>Applied Soft Computing Journal</i> , 2022 , 123, 108922	7.5	5
458	Contrastive Learning-Based Dual Dynamic GCN for SAR Image Scene Classification.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	7
457	Dual-Graph Global and Local Concept Factorization for Data Clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , 1-14	10.3	
456	Very Low-Resolution Moving Vehicle Detection in Satellite Videos. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	0
455	MANet: Multi-scale Aware-relation Network for Semantic Segmentation in Aerial Scenes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	2
454	Accelerated Variance Reduction Stochastic ADMM for Large-Scale Machine Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 4242-4255	13.3	6
453	New Contour Cue-Based Hybrid Sparse Learning for Salient Object Detection. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4212-4226	10.2	4
452	Deep Learning in Visual Tracking: A Review.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	6
451	Reconstruction Error-based Decomposition Feature Selection for PolSAR Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	
450	Adaptive Fuzzy Learning Superpixels Representation for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	
449	Multi-label Aerial Image Classification via Adjacency-Based Label and Feature Co-embedding. <i>Lecture Notes in Computer Science</i> , 2021 , 384-395	0.9	
448	Hyperspectral Imagery Classification Based on Contrastive Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	15
447	Meta-hashing for Remote Sensing Image Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	6
446	Multi-Scale Representation Learning for Image Classification: A Survey. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	4

445	A Spatial-Channel Collaborative Attention Network for Enhancement of Multiresolution Classification. <i>Remote Sensing</i> , 2021 , 13, 106	5	6
444	Multiscale Curvelet Scattering Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	3
443	SAR Image Registration Based on ROEWA-Blocks and Multiscale Circle Descriptor. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 1-1	4.7	0
442	Two-Stream Spatial-Temporal Graph Convolutional Networks for Driver Drowsiness Detection. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
441	Understanding Private Car Aggregation Effect via Spatio-Temporal Analysis of Trajectory Data. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	10
440	High-Resolution Remote Sensing Images Change Detection with Siamese Holistically-Guided FCN 2021 ,		2
439	Object Detection in Large-Scale Remote-Sensing Images Based on Time-Frequency Analysis and Feature Optimization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	1
438	A Multi-Scale Progressive Collaborative Attention Network for Remote Sensing Fusion Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	5
437	Convolutional Neural Network Based on Bandwise-Independent Convolution and Hard Thresholding for Hyperspectral Band Selection. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4414-4428	10.2	22
436	Representative Learning via Span-Based Mutual Information for PolSAR Image Classification. <i>Remote Sensing</i> , 2021 , 13, 1609	5	2
435	GRS-Det: An Anchor-Free Rotation Ship Detector Based on Gaussian-Mask in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 3518-3531	8.1	24
434	Deep Hash Learning for Remote Sensing Image Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 3420-3443	8.1	29
433	Analytical Study on a 700 V Triple RESURF LDMOS With a Variable High-K Dielectric Trench. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 2872-2878	2.9	3
432	A Lightweight Keypoint-Based Oriented Object Detection of Remote Sensing Images. <i>Remote Sensing</i> , 2021 , 13, 2459	5	3
431	PSMD-Net: A Novel Pan-Sharpening Method Based on a Multiscale Dense Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 4957-4971	8.1	9
430	Deep multi-level fusion network for multi-source image pixel-wise classification. <i>Knowledge-Based Systems</i> , 2021 , 221, 106921	7.3	9
429	Cost-Sensitive Latent Space Learning for Imbalanced PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 4802-4817	8.1	4
428	Multi-Scale Fused SAR Image Registration Based on Deep Forest. <i>Remote Sensing</i> , 2021 , 13, 2227	5	3

427	A spatial-channel progressive fusion ResNet for remote sensing classification. <i>Information Fusion</i> , 2021 , 70, 72-87	16.7	17
426	Dual space latent representation learning for unsupervised feature selection. <i>Pattern Recognition</i> , 2021 , 114, 107873	7.7	5
425	Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing Based on Endmember Independence and Spatial Weighted Abundance. <i>Remote Sensing</i> , 2021 , 13, 2348	5	2
424	A Deep Detection Network Based on Interaction of Instance Segmentation and Object Detection for SAR Images. <i>Remote Sensing</i> , 2021 , 13, 2582	5	16
423	Residual Spectral-Spatial Attention Network for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 449-462	8.1	111
422	Selective Adversarial Adaptation-Based Cross-Scene Change Detection Framework in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 2188-2203	8.1	11
421	C-CNN: Contourlet Convolutional Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 2636-2649	10.3	30
420	Attention Multibranch Convolutional Neural Network for Hyperspectral Image Classification Based on Adaptive Region Search. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5054-5070	8.1	29
419	Multiscale CNN With Autoencoder Regularization Joint Contextual Attention Network for SAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 1200-1213	8.1	10
418	Change Detection in SAR Images Using Multiobjective Optimization and Ensemble Strategy. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 1585-1589	4.1	7
417	Multiobjective evolutionary algorithm assisted stacked autoencoder for PolSAR image classification. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100794	9.8	10
416	iCmSC: Incomplete Cross-Modal Subspace Clustering. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 305-317	8.7	8
415	Sparse Learning-Based Correlation Filter for Robust Tracking. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 878-891	8.7	11
414	Hyperspectral Image Classification Based on 3-D Octave Convolution With Spatial-Spectral Attention Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 2430-2447	8.1	53
413	Efficient Convolutional Neural Architecture Search for Remote Sensing Image Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 6092-6105	8.1	15
412	End-to-End Ensemble Learning by Exploiting the Correlation Between Individuals and Weights. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2835-2846	10.2	5
411	Large-Scale Semantic 3-D Reconstruction: Outcome of the 2019 IEEE GRSS Data Fusion Contest Part B. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 1158-1170	4.7	10
410	A Novel Adaptive Hybrid Fusion Network for Multiresolution Remote Sensing Images Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-17	8.1	4

409	Element-Wise Feature Relation Learning Network for Cross-Spectral Image Patch Matching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
408	Remote Sensing Image Super-Resolution via Dual-Resolution Network Based on Connected Attention Mechanism. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	2
407	An Unsupervised Remote Sensing Change Detection Method Based on Multiscale Graph Convolutional Network and Metric Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	13
406	Semantic Attention and Scale Complementary Network for Instance Segmentation in Remote Sensing Images. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	8
405	A Lightweight Spectral-Spatial Convolution Module for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	9
404	Adversarial Multi-Path Residual Network for Image Super-Resolution. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 6648-6658	8.7	4
403	Hyperspectral Image Classification Based on Deep Attention Graph Convolutional Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	21
402	Dual-Channel Capsule Generation Adversarial Network for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	14
401	Foreground Refinement Network for Rotated Object Detection in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	3
400	SAR Image Segmentation Based on Constrained Smoothing and Hierarchical Label Correction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	4
399	Network Pruning for Remote Sensing Images Classification Based on Interpretable CNNs. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	3
398	Attention Consistent Network for Remote Sensing Scene Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 2030-2045	4.7	40
397	Hyperspectral Image Classification With Mixed Link Networks. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 2494-2507	4.7	11
396	Polarimetric Multipath Convolutional Neural Network for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-18	8.1	2
395	New Generation Deep Learning for Video Object Detection: A Survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	17
394	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
393	IPGN: Interactiveness Proposal Graph Network for Human-Object Interaction Detection. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 6583-6593	8.7	4
392	GAFnet: Group Attention Fusion Network for PAN and MS Image High-Resolution Classification. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	12

391	Recurrent Attention and Semantic Gate for Remote Sensing Image Captioning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	4
390	Cross-Layer Attention Network for Small Object Detection in Remote Sensing Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 2148-2161	4.7	16
389	Deep Reinforcement Learning for Semisupervised Hyperspectral Band Selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-19	8.1	16
388	Dual-Collaborative Fusion Model for Multispectral and Panchromatic Image Fusion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	7
387	Spectral-Difference Low-Rank Representation Learning for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	12
386	A Hybrid Network With Structural Constraints for SAR Image Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-17	8.1	2
385	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 363-378	8.1	4
384	Background Representation Learning With Structural Constraint for Hyperspectral Anomaly Detection. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	0
383	N-Cluster Loss and Hard Sample Generative Deep Metric Learning for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	
382	Multi-Relation Attention Network for Image Patch Matching. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7127-7142	8.7	4
381	Laplacian Feature Pyramid Network for Object Detection in VHR Optical Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	7
380	Nonlinear Projective Dictionary Pair Learning for PolSAR Image Classification. <i>IEEE Access</i> , 2021 , 9, 70650-70661	5.3	3
379	Spectral Partitioning Residual Network With Spatial Attention Mechanism for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	14
378	MBLT: Learning Motion and Background for Vehicle Tracking in Satellite Videos. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	3
377	A Multi-Scale Spatial Attention Region Proposal Network for High-Resolution Optical Remote Sensing Imagery. <i>Remote Sensing</i> , 2021 , 13, 3362	5	5
376	A two-stage hybrid ant colony optimization for high-dimensional feature selection. <i>Pattern Recognition</i> , 2021 , 116, 107933	7.7	15
375	Non-Invasive Heart Rate Estimation From Ballistocardiograms Using Bidirectional LSTM Regression. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 3396-3407	7.2	1
374	Graph Convolutional Neural Networks with Geometric and Discrimination information. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 104, 104364	7.2	4

373	Few-shot electromagnetic signal classification: A data union augmentation method. <i>Chinese Journal of Aeronautics</i> , 2021 ,	3.7	3
372	Contralaterally Enhanced Networks for Thoracic Disease Detection. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2428-2438	11.7	3
371	NAS-Guided Lightweight Multiscale Attention Fusion Network for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 8754-8767	8.1	16
370	A deep fusion framework for unlabeled data-driven tumor recognition. <i>Pattern Recognition</i> , 2021 , 119, 108066	7.7	
369	Hyperspectral image classification based on spatial and spectral kernels generation network. <i>Information Sciences</i> , 2021 , 578, 435-456	7.7	6
368	Dual-graph convolutional network based on band attention and sparse constraint for hyperspectral band selection. <i>Knowledge-Based Systems</i> , 2021 , 231, 107428	7.3	5
367	Nonoverlapped Sampling for Hyperspectral Imagery: Performance Evaluation and a Cotraining-Based Classification Strategy. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	
366	Ridgelet-Nets With Speckle Reduction Regularization for SAR Image Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-17	8.1	4
365	Remote Sensing Object Tracking With Deep Reinforcement Learning Under Occlusion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	6
364	Multitask Semantic Boundary Awareness Network for Remote Sensing Image Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	20
363	ARIDet: An Accurate and Real-Time Rotational One-Stage Ship Detector in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	4
362	A Mutual Information-Based Self-Supervised Learning Model for PolSAR Land Cover Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	11
361	DPFL-Nets: Deep Pyramid Feature Learning Networks for Multiscale Change Detection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	7
360	L1-Sparsity-Regularized Attention Multiple-Instance Network for Hyperspectral Target Detection. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	3
359	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	7
358	Superpixel Boundary-Based Edge Description Algorithm for SAR Image Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 1972-1985	4.7	13
357	Deep tracking using double-correlation filters by membership weighted decision. <i>Pattern Recognition Letters</i> , 2020 , 136, 161-167	4.7	
356	Fuzzy Superpixels Based Semi-Supervised Similarity-Constrained CNN for PolSAR Image Classification. <i>Remote Sensing</i> , 2020 , 12, 1694	5	7

355	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8583-8597	8.1	17
354	Sketch-Based Region Adaptive Sparse Unmixing Applied to Hyperspectral Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8840-8856	8.1	6
353	Dynamic Immunization Node Model for Complex Networks Based on Community Structure and Threshold. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	3
352	SAR Image Segmentation Using Region Smoothing and Label Correction. <i>Remote Sensing</i> , 2020 , 12, 803	5	9
351	A Convolutional Neural Network with Parallel Multi-Scale Spatial Pooling to Detect Temporal Changes in SAR Images. <i>Remote Sensing</i> , 2020 , 12, 1619	5	8
350	Self-Supervised Representation Learning for Remote Sensing Image Change Detection Based on Temporal Prediction. <i>Remote Sensing</i> , 2020 , 12, 1868	5	19
349	Multi-scale Adaptive Feature Fusion Network for Semantic Segmentation in Remote Sensing Images. <i>Remote Sensing</i> , 2020 , 12, 872	5	35
348	Evolutionary computation-based multiobjective capacitated arc routing optimizations 2020 , 233-300		
347	A Multi-Level Attention Model for Remote Sensing Image Captions. <i>Remote Sensing</i> , 2020 , 12, 939	5	10
346	Hyperspectral Image Super-Resolution Based on Tensor Spatial-Spectral Joint Correlation Regularization. <i>IEEE Access</i> , 2020 , 8, 63654-63665	3.5	1
345	Complex network structure extraction based on community relevance. <i>International Journal of Modern Physics C</i> , 2020 , 31, 2050062	1.1	
344	A survey on image and video cosegmentation: Methods, challenges and analyses. <i>Pattern Recognition</i> , 2020 , 103, 107297	7.7	0
343	Subspace learning for unsupervised feature selection via adaptive structure learning and rank approximation. <i>Neurocomputing</i> , 2020 , 413, 72-84	5.4	5
342	SSCV-GANs: Semi-Supervised Complex-Valued GANs for PolSAR Image Classification. <i>IEEE Access</i> , 2020 , 8, 146560-146576	3.5	1
341	Deep Feature-Based Multitask Joint Sparse Representation for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1578-1582	4.1	1
340	Modified Tensor Distance-Based Multiview Spectral Embedding for PolSAR Land Cover Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 2095-2099	4.1	6
339	Structure Label Matrix Completion for PolSAR Image Classification. <i>Remote Sensing</i> , 2020 , 12, 459	5	
338	Double feature selection algorithm based on low-rank sparse non-negative matrix factorization. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 1891-1908	3.8	4

337	Regularized Sparse Band Selection via Learned Pairwise Agreement. <i>IEEE Access</i> , 2020 , 8, 40096-40105	3.5	
336	POL-SAR Image Classification Based on Modified Stacked Autoencoder Network and Data Distribution. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 1678-1695	8.1	13
335	Application of Data Driven Optimization for Change Detection in Synthetic Aperture Radar Images. <i>IEEE Access</i> , 2020 , 8, 11426-11436	3.5	5
334	Hyperspectral imagery classification with cascaded support vector machines and multi-scale superpixel segmentation. <i>International Journal of Remote Sensing</i> , 2020 , 41, 4530-4550	3.1	9
333	A thumbnail-based hierarchical fuzzy clustering algorithm for SAR image segmentation. <i>Signal Processing</i> , 2020 , 171, 107518	4.4	12
332	Dense connection and depthwise separable convolution based CNN for polarimetric SAR image classification. <i>Knowledge-Based Systems</i> , 2020 , 194, 105542	7.3	41
331	A Distribution and Structure Match Generative Adversarial Network for SAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 3864-3880	8.1	13
330	Online Active Extreme Learning Machine With Discrepancy Sampling for PolSAR Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 2027-2041	8.1	8
329	PolSAR Feature Extraction Via Tensor Embedding Framework for Land Cover Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 2337-2351	8.1	11
328	RADet: Refine Feature Pyramid Network and Multi-Layer Attention Network for Arbitrary-Oriented Object Detection of Remote Sensing Images. <i>Remote Sensing</i> , 2020 , 12, 389	5	44
327	Quantum Optimization and Quantum Learning: A Survey. <i>IEEE Access</i> , 2020 , 8, 23568-23593	3.5	20
326	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	3.5	12
325	Generative Adversarial Networks Based on Collaborative Learning and Attention Mechanism for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2020 , 12, 1149	5	48
324	Deep Multiview Union Learning Network for Multisource Image Classification. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	10
323	Lightweight convolutional neural network for bitemporal SAR image change detection. <i>Journal of Applied Remote Sensing</i> , 2020 , 14, 1	1.4	3
322	Supervised Edge Attention Network for Accurate Image Instance Segmentation. <i>Lecture Notes in Computer Science</i> , 2020 , 617-631	0.9	6
321	A Deep Learning Filter for Visual Drone Single Object Tracking. <i>Lecture Notes in Computer Science</i> , 2020 , 638-650	0.9	2
320	A Lightweight Convolutional Neural Network for Bitemporal Image Change Detection 2020 ,		4

319	Supervised Adaptive-RPN Network for Object Detection in Remote Sensing Images 2020 ,		1
318	Remote Sensing Scene Classification Based on Global and Local Consistent Network 2020 ,		1
317	Remote Sensing Images Feature Learning based On Multi-Branch Networks 2020 ,		1
316	Generative adversarial network-based electromagnetic signal classification: A semi-supervised learning framework. <i>China Communications</i> , 2020 , 17, 157-169	3	7
315	Class Incremental Learning With Few-Shots Based on Linear Programming for Hyperspectral Image Classification. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	7
314	A Dual Residual Network with Channel Attention for Image Restoration. <i>Lecture Notes in Computer Science</i> , 2020 , 352-363	0.9	1
313	Parallel design of sparse deep belief network with multi-objective optimization. <i>Information Sciences</i> , 2020 , 533, 24-42	7.7	3
312	Non-overlapping classification of hyperspectral imagery based on set-to-sets distance. <i>Neurocomputing</i> , 2020 , 378, 422-434	5.4	3
311	Object Detection in High-Resolution Panchromatic Images Using Deep Models and Spatial Template Matching. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 956-970	8.1	14
310	Unsupervised EA-Based Fuzzy Clustering for Image Segmentation. <i>IEEE Access</i> , 2020 , 8, 8627-8647	3.5	4
309	A DualBranch Attention fusion deep network for multiresolution remoteSensing image classification. <i>Information Fusion</i> , 2020 , 58, 116-131	16.7	26
308	Fully Convolutional Network-Based Ensemble Method for Road Extraction From Aerial Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1777-1781	4.1	23
307	Hyperspectral Imagery Classification Based on Compressed Convolutional Neural Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1583-1587	4.1	6
306	Multi-Feature Weighted Sparse Graph for SAR Image Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 881-891	8.1	5
305	Semisupervised Classification of PolSAR Image Incorporating LabelsSemantic Priors. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1737-1741	4.1	3
304	Complex Contourlet-CNN for polarimetric SAR image classification. <i>Pattern Recognition</i> , 2020 , 100, 10711-9	11.9	20
303	Complex network graph embedding method based on shortest path and MOEA/D for community detection. <i>Applied Soft Computing Journal</i> , 2020 , 97, 106764	7.5	6
302	Hyperspectral Anomaly Detection Based on Low-Rank Representation With Data-Driven Projection and Dictionary Construction. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 2226-2239	4.7	14

301	Semantic Segmentation for SAR Image Based on Texture Complexity Analysis and Key Superpixels. <i>Remote Sensing</i> , 2020 , 12, 2141	5	8
300	Multi-Resolution Prediction Model Based on Community Relevance for Missing Links Prediction. <i>IEEE Access</i> , 2020 , 8, 113981-113993	3.5	0
299	Background Subtraction Based on GAN and Domain Adaptation for VHR Optical Remote Sensing Videos. <i>IEEE Access</i> , 2020 , 8, 119144-119157	3.5	7
298	A Multiscale Self-Adaptive Attention Network for Remote Sensing Scene Classification. <i>Remote Sensing</i> , 2020 , 12, 2209	5	7
297	SAR Image Speckle Reduction based on a Generative Adversarial Network 2020 ,		2
296	High-quality depth up-sampling via a supervised classification guided MRF model. <i>Pattern Recognition Letters</i> , 2020 , 138, 315-320	4.7	
295	Scene Attention Mechanism for Remote Sensing Image Caption Generation 2020 ,		7
294	. <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1	6.6	16
293	A Two-Stage Evolutionary Fuzzy Clustering Framework for Noisy Image Segmentation. <i>IEEE Access</i> , 2020 , 8, 186663-186678	3.5	1
292	Discriminative Sketch Topic Model With Structural Constraint for SAR Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 5730-5745	4.7	6
291	Quantum-Inspired Evolutionary Algorithm for Convolutional Neural Networks Architecture Search 2020 ,		3
290	Hyperspectral Image Classification via Slice Sparse Coding Tensor Based Classifier With Compressive Dimensionality Reduction. <i>IEEE Access</i> , 2020 , 8, 145207-145215	3.5	1
289	Building Extraction of Aerial Images by a Global and Multi-Scale Encoder-Decoder Network. <i>Remote Sensing</i> , 2020 , 12, 2350	5	28
288	Superjunction LDMOS With Dual Gate for Low On-Resistance and High Transconductance. <i>IEEE Journal of the Electron Devices Society</i> , 2020 , 8, 890-896	2.3	9
287	A Unified Scalable Equivalent Formulation for Schatten Quasi-Norms. <i>Mathematics</i> , 2020 , 8, 1325	2.3	1
286	Products of Generalized Stochastic Matrices With Applications to Consensus Analysis in Networks of Multiagents With Delays. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 386-399	10.2	2
285	VR-SGD: A Simple Stochastic Variance Reduction Method for Machine Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 188-202	4.2	25
284	Multi-layer interaction preference based multi-objective evolutionary algorithm through decomposition. <i>Information Sciences</i> , 2020 , 509, 420-436	7.7	7

283	Hyper-Parameter Optimization Using MARS Surrogate for Machine-Learning Algorithms. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 287-297	4.1	6
282	Sparse Manifold-Regularized Neural Networks for Polarimetric SAR Terrain Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 3007-3016	10.3	10
281	Semi-Supervised Graph Regularized Deep NMF With Bi-Orthogonal Constraints for Data Representation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 3245-3258	10.3	18
280	SAR Image Change Detection via Spatial Metric Learning With an Improved Mahalanobis Distance. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 77-81	4.1	10
279	Sparse and low-redundant subspace learning-based dual-graph regularized robust feature selection. <i>Knowledge-Based Systems</i> , 2020 , 187, 104830	7.3	20
278	Transfer stacking from low-to high-fidelity: A surrogate-assisted bi-fidelity evolutionary algorithm. <i>Applied Soft Computing Journal</i> , 2020 , 92, 106276	7.5	8
277	Large-Scale Remote Sensing Image Retrieval Based on Semi-Supervised Adversarial Hashing. <i>Remote Sensing</i> , 2019 , 11, 2055	5	26
276	Spectral-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	7
275	Rotation-Based Deep Forest for Hyperspectral Imagery Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1105-1109	4.1	16
274	Adaptive sparse graph learning based dimensionality reduction for classification. <i>Applied Soft Computing Journal</i> , 2019 , 82, 105459	7.5	6
273	Maximizing diversity by transformed ensemble learning. <i>Applied Soft Computing Journal</i> , 2019 , 82, 105580	7.5	19
272	Adaptive Multiscale Deep Fusion Residual Network for Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 8506-8521	8.1	36
271	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	4.1	8
270	Aerial Image Road Extraction Based on an Improved Generative Adversarial Network. <i>Remote Sensing</i> , 2019 , 11, 930	5	31
269	Hyperspectral imagery classification with deep metric learning. <i>Neurocomputing</i> , 2019 , 356, 217-227	5.4	20
268	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 2612-2626	4.7	48
267	PolSAR image classification based on multi-scale stacked sparse autoencoder. <i>Neurocomputing</i> , 2019 , 351, 167-179	5.4	13
266	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	54

265	Color Correction and Depth-Based Hierarchical Hole Filling in Free Viewpoint Generation. <i>IEEE Transactions on Broadcasting</i> , 2019 , 65, 294-307	4.7	3
264	Adversarial Reconstruction-Classification Networks for PolSAR Image Classification. <i>Remote Sensing</i> , 2019 , 11, 415	5	5
263	Divide-and-Conquer Dual-Architecture Convolutional Neural Network for Classification of Hyperspectral Images. <i>Remote Sensing</i> , 2019 , 11, 484	5	12
262	Transferred Deep Learning-Based Change Detection in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 6960-6973	8.1	47
261	Semi-Supervised Deep Fuzzy C-Mean Clustering for Imbalanced Multi-Class Classification. <i>IEEE Access</i> , 2019 , 7, 28100-28112	3.5	27
260	Multimodal Remote Sensing Image Registration Based on Image Transfer and Local Features. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1210-1214	4.1	27
259	Classification of Hyperspectral Images Based on Multiclass SpatialSpectral Generative Adversarial Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 5329-5343	8.1	79
258	How Can Despeckling and Structural Features Benefit to Change Detection on Bitemporal SAR Images?. <i>Remote Sensing</i> , 2019 , 11, 421	5	10
257	Complex-Valued Convolutional Autoencoder and Spatial Pixel-Squares Refinement for Polarimetric SAR Image Classification. <i>Remote Sensing</i> , 2019 , 11, 522	5	11
256	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	8.1	71
255	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	19
254	Local discriminative based sparse subspace learning for feature selection. <i>Pattern Recognition</i> , 2019 , 92, 219-230	7.7	34
253	An adjustable fuzzy classification algorithm using an improved multi-objective genetic strategy based on decomposition for imbalance dataset. <i>Knowledge and Information Systems</i> , 2019 , 61, 1583-1605	2.4	3
252	A Pareto-Based Sparse Subspace Learning Framework. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3859-3872	10.2	5
251	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	10.3	53
250	Parallel implementations of frame rate up-conversion algorithm using OpenCL on heterogeneous computing devices. <i>Multimedia Tools and Applications</i> , 2019 , 78, 9311-9334	2.5	2
249	SAR image change detection based on deep denoising and CNN. <i>IET Image Processing</i> , 2019 , 13, 1509-1515	5	18
248	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	5	2

247	. <i>IEEE Access</i> , 2019 , 7, 104848-104863	3.5	48
246	Multipath Residual Network for Spectral-Spatial Hyperspectral Image Classification. <i>Remote Sensing</i> , 2019 , 11, 1896	5	20
245	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	8.1	51
244	Stacked Fisher autoencoder for SAR change detection. <i>Pattern Recognition</i> , 2019 , 96, 106971	7.7	37
243	Non-overlapping classification of hyperspectral imagery with superpixel segmentation. <i>Applied Soft Computing Journal</i> , 2019 , 83, 105630	7.5	8
242	Gradient regularized convolutional neural networks for low-dose CT image enhancement. <i>Physics in Medicine and Biology</i> , 2019 , 64, 165017	3.8	7
241	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	2.3	11
240	Evolving deep convolutional neural networks by quantum behaved particle swarm optimization with binary encoding for image classification. <i>Neurocomputing</i> , 2019 , 362, 156-165	5.4	28
239	CNN-Based Polarimetric Decomposition Feature Selection for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 8796-8812	8.1	28
238	A Novel Multi-Model Decision Fusion Network for Object Detection in Remote Sensing Images. <i>Remote Sensing</i> , 2019 , 11, 737	5	22
237	Semi-Supervised PolSAR Image Classification Based on Self-Training and Superpixels. <i>Remote Sensing</i> , 2019 , 11, 1933	5	14
236	Accelerated Incremental Gradient Descent using Momentum Acceleration with Scaling Factor 2019 ,		4
235	Cross-Spectral Image Patch Matching by Learning Features of the Spatially Connected Patches in a Shared Space. <i>Lecture Notes in Computer Science</i> , 2019 , 115-130	0.9	2
234	Stacked auto-encoder for classification of polarimetric SAR images based on scattering energy. <i>International Journal of Remote Sensing</i> , 2019 , 40, 5094-5120	3.1	3
233	A Novel Two-Step Registration Method for Remote Sensing Images Based on Deep and Local Features. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 4834-4843	8.1	58
232	Variational Learning of Mixture Wishart Model for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 141-154	8.1	10
231	Better and Faster: Exponential Loss for Image Patch Matching 2019 ,		6
230	Spatial Attention for Multi-Scale Feature Refinement for Object Detection 2019 ,		7

229	signADAM++: Learning Confidences for Deep Neural Networks 2019 ,		2
228	A Novel Deep Framework for Change Detection of Multi-source Heterogeneous Images 2019 ,		1
227	2019 ,		11
226	A Novel Spatial and Temporal Context-Aware Approach for Drone-Based Video Object Detection 2019 ,		1
225	Accuracy and Long-Term Tracking via Overlap Maximization Integrated with Motion Continuity 2019 ,		2
224	Semi-Coupled Convolutional Sparse Learning for Image Super-Resolution. <i>Remote Sensing</i> , 2019 , 11, 2593	5	1
223	Weight-Variable Scattering Convolution Networks and Its Application in Electromagnetic Signal Classification. <i>IEEE Access</i> , 2019 , 7, 175889-175896	3.5	4
222	Semi-Supervised Complex-Valued GAN for Polarimetric SAR Image Classification 2019 ,		3
221	A Superpixel-Based Relational Auto-Encoder for Feature Extraction of Hyperspectral Images. <i>Remote Sensing</i> , 2019 , 11, 2454	5	8
220	MSARN: A Deep Neural Network Based on an Adaptive Recalibration Mechanism for Multiscale and Arbitrary-Oriented SAR Ship Detection. <i>IEEE Access</i> , 2019 , 7, 159262-159283	3.5	29
219	A Survey on the New Generation of Deep Learning in Image Processing. <i>IEEE Access</i> , 2019 , 7, 172231-172263	3.5	40
218	Sar Image Change Detection Based on Mean Shift Pre-Classification and Fuzzy C-Means 2019 ,		6
217	Fully Dense Multiscale Fusion Network for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2019 , 11, 2718	5	20
216	Object Detection and Trcacking Based on Convolutional Neural Networks for High-Resolution Optical Remote Sensing Video 2019 ,		2
215	Adversarial Hash-Code Learning for Remote Sensing Image Retrieval 2019 ,		9
214	A Novel Deep Feature Fusion Network For Remote Sensing Scene Classification 2019 ,		7
213	Multi-Scale Feature Fusion Network for Object Detection in VHR Optical Remote Sensing Images 2019 ,		7
212	Unsupervised classification for polarimetric SAR images based on the improved CFSFDP algorithm. <i>International Journal of Remote Sensing</i> , 2019 , 40, 3154-3178	3.1	3

211	Local Descriptor Learning for Change Detection in Synthetic Aperture Radar Images via Convolutional Neural Networks. <i>IEEE Access</i> , 2019 , 7, 15389-15403	3.5	23
210	Imbalanced Learning-Based Automatic SAR Images Change Detection by Morphologically Supervised PCA-Net. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 554-558	4.1	24
209	Polarimetric Convolutional Network for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 3040-3054	8.1	51
208	Task-Oriented GAN for PolSAR Image Classification and Clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2707-2719	10.3	41
207	A Novel Neural Network for Remote Sensing Image Matching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2853-2865	10.3	30
206	Fast unsupervised deep fusion network for change detection of multitemporal SAR images. <i>Neurocomputing</i> , 2019 , 332, 56-70	5.4	17
205	Multi-objective artificial immune algorithm for fuzzy clustering based on multiple kernels. <i>Swarm and Evolutionary Computation</i> , 2019 , 50, 100485	9.8	19
204	A Novel Semicoupled Projective Dictionary Pair Learning Method for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 2407-2418	8.1	5
203	Densely connected deep random forest for hyperspectral imagery classification. <i>International Journal of Remote Sensing</i> , 2019 , 40, 3606-3622	3.1	16
202	Hyperspectral Anomaly Detection via Background and Potential Anomaly Dictionaries Construction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 2263-2276	8.1	64
201	Unsupervised feature selection based on kernel fisher discriminant analysis and regression learning. <i>Machine Learning</i> , 2019 , 108, 659-686	4	10
200	A dynamic local cluster ratio-based band selection algorithm for hyperspectral images. <i>Soft Computing</i> , 2019 , 23, 8281-8289	3.5	3
199	A novel location-based DNA matching algorithm for hyperspectral image classification. <i>Memetic Computing</i> , 2019 , 11, 175-191	3.4	1
198	Unsupervised feature selection based on self-representation sparse regression and local similarity preserving. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 757-770	3.8	11
197	Optimization based on nonlinear transformation in decision space. <i>Soft Computing</i> , 2019 , 23, 3571-3590	3.5	1
196	Pan-sharpening via deep metric learning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 145, 165-183	11.8	44
195	Feature selection based dual-graph sparse non-negative matrix factorization for local discriminative clustering. <i>Neurocomputing</i> , 2018 , 290, 87-99	5.4	46
194	Target-Oriented High-Resolution SAR Image Formation via Semantic Information Guided Regularizations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 1922-1939	8.1	8

193	Fuzzy Superpixels for Polarimetric SAR Images Classification. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2846-2860	8.3	42
192	Hybrid Probabilistic Sparse Coding With Spatial Neighbor Tensor for Hyperspectral Imagery Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 2491-2502	8.1	4
191	Adaptive Super-Resolution for Remote Sensing Images Based on Sparse Representation With Global Joint Dictionary Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 2312-2327	8.1	35
190	Fuzzy Sparse Autoencoder Framework for Single Image Per Person Face Recognition. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2402-2415	10.2	29
189	Deep Multiple Instance Learning-Based Spatial Spectral Classification for PAN and MS Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 461-473	8.1	47
188	Multifeature Hyperspectral Image Classification With Local and Nonlocal Spatial Information via Markov Random Field in Semantic Space. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 1409-1424	8.1	47
187	Dual-graph regularized non-negative matrix factorization with sparse and orthogonal constraints. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 69, 24-35	7.2	33
186	A deep learning framework for remote sensing image registration. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 145, 148-164	11.8	136
185	Fast hyperspectral band selection based on spatial feature extraction. <i>Journal of Real-Time Image Processing</i> , 2018 , 15, 555-564	1.9	9
184	A Hybrid Method of SAR Speckle Reduction Based on Geometric-Structural Block and Adaptive Neighborhood. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 730-748	8.1	16
183	Fuzzy Double C-Means Clustering Based on Sparse Self-Representation. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 612-626	8.3	45
182	Non-Negative Spectral Learning and Sparse Regression-Based Dual-Graph Regularized Feature Selection. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 793-806	10.2	71
181	Global Low-Rank Image Restoration With Gaussian Mixture Model. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1827-1838	10.2	13
180	A self-paced learning algorithm for change detection in synthetic aperture radar images. <i>Signal Processing</i> , 2018 , 142, 375-387	4.4	23
179	A modified convolutional neural network for face sketch synthesis. <i>Pattern Recognition</i> , 2018 , 76, 125-136	3.7	28
178	Spatial Sequential Recurrent Neural Network for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 4141-4155	4.7	60
177	Marginal Stacked Autoencoder With Adaptively-Spatial Regularization for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 3297-3311	4.7	16
176	Hyperspectral Unmixing via Low-Rank Representation with Space Consistency Constraint and Spectral Library Pruning. <i>Remote Sensing</i> , 2018 , 10, 339	5	41

175	Patch-Sorted Deep Feature Learning for High Resolution SAR Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 3113-3126	4.7	24
174	Hyperspectral Unmixing via Deep Convolutional Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 1755-1759	4.1	71
173	Discriminative Feature Learning for Real-Time SAR Automatic Target Recognition With the Nonlinear Analysis Cospase Model. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 1045-1049	4.1	8
172	Deep Multiscale Spectral-Spatial Feature Fusion for Hyperspectral Images Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2911-2924	4.7	44
171	SAR Targets Classification Based on Deep Memory Convolution Neural Networks and Transfer Parameters. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2834-2846	4.7	58
170	An external learning assisted self-examples learning for image super-resolution. <i>Neurocomputing</i> , 2018 , 312, 107-119	5.4	3
169	How Does the Low-Rank Matrix Decomposition Help Internal and External Learnings for Super-Resolution. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 1086-1099	8.7	7
168	A Novel Deep Fully Convolutional Network for PolSAR Image Classification. <i>Remote Sensing</i> , 2018 , 10, 1984	5	20
167	Semi-Supervised Tensorial Locally Linear Embedding for Feature Extraction Using PolSAR Data. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2018 , 12, 1476-1490	7.5	13
166	Unsupervised Deep Feature Learning for Remote Sensing Image Retrieval. <i>Remote Sensing</i> , 2018 , 10, 1243	5	54
165	Classification of PolSAR Images Using Multilayer Autoencoders and a Self-Paced Learning Approach. <i>Remote Sensing</i> , 2018 , 10, 110	5	25
164	Deep Multiple Feature Fusion for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 3880-3891	4.7	20
163	Sparse Subspace Clustering-Based Feature Extraction for PolSAR Imagery Classification. <i>Remote Sensing</i> , 2018 , 10, 391	5	6
162	Adaptive Hierarchical Multinomial Latent Model With Hybrid Kernel Function for SAR Image Semantic Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 1-19	8.1	10
161	Decomposition-Feature-Iterative-Clustering-Based Superpixel Segmentation for PolSAR Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 1239-1243	4.1	16
160	Tensor-Based Low-Rank Graph With Multimanifold Regularization for Dimensionality Reduction of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 4731-4746	8.1	32
159	Discriminant deep belief network for high-resolution SAR image classification. <i>Pattern Recognition</i> , 2017 , 61, 686-701	7.7	103
158	A community integration strategy based on an improved modularity density increment for large-scale networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 469, 471-485	3.3	28

157	Fusion Similarity-Based Reranking for SAR Image Retrieval. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 242-246	4.1	29
156	SAR Image Content Retrieval Based on Fuzzy Similarity and Relevance Feedback. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 1824-1842	4.7	43
155	PolSAR image compression based on online sparse K-SVD dictionary learning. <i>Multimedia Tools and Applications</i> , 2017 , 76, 24859-24870	2.5	2
154	Superpixel-Based Multiple Local CNN for Panchromatic and Multispectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 4141-4156	8.1	81
153	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	15.6	20
152	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	27
151	Remote Sensing Image Registration With Modified SIFT and Enhanced Feature Matching. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 3-7	4.1	142
150	Mixed second order partial derivatives decomposition method for large scale optimization. <i>Applied Soft Computing Journal</i> , 2017 , 61, 1013-1021	7.5	8
149	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	18
148	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	7.5	25
147	Two-Stage Reranking for Remote Sensing Image Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 5798-5817	8.1	38
146	Fast Classification for Large Polarimetric SAR Data Based on Refined Spatial-Anchor Graph. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1589-1593	4.1	12
145	Nonnegative Matrix Factorization with Rank Regularization and Hard Constraint. <i>Neural Computation</i> , 2017 , 29, 2553-2579	2.9	7
144	Hyperspectral image classification based on filtering: a comparative study. <i>Journal of Applied Remote Sensing</i> , 2017 , 11, 035007	1.4	11
143	Robust Semisupervised Classification for PolSAR Image With Noisy Labels. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 6440-6455	8.1	16
142	A Memetic Algorithm Based on Decomposition and Extended Search for Multi-Objective Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2017 , 272-283	0.9	0
141	Multilayer Projective Dictionary Pair Learning and Sparse Autoencoder for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 6683-6694	8.1	29
140	Deep Fully Convolutional Network-Based Spatial Distribution Prediction for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 5585-5599	8.1	126

139	SAR Image segmentation based on convolutional-wavelet neural network and markov random field. <i>Pattern Recognition</i> , 2017 , 64, 255-267	7.7	114
138	Quantum-behaved particle swarm optimization with collaborative attractors for nonlinear numerical problems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 44, 167-183	3.7	12
137	Unsupervised saliency-guided SAR image change detection. <i>Pattern Recognition</i> , 2017 , 61, 309-326	7.7	42
136	Unsupervised Classification of Polarimetric SAR Image Via Improved Manifold Regularized Low-Rank Representation With Multiple Features. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 580-595	4.7	13
135	Quantum-behaved discrete multi-objective particle swarm optimization for complex network clustering. <i>Pattern Recognition</i> , 2017 , 63, 1-14	7.7	72
134	Semi-supervised double sparse graphs based discriminant analysis for dimensionality reduction. <i>Pattern Recognition</i> , 2017 , 61, 361-378	7.7	34
133	Dimensionality Reduction of Hyperspectral Imagery Using Sparse Graph Learning. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 1165-1181	4.7	23
132	A Novel Image Representation Framework Based on Gaussian Model and Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 265-280	15.6	8
131	Context-Based Max-Margin for PolSAR Image Classification. <i>IEEE Access</i> , 2017 , 5, 24070-24077	3.5	8
130	Recursive Autoencoders-Based Unsupervised Feature Learning for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1928-1932	4.1	53
129	Change detection in synthetic aperture radar images based on log-mean operator and stacked auto-encoder 2017 ,		3
128	POLSAR Image Classification via Wishart-AE Model or Wishart-CAE Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 3604-3615	4.7	51
127	Weighted Wishart distance learning for PolSAR image classification. <i>International Journal of Remote Sensing</i> , 2017 , 38, 5232-5250	3.1	5
126	A Sparse Spectral Clustering Framework via Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 418-433	15.6	32
125	Unsupervised feature selection based on maximum information and minimum redundancy for hyperspectral images. <i>Pattern Recognition</i> , 2016 , 51, 295-309	7.7	77
124	Constrained Subproblems in a Decomposition-Based Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 475-480	15.6	99
123	Object-level saliency detection with color attributes. <i>Pattern Recognition</i> , 2016 , 49, 162-173	7.7	34
122	MOEA/D with biased weight adjustment inspired by user preference and its application on multi-objective reservoir flood control problem. <i>Soft Computing</i> , 2016 , 20, 4999-5023	3.5	28

121	Immune clonal selection algorithm for capacitated arc routing problem. <i>Soft Computing</i> , 2016 , 20, 2177-2204	3.5	9
120	Single image super-resolution reconstruction based on genetic algorithm and regularization prior model. <i>Information Sciences</i> , 2016 , 372, 196-207	7.7	15
119	Terrain classification with Polarimetric SAR based on Deep Sparse Filtering Network 2016 ,		6
118	Sketching Model and Higher Order Neighborhood Markov Random Field-Based SAR Image Segmentation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1686-1690	4.1	8
117	Multiple Kernel Learning Based on Discriminative Kernel Clustering for Hyperspectral Band Selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 6516-6530	8.1	28
116	A multiobjective evolutionary algorithm to find community structures based on affinity propagation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 453, 203-227	3.3	42
115	Hierarchical semantic model and scattering mechanism based PolSAR image classification. <i>Pattern Recognition</i> , 2016 , 59, 325-342	7.7	37
114	Difference representation learning using stacked restricted Boltzmann machines for change detection in SAR images. <i>Soft Computing</i> , 2016 , 20, 4645-4657	3.5	34
113	Quantum-inspired multi-objective optimization evolutionary algorithm based on decomposition. <i>Soft Computing</i> , 2016 , 20, 3257-3272	3.5	7
112	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 227-231	4.1	27
111	A Multi-kernel Joint Sparse Graph for SAR Image Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1265-1285	4.7	28
110	Global discriminative-based nonnegative spectral clustering. <i>Pattern Recognition</i> , 2016 , 55, 172-182	7.7	65
109	Spectral-spatial hyperspectral image ensemble classification via joint sparse representation. <i>Pattern Recognition</i> , 2016 , 59, 42-54	7.7	29
108	Semisupervised Discriminant Feature Learning for SAR Image Category via Sparse Ensemble. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 3532-3547	8.1	16
107	Large Polarimetric SAR Data Semi-Supervised Classification With Spatial-Anchor Graph. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1439-1458	4.7	30
106	Prediction of missing links based on community relevance and ruler inference. <i>Knowledge-Based Systems</i> , 2016 , 98, 200-215	7.3	42
105	Supervised Band Selection Using Local Spatial Information for Hyperspectral Image. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 1-5	4.1	47
104	A Spatial Fuzzy Clustering Algorithm With Kernel Metric Based on Immune Clone for SAR Image Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1640-1652	4.7	56

103	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 3292-3308	8.1	115
102	Local graph regularized sparse reconstruction for salient object detection. <i>Neurocomputing</i> , 2016 , 194, 348-359	5.4	8
101	CRIM-FCHO: SAR Image Two-Stage Segmentation With Multifeature Ensemble. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 2400-2423	8.1	17
100	SAR Image Classification via Hierarchical Sparse Representation and Multisize Patch Features. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 33-37	4.1	32
99	Self-representation based dual-graph regularized feature selection clustering. <i>Neurocomputing</i> , 2016 , 171, 1242-1253	5.4	57
98	Change Detection in Synthetic Aperture Radar Images Based on Deep Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 125-38	10.3	339
97	Weighted multifeature hyperspectral image classification via kernel joint sparse representation. <i>Neurocomputing</i> , 2016 , 178, 71-86	5.4	22
96	Classification and saliency detection by semi-supervised low-rank representation. <i>Pattern Recognition</i> , 2016 , 51, 281-294	7.7	11
95	Hierarchical Sparse Learning with Spectral-Spatial Information for Hyperspectral Imagery Denoising. <i>Sensors</i> , 2016 , 16,	3.8	9
94	Classification of Polarimetric SAR Images Using Multilayer Autoencoders and Superpixels. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 3072-3081	4.7	80
93	. <i>IEEE Access</i> , 2016 , 4, 7331-7346	3.5	13
92	Denoising of low dose CT image with context-based BM3D 2016 ,		10
91	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	3.1	3
90	A new quantum-behaved particle swarm optimization based on cultural evolution mechanism for multiobjective problems. <i>Knowledge-Based Systems</i> , 2016 , 101, 90-99	7.3	34
89	Wishart Deep Stacking Network for Fast POLSAR Image Classification. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3273-3286	8.7	81
88	SAR Image Registration Based on Multifeature Detection and Arborescence Network Matching. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 706-710	4.1	32
87	Adaptive Nonlocal SpatialSpectral 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	23
86	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	8.1	26

85	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	26
84	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	19
83	Subspace learning-based graph regularized feature selection. <i>Knowledge-Based Systems</i> , 2016 , 112, 152-165	4.5	59
82	Locality-constraint discriminant feature learning for high-resolution SAR image classification. <i>Neurocomputing</i> , 2016 , 207, 772-784	5.4	5
81	Multi-objective evolutionary fuzzy clustering for image segmentation with MOEA/D. <i>Applied Soft Computing Journal</i> , 2016 , 48, 621-637	7.5	35
80	Band selection and evaluation with spatial information. <i>International Journal of Remote Sensing</i> , 2016 , 37, 4501-4520	3.1	21
79	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2485-2500	4.7	34
78	Change detection in synthetic aperture radar images based on evolutionary multiobjective optimization with ensemble learning. <i>Memetic Computing</i> , 2015 , 7, 275-289	3.4	10
77	Density shrinking algorithm for community detection with path based similarity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 433, 218-228	3.3	20
76	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 4712-4723	8.1	23
75	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	46
74	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 5262-5280	4.7	14
73	A new patch based change detector for polarimetric SAR data. <i>Pattern Recognition</i> , 2015 , 48, 685-695	7.7	23
72	Weighted classifier ensemble based on quadratic form. <i>Pattern Recognition</i> , 2015 , 48, 1688-1706	7.7	27
71	An orthogonal predictive model-based dynamic multi-objective optimization algorithm. <i>Soft Computing</i> , 2015 , 19, 3083-3107	3.5	9
70	Imbalanced Hyperspectral Image Classification Based on Maximum Margin. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 522-526	4.1	26
69	A Novel Point-Matching Algorithm Based on Fast Sample Consensus for Image Registration. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 43-47	4.1	170
68	Dynamic-context cooperative quantum-behaved particle swarm optimization based on multilevel thresholding applied to medical image segmentation. <i>Information Sciences</i> , 2015 , 294, 408-422	7.7	94

67	Overlapping community detection through an improved multi-objective quantum-behaved particle swarm optimization. <i>Journal of Heuristics</i> , 2015 , 21, 549-575	1.9	34
66	Polarimetric SAR images classification using deep belief networks with learning features 2015 ,		11
65	Distributed compressed sensing-based pan-sharpening with hybrid dictionary. <i>Neurocomputing</i> , 2015 , 155, 320-333	5.4	14
64	Multilayer CFAR Detection of Ship Targets in Very High Resolution SAR Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 811-815	4.1	30
63	A Three-Component Fisher-Based Feature Weighting Method for Supervised PolSAR Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 731-735	4.1	25
62	A novel dynamic rough subspace based selective ensemble. <i>Pattern Recognition</i> , 2015 , 48, 1638-1652	7.7	18
61	Semisupervised Affinity Propagation Based on Normalized Trivariable Mutual Information for Hyperspectral Band Selection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2760-2773	4.7	24
60	Personalized Recommendation Based on Evolutionary Multi-Objective Optimization [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 52-62	5.6	79
59	Mutual-Information-Based Semi-Supervised Hyperspectral Band Selection With High Discrimination, High Information, and Low Redundancy. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 2956-2969	8.1	70
58	MOEA/D with uniform decomposition measurement for many-objective problems. <i>Soft Computing</i> , 2014 , 18, 2541-2564	3.5	37
57	A simplified low rank and sparse graph for semi-supervised learning. <i>Neurocomputing</i> , 2014 , 140, 84-96	5.4	17
56	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1300-1304	4.1	8
55	Unsupervised change detection in SAR images based on locally fitting model and semi-EM algorithm. <i>International Journal of Remote Sensing</i> , 2014 , 35, 621-650	3.1	16
54	Local Maximal Homogeneous Region Search for SAR Speckle Reduction With Sketch-Based Geometrical Kernel Function. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 5751-5764	8.1	20
53	Data-Driven Compressive Sampling and Learning Sparse Coding for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 479-483	4.1	27
52	A Novel Coarse-to-Fine Scheme for Automatic Image Registration Based on SIFT and Mutual Information. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 4328-4338	8.1	191
51	Modified Co-Training With Spectral and Spatial Views for Semisupervised Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 2044-2055	4.7	51
50	Compressed sensing by collaborative reconstruction on overcomplete dictionary. <i>Signal Processing</i> , 2014 , 103, 92-102	4.4	14

49	An Improved Decomposition-Based Memetic Algorithm for Multi-Objective Capacitated Arc Routing Problem. <i>Applied Soft Computing Journal</i> , 2014 , 19, 343-361	7.5	25
48	Detecting changes of the Yellow River Estuary via SAR images based on a local fit-search model and kernel-induced graph cuts. <i>International Journal of Remote Sensing</i> , 2014 , 35, 4009-4030	3.1	13
47	Change detection in SAR images by artificial immune multi-objective clustering. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 31, 53-67	7.2	32
46	A multi-population cooperative coevolutionary algorithm for multi-objective capacitated arc routing problem. <i>Information Sciences</i> , 2014 , 277, 609-642	7.7	56
45	Fusion of multispectral and panchromatic images via sparse representation and local autoregressive model. <i>Information Fusion</i> , 2014 , 20, 73-87	16.7	47
44	SAR change detection based on intensity and texture changes. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014 , 93, 123-135	11.8	50
43	MOEA/D with adaptive weight adjustment. <i>Evolutionary Computation</i> , 2014 , 22, 231-64	4.3	455
42	Multi-level learning based memetic algorithm for community detection. <i>Applied Soft Computing Journal</i> , 2014 , 19, 121-133	7.5	83
41	Image change detection based on an improved rough fuzzy c-means clustering algorithm. <i>International Journal of Machine Learning and Cybernetics</i> , 2014 , 5, 369-377	3.8	28
40	Quantum immune clonal coevolutionary algorithm for dynamic multiobjective optimization. <i>Soft Computing</i> , 2014 , 18, 743-756	3.5	41
39	Arithmetic coding for image compression with adaptive weight-context classification. <i>Signal Processing: Image Communication</i> , 2013 , 28, 727-735	2.8	8
38	Community detection based on modularity and an improved genetic algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 1215-1231	3.3	131
37	Selective multiple kernel learning for classification with ensemble strategy. <i>Pattern Recognition</i> , 2013 , 46, 3081-3090	7.7	24
36	Parallel unsupervised Synthetic Aperture Radar image change detection on a graphics processing unit. <i>International Journal of High Performance Computing Applications</i> , 2013 , 27, 109-122	1.8	4
35	Fusion of multispectral and panchromatic images based on support value transform and adaptive principal component analysis. <i>Information Fusion</i> , 2012 , 13, 177-184	16.7	68
34	Community detection in networks by using multiobjective evolutionary algorithm with decomposition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 4050-4060	3.3	169
33	A Novel Immune Clonal Algorithm for MO Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 35-50	15.6	109
32	An improved cooperative quantum-behaved particle swarm optimization. <i>Soft Computing</i> , 2012 , 16, 1061-1069	5.3	46

31	Memetic algorithm for community detection in networks. <i>Physical Review E</i> , 2011 , 84, 056101	2.4	150
30	Multitask dictionary learning and sparse representation based single-image super-resolution reconstruction. <i>Neurocomputing</i> , 2011 , 74, 3193-3203	5.4	63
29	Artificial immune multi-objective SAR image segmentation with fused complementary features. <i>Information Sciences</i> , 2011 , 181, 2797-2812	7.7	55
28	Multitask Learning and Sparse Representation Based Super-Resolution Reconstruction of Synthetic Aperture Radar Images 2011 ,		2
27	Cooperative Synthetic Aperture Radar Image Segmentation Using Learning Sparse Representation Based Clustering Scheme 2011 ,		2
26	Novel Super Resolution Restoration of Remote Sensing Images Based on Compressive Sensing and Example Patches-Aided Dictionary Learning 2011 ,		22
25	A multiobjective immune clustering ensemble technique applied to unsupervised SAR image segmentation 2010 ,		5
24	Adaptive tracking for periodically time-varying and nonlinearly parameterized systems using multilayer neural networks. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 345-51		132
23	Adaptive-distributed arithmetic coding for lossless compression 2010 ,		1
22	Image fusion based on a new contourlet packet. <i>Information Fusion</i> , 2010 , 11, 78-84	16.7	134
21	A linear ridgelet network. <i>Neurocomputing</i> , 2009 , 73, 468-477	5.4	8
20	Radar target recognition using contourlet packet transform and neural network approach. <i>Signal Processing</i> , 2009 , 89, 394-409	4.4	19
19	SAR image segmentation based on Gabor filters of adaptive window in overcomplete brushlet domain 2009 ,		5
18	Spectral Clustering Ensemble Applied to SAR Image Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008 , 46, 2126-2136	8.1	159
17	Quantum-inspired immune clonal algorithm for global optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 1234-53		92
16	Wavelet-based Bayesian image estimation: from marginal and bivariate prior models to multivariate prior models. <i>IEEE Transactions on Image Processing</i> , 2008 , 17, 469-81	8.7	9
15	Multiobjective immune algorithm with nondominated neighbor-based selection. <i>Evolutionary Computation</i> , 2008 , 16, 225-55	4.3	349
14	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

13	Synchronization in complex dynamical networks with nonsymmetric coupling. <i>Physica D: Nonlinear Phenomena</i> , 2008 , 237, 2487-2498	3.3	31
12	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	3.3	84
11	Fast sparse approximation for least squares support vector machine. <i>IEEE Transactions on Neural Networks</i> , 2007 , 18, 685-97		131
10	A fuzzy CLOPE algorithm and its optimal parameter choice. <i>Journal of Electronics</i> , 2006 , 23, 384-388		3
9	Texture Classification Via Stationary-Wavelet Based Contourlet Transform. <i>Lecture Notes in Computer Science</i> , 2006 , 485-494	0.9	1
8	An organizational coevolutionary algorithm for classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 67-80	15.6	61
7	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	2	22
6	Unsupervised Image Segmentation Using Contourlet Domain Hidden Markov Trees Model. <i>Lecture Notes in Computer Science</i> , 2005 , 32-39	0.9	6
5	A Brushlet-Based Feature Set Applied to Texture Classification. <i>Lecture Notes in Computer Science</i> , 2004 , 1175-1180	0.9	2
4	Multiwavelet neural network and its approximation properties. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 1060-6		41
3	Adaptive genetic algorithm based approach for evolutionary design and multi-objective optimization of logic circuits		2
2	Unsupervised image segmentation based on the anisotropic texture information		1
1	A new approach for constructing match wavelet to signal detection		1