

Yanwei Pang

List of Publications by Year in Descending Order

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

431 papers	12,903 citations	57 h-index	96 g-index
484 ext. papers	16,278 ext. citations	5.6 avg, IF	7.45 L-index

#	Paper	IF	Citations
431	Information Symmetry Matters: A Modal-Alternating Propagation Network for Few-Shot Learning.. <i>IEEE Transactions on Image Processing</i> , 2022 , PP,	8.7	1
430	Iteratively Re-Weighted Algorithm for Fuzzy c-means. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	0
429	Evaluation of Pulmonary Edema Using Ultrasound Imaging in Patients With COVID-19 Pneumonia Based on a Non-local Channel Attention ResNet.. <i>Ultrasound in Medicine and Biology</i> , 2022 ,	3.5	2
428	Hierarchical multimodal transformer to summarize videos. <i>Neurocomputing</i> , 2022 , 468, 360-369	5.4	2
427	Locating Multi-Sources in Social Networks with a Low Infection Rate. <i>IEEE Transactions on Network Science and Engineering</i> , 2022 , 1-1	4.9	2
426	GCWNet: A Global Context-Weaving Network for Object Detection in Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-12	8.1	1
425	Semi-supervised Learning via Bipartite Graph Construction with Adaptive Neighbors. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	1
424	An Effective and Efficient Algorithm for K-means Clustering with New Formulation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	1
423	Locality Constrained Low Rank Representation and Automatic Dictionary Learning for Hyperspectral Anomaly Detection. <i>Remote Sensing</i> , 2022 , 14, 1327	5	0
422	Eagle-Eye-Inspired Attention for Object Detection in Remote Sensing. <i>Remote Sensing</i> , 2022 , 14, 1743	5	1
421	Multi-stream densely connected network for semantic segmentation. <i>IET Computer Vision</i> , 2022 , 16, 180-191	1.1	0
420	Sparse and Flexible Projections for Unsupervised Feature Selection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	
419	Non-linear perceptual multi-scale network for single image super-resolution.. <i>Neural Networks</i> , 2022 , 152, 201-211	9.1	0
418	Reweighted Low-Rank and Joint-Sparse Unmixing With Library Pruning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-16	8.1	0
417	Iteratively Re-Weighted method for Sparsity-Inducing Norms. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	
416	Task-Oriented High-Order Context Graph Networks for Few-Shot Human-Object Interaction Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7.3	0
415	Community Detection in Graph: An Embedding Method. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	1

4 ¹⁴	Robust Unsupervised Feature Selection via Multi-Group Adaptive Graph Representation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	1
4 ¹³	Adaptive Flexible Optimal Graph for Unsupervised Dimensionality Reduction. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 2162-2166	3.2	2
4 ¹²	Unsupervised Hyperspectral Band Selection Based on Hypergraph Spectral Clustering. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
4 ¹¹	Spatial-Spectral Hyperspectral Image Classification Via Multiple Random Anchor Graphs Ensemble Learning 2021 ,		1
4 ¹⁰	Truncation Cross Entropy Loss for Remote Sensing Image Captioning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5246-5257	8.1	16
4 ⁰⁹	Multilevel projections with adaptive neighbor graph for unsupervised multi-view feature selection. <i>Information Fusion</i> , 2021 , 70, 129-140	16.7	6
4 ⁰⁸	Hyperspectral Image Super-Resolution Via Adjacent Spectral Fusion Strategy 2021 ,		3
4 ⁰⁷	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 443-453	6.6	16
4 ⁰⁶	TTH-RNN: Tensor-Train Hierarchical Recurrent Neural Network for Video Summarization. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3629-3637	8.9	18
4 ⁰⁵	Deep Attentive Video Summarization With Distribution Consistency Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 1765-1775	10.3	12
4 ⁰⁴	Denoising-Based Multiscale Feature Fusion for Remote Sensing Image Captioning. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 436-440	4.1	23
4 ⁰³	C2DNDA: A Deep Framework for Nonlinear Dimensionality Reduction. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1684-1694	8.9	4
4 ⁰²	A Fast Neighborhood Grouping Method for Hyperspectral Band Selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5028-5039	8.1	34
4 ⁰¹	Compact Interchannel Sampling Difference Descriptor for Color Texture Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 1684-1696	6.4	1
4 ⁰⁰	Cascaded hierarchical atrous spatial pyramid pooling module for semantic segmentation. <i>Pattern Recognition</i> , 2021 , 110, 107622	7.7	15
399	Style Transformation-Based Spatial-Spectral Feature Learning for Unsupervised Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	6
398	PSC-Net: learning part spatial co-occurrence for occluded pedestrian detection. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	14
397	Hyperspectral Image Superresolution Using Spectrum and Feature Context. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11276-11285	8.9	24

396	TJU-DHD: A Diverse High-Resolution Dataset for Object Detection. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 207-219	8.7	10
395	Low Rank Regularization: A review. <i>Neural Networks</i> , 2021 , 136, 218-232	9.1	13
394	Hyperspectral and Multispectral Image Fusion via Nonlocal Low-Rank Tensor Approximation and Sparse Representation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 550-562	8.1	20
393	Reconstructive Sequence-Graph Network for Video Summarization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	6
392	Tilt Correction Toward Building Detection of Remote Sensing Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 5854-5866	4.7	3
391	Hierarchical Edge Refinement Network for Saliency Detection. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7567-7577	8.7	2
390	Generalized Zero-Shot Learning With Multiple Graph Adaptive Generative Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	7
389	Feature Fusion for Multimodal Emotion Recognition Based on Deep Canonical Correlation Analysis. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1898-1902	3.2	2
388	DGIG-Net: Dynamic Graph-in-Graph Networks for Few-Shot Human-Object Interaction. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
387	Spatio-Temporal Online Matrix Factorization for Multi-scale Moving Objects Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	2
386	Triple discriminator generative adversarial network for zero-shot image classification. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	4
385	Few-Shot Human-Object Interaction Recognition With Semantic-Guided Attentive Prototypes Network. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 1648-1661	8.7	5
384	Multi-View Clustering Based on Invisible Weights. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1051-1055	3.2	3
383	Fast Fuzzy Clustering Based on Anchor Graph. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
382	Improving Single Shot Object Detection With Feature Scale Unmixing. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 2708-2721	8.7	3
381	Dense Prediction and Local Fusion of Superpixels: A Framework for Breast Anatomy Segmentation in Ultrasound Image With Scarce Data. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-8	5.2	7
380	Fast optimization of spectral embedding and improved spectral rotation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	0
379	Stereo Refinement Dehazing Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	0

378	Real-Time Video Emotion Recognition based on Reinforcement Learning and Domain Knowledge. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	15
377	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3456-3468	6.4	5
376	Simultaneous Segmentation of Fetal Hearts and Lungs for Medical Ultrasound Images via an Efficient Multi-scale Model Integrated With Attention Mechanism. <i>Ultrasonic Imaging</i> , 2021 , 43, 308-319	1.9	2
375	Exploring the Relationship Between 2D/3D Convolution for Hyperspectral Image Super-Resolution. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 8693-8703	8.1	33
374	A semi-supervised zero-shot image classification method based on soft-target. <i>Neural Networks</i> , 2021 , 143, 88-96	9.1	1
373	Multi-label correlation guided feature fusion network for abnormal ECG diagnosis. <i>Knowledge-Based Systems</i> , 2021 , 233, 107508	7.3	4
372	Mask-Guided Attention Network and Occlusion-Sensitive Hard Example Mining for Occluded Pedestrian Detection. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 3872-3884	8.7	4
371	Adaptive Local Embedding Learning for Semi-supervised Dimensionality Reduction. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	1
370	Hyperspectral Unmixing Using Nonlocal Similarity-Regularized Low-Rank Tensor Factorization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	3
369	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	0
368	Adaptive Spectral Rotation via Joint Cluster and Pairwise Structure. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	3
367	Adaptive Relationship Preserving Sparse NMF for Hyperspectral Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	6
366	From Handcrafted to Deep Features for Pedestrian Detection: A Survey. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	9
365	CerebelluMorphic: Large-Scale Neuromorphic Model and Architecture for Supervised Motor Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	36
364	Hyperspectral Band Selection via Optimal Neighborhood Reconstruction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8465-8476	8.1	35
363	Mixed 2D/3D Convolutional Network for Hyperspectral Image Super-Resolution. <i>Remote Sensing</i> , 2020 , 12, 1660	5	34
362	SMAN: Stacked Multimodal Attention Network for Cross-Modal Image-Text Retrieval. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	8
361	Multi-View Clustering Via Mixed Embedding Approximation 2020 ,		2

360	Nonlocal Graph Convolutional Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8246-8257	8.1	79
359	Enhanced Discrete Multi-modal Hashing: More Constraints yet Less Time to Learn. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	3
358	Semantic segmentation with hybrid pyramid pooling and stacked pyramid structure. <i>Neurocomputing</i> , 2020 , 410, 454-467	5.4	2
357	Unsupervised Large Graph Embedding Based on Balanced and Hierarchical K-means. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	5
356	Deep Meta-Relation Network for Visual Few-Shot Learning 2020 ,		1
355	Revisiting Fast Spectral Clustering with Anchor Graph 2020 ,		4
354	Reconstructing Heterogeneous Networks via Compressive Sensing and Clustering. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-11	4.1	7
353	Multiple Features and Isolation Forest-Based Fast Anomaly Detector for Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 6664-6676	8.1	15
352	Unsupervised Discriminative Projection for Feature Selection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	2
351	A novel route to cyclic dominance in voluntary social dilemmas. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20190789	4.1	22
350	Stacked squeeze-and-excitation recurrent residual network for visual-semantic matching. <i>Pattern Recognition</i> , 2020 , 105, 107359	7.7	6
349	Cross-modal guidance based auto-encoder for multi-video summarization. <i>Pattern Recognition Letters</i> , 2020 , 135, 131-137	4.7	6
348	CGNet: cross-guidance network for semantic segmentation. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	12
347	Low-rank discriminative regression learning for image classification. <i>Neural Networks</i> , 2020 , 125, 245-257	5.1	5
346	Toward improving ECG biometric identification using cascaded convolutional neural networks. <i>Neurocomputing</i> , 2020 , 391, 83-95	5.4	32
345	Exploring Multi-Level Attention and Semantic Relationship for Remote Sensing Image Captioning. <i>IEEE Access</i> , 2020 , 8, 2608-2620	3.5	17
344	Segmentation of breast ultrasound image with semantic classification of superpixels. <i>Medical Image Analysis</i> , 2020 , 61, 101657	15.4	65
343	Recovering Network Structures Based on Evolutionary Game Dynamics via Secure Dimensional Reduction. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 2027-2036	4.9	7

342	Preserving details in semantics-aware context for scene parsing. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	9
341	Fast Semi-Supervised Learning With Optimal Bipartite Graph. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	0
340	KALM: Key Area Localization Mechanism for Abnormality Detection in Musculoskeletal Radiographs 2020 ,		1
339	Deep Metric Learning Based On Center-Ranked Loss for Gait Recognition 2020 ,		2
338	Inferring subgroup-specific driver genes from heterogeneous cancer samples via subspace learning with subgroup indication. <i>Bioinformatics</i> , 2020 , 36, 1855-1863	7.2	22
337	Unsupervised Feature Selection Via Data Reconstruction and Side Information. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 8097-8106	8.7	7
336	Word-Sentence Framework for Remote Sensing Image Captioning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 1-12	8.1	14
335	Robust Subspace Clustering with Low-Rank Structure Constraint. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	3
334	Noise Removal in Embedded Image with Bit Approximation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	1
333	Detail-preserving single nighttime image dehazing. <i>Journal of Electronic Imaging</i> , 2020 , 29, 1	0.7	1
332	Semisupervised Band Selection With Graph Optimization for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 1-14	8.1	3
331	Consensus-Aware Visual-Semantic Embedding for Image-Text Matching. <i>Lecture Notes in Computer Science</i> , 2020 , 18-34	0.9	21
330	Fuzzy K-Means Clustering With Discriminative Embedding. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	3
329	Count- and Similarity-Aware R-CNN for Pedestrian Detection. <i>Lecture Notes in Computer Science</i> , 2020 , 88-104	0.9	7
328	Deep attentive and semantic preserving video summarization. <i>Neurocomputing</i> , 2020 , 405, 200-207	5.4	8
327	Improved prototypical networks for few-Shot learning. <i>Pattern Recognition Letters</i> , 2020 , 140, 81-87	4.7	17
326	. <i>IEEE Access</i> , 2020 , 8, 34019-34028	3.5	2
325	Lightweight group convolutional network for single image super-resolution. <i>Information Sciences</i> , 2020 , 516, 220-233	7.7	8

324	Property-Constrained Dual Learning for Video Summarization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 3989-4000	10.3	16
323	High-Level Semantic Networks for Multi-Scale Object Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 3372-3386	6.4	31
322	Evolutionary dynamics drives role specialization in a community of players. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200174	4.1	29
321	Double-Attentive Principle Component Analysis. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1814-1818	3.2	0
320	An evolutionary autoencoder for dynamic community detection. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	8
319	IQ-STAN: Image Quality Guided Spatio-Temporal Attention Network for License Plate Recognition 2020 ,		1
318	Pedestrian attribute recognition based on multiple time steps attention. <i>Pattern Recognition Letters</i> , 2020 , 138, 170-176	4.7	7
317	Capped ℓ_p -Norm LDA for Outliers Robust Dimension Reduction. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1315-1319	3.2	9
316	Reconstructing of Embedded High-Aspect-Ratio Nano-Voids Generated by Ultrafast Laser Bessel Beams. <i>Micromachines</i> , 2020 , 11,	3.3	8
315	Attention Scaling for Crowd Counting 2020 ,		54
314	Robust Rank Constrained Sparse Learning: A Graph-Based Method for Clustering 2020 ,		4
313	EQ-LPR: Efficient Quality-Aware License Plate Recognition 2020 ,		1
312	Regularized Regression With Fuzzy Membership Embedding for Unsupervised Feature Selection. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	4
311	2020 ,		13
310	BidNet: Binocular Image Dehazing Without Explicit Disparity Estimation 2020 ,		21
309	Hierarchical Human Parsing With Typed Part-Relation Reasoning 2020 ,		22
308	OpenMRE: A Numerical Platform for MRE Study. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 1111-1121	7.3	2
307	Spectral Clustering by Joint Spectral Embedding and Spectral Rotation. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 247-258	10.2	24

306	Unsupervised Video Action Clustering via Motion-Scene Interaction Constraint. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 131-144	6.4	14
305	Double Relaxed Regression for Image Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 307-319	6.4	11
304	Semi-Supervised Learning with Auto-Weighting Feature and Adaptive Graph. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 1167-1178	4.2	8
303	Multiview Semi-Supervised Learning Model for Image Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 2389-2400	4.2	14
302	Attribute-Guided Network for Cross-Modal Zero-Shot Hashing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 321-330	10.3	38
301	Video Summarization With Attention-Based EncoderDecoder Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 1709-1717	6.4	87
300	Parameter-Free Weighted Multi-View Projected Clustering with Structured Graph Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 2014-2025	4.2	22
299	A Survey of Human Action Analysis in HRI Applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 2114-2128	6.4	26
298	Automated Trading Point Forecasting Based on Biclust Mining and Fuzzy Inference. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 259-272	8.3	7
297	Multi-layer Attention Based CNN for Target-Dependent Sentiment Classification. <i>Neural Processing Letters</i> , 2020 , 51, 2089-2103	2.4	14
296	Multi-View Scaling Support Vector Machines for Classification and Feature Selection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 1419-1430	4.2	20
295	Dual triplet network for image zero-shot learning. <i>Neurocomputing</i> , 2020 , 373, 90-97	5.4	5
294	Deep Fuzzy K-Means With Adaptive Loss and Entropy Regularization. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 2814-2824	8.3	16
293	Learning Multi-Level Density Maps for Crowd Counting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2705-2715	10.3	14
292	Hyperspectral and Multispectral Image Fusion Based on Band Simulation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 479-483	4.1	12
291	Meta Learning for Task-Driven Video Summarization. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5778-5786	8.9	9
290	Discrimination-Aware Projected Matrix Factorization. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 809-814	4.2	7
289	Classification of liver tumors with CEUS based on 3D-CNN 2019 ,		3

288	Structured Graph Reconstruction for Scalable Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 1-1	4.2	2
287	A Classification-Based Model for Multi-Objective Hyperspectral Sparse Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 9612-9625	8.1	20
286	Class-specific synthesized dictionary model for Zero-Shot Learning. <i>Neurocomputing</i> , 2019 , 329, 339-347	5.4	14
285	Deep smoke segmentation. <i>Neurocomputing</i> , 2019 , 357, 248-260	5.4	31
284	JCS-Net: Joint Classification and Super-Resolution Network for Small-Scale Pedestrian Detection in Surveillance Images. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 3322-3331	8	36
283	Scalable Graph-Based Clustering With Nonnegative Relaxation for Large Hyperspectral Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 7352-7364	8.1	35
282	A 3D-CNN and LSTM Based Multi-Task Learning Architecture for Action Recognition. <i>IEEE Access</i> , 2019 , 7, 40757-40770	3.5	29
281	Convolutional Edge Constraint-Based U-Net for Salient Object Detection. <i>IEEE Access</i> , 2019 , 7, 48890-48900	3.9	19
280	Dense Multimodal Fusion for Hierarchically Joint Representation 2019 ,		5
279	Unsupervised Deep Noise Modeling for Hyperspectral Image Change Detection. <i>Remote Sensing</i> , 2019 , 11, 258	5	52
278	An Efficient Clustering Method for Hyperspectral Optimal Band Selection via Shared Nearest Neighbor. <i>Remote Sensing</i> , 2019 , 11, 350	5	18
277	Automatic ultrasound scanning system based on robotic arm. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	3
276	Determination of Temporal Stock Investment Styles via Biclustering Trading Patterns. <i>Cognitive Computation</i> , 2019 , 11, 799-808	4.4	2
275	Co-occurrence matching of local binary patterns for improving visual adaption and its application to smoke recognition. <i>IET Computer Vision</i> , 2019 , 13, 178-187	1.4	6
274	Multi-video summarization with query-dependent weighted archetypal analysis. <i>Neurocomputing</i> , 2019 , 332, 406-416	5.4	8
273	Similarity Constrained Convex Nonnegative Matrix Factorization for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 4810-4822	8.1	16
272	Taking a Look at Small-Scale Pedestrians and Occluded Pedestrians. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	22
271	A Bilinear Ranking SVM for Knowledge Based Relation Prediction and Classification. <i>IEEE Transactions on Big Data</i> , 2019 , 5, 588-600	3.2	2

270	Does being multi-headed make you better at solving problems? A survey of Physarum-based models and computations. <i>Physics of Life Reviews</i> , 2019 , 29, 1-26	2.1	30
269	Efficient Feature Selection via $\ell_{2,0}$ -norm Constrained Sparse Regression. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 31, 880-893	4.2	29
268	Locality and Structure Regularized Low Rank Representation for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 911-923	8.1	153
267	Structurally Incoherent Low-Rank 2DLPP for Image Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 1701-1714	6.4	16
266	Semantic Descriptions of High-Resolution Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1274-1278	4.1	51
265	Unsupervised Feature Selection Based on Reconstruction Error Minimization 2019 ,		5
264	Physarum inspires research beyond biomimetic algorithms: Reply to comments on "Does being multi-headed make you better at solving problems?". <i>Physics of Life Reviews</i> , 2019 , 29, 51-54	2.1	2
263	Robust Adaptive Graph Regularized Non-Negative Matrix Factorization. <i>IEEE Access</i> , 2019 , 7, 83101-83110	3.5	6
262	Spatiotemporal interest point detector exploiting appearance and motion-variation information. <i>Journal of Electronic Imaging</i> , 2019 , 28, 1	0.7	1
261	Deep Learning in Object Detection 2019 , 19-57		2
260	Dual-Path in Dual-Path Network for Single Image Dehazing 2019 ,		8
259	A decadal survey of zero-shot image classification. <i>Scientia Sinica Informationis</i> , 2019 , 49, 1299-1320	2.3	2
258	Design and Fabrication of Dual-Scale Broadband Antireflective Structures on Metal Surfaces by Using Nanosecond and Femtosecond Lasers. <i>Micromachines</i> , 2019 , 11,	3.3	6
257	Towards Bridging Semantic Gap to Improve Semantic Segmentation 2019 ,		37
256	Learning Rich Features at High-Speed for Single-Shot Object Detection 2019 ,		42
255	Saliency-Guided Attention Network for Image-Sentence Matching 2019 ,		32
254	A Multi-Task Architecture for Remote Sensing by Joint Scene Classification and Image Quality Assessment 2019 ,		1
253	An Introspective Learning Strategy for Remote Sensing Scene Classification 2019 ,		1

252	Mask-Guided Attention Network for Occluded Pedestrian Detection 2019 ,		64
251	Learning Compositional Neural Information Fusion for Human Parsing 2019 ,		40
250	Hierarchical Shot Detector 2019 ,		33
249	Range Images 2019 , 1-15		
248	Deep Contextual Attention for Human-Object Interaction Detection 2019 ,		40
247	Efficient Featurized Image Pyramid Network for Single Shot Detector 2019 ,		43
246	Triply Supervised Decoder Networks for Joint Detection and Segmentation 2019 ,		32
245	Component-Based Feature Saliency for Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 1-1	4.2	2
244	Enriched Feature Guided Refinement Network for Object Detection 2019 ,		29
243	Multi-Scale Cropping Mechanism for Remote Sensing Image Captioning 2019 ,		18
242	Feature Sparsity in Convolutional Neural Networks for Scene Classification of Remote Sensing Image 2019 ,		11
241	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 3211-3221	6.4	31
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