

List of Publications by Citations

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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	Toward Scalable Systems for Big Data Analytics: A Technology Tutorial. <i>IEEE Access</i> , <b>2014</b> , 2, 652-687	3.5	681
430	A survey of graph edit distance. <i>Pattern Analysis and Applications</i> , <b>2010</b> , 13, 113-129	2.3	372
429	Manifold Regularized Sparse NMF for Hyperspectral Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2013</b> , 51, 2815-2826	8.1	262
428	Supervised tensor learning. <i>Knowledge and Information Systems</i> , <b>2007</b> , 13, 1-42	2.4	246
427	A Comprehensive Survey to Face Hallucination. <i>International Journal of Computer Vision</i> , <b>2014</b> , 106, 9-30	10.6	241
426	Detection of Co-salient Objects by Looking Deep and Wide. <i>International Journal of Computer Vision</i> , <b>2016</b> , 120, 215-232	10.6	232
425	Discriminant locally linear embedding with high-order tensor data. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2008</b> , 38, 342-52		217
424	Feature Learning for Image Classification Via Multiobjective Genetic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 1359-1371	10.3	205
423	Efficient HOG human detection. <i>Signal Processing</i> , <b>2011</b> , 91, 773-781	4.4	191
422	Discriminative Transfer Subspace Learning via Low-Rank and Sparse Representation. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 850-63	8.7	186
421	Gabor-Based Region Covariance Matrices for Face Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 989-993	6.4	173
420	Exploring Models and Data for Remote Sensing Image Caption Generation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 2183-2195	8.1	169
419	Punishment diminishes the benefits of network reciprocity in social dilemma experiments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 30-35	11.5	166
418	Gait Components and Their Application to Gender Recognition. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2008</b> , 38, 145-155		157
417	Robust Tensor Analysis With L1-Norm. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 172-178	6.4	154
416	Locality and Structure Regularized Low Rank Representation for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 911-923	8.1	153
415	Contrast Enhancement-Based Forensics in Digital Images. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2014</b> , 9, 515-525	8	150

414	Self-weighted Multiview Clustering with Multiple Graphs <b>2017</b> ,		135
413	Person Re-Identification by Regularized Smoothing KISS Metric Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 1675-1685	6.4	132
412	Face SketchPhoto Synthesis and Retrieval Using Sparse Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 1213-1226	6.4	132
411	Unsupervised image saliency detection with Gestalt-laws guided optimization and visual attention based refinement. <i>Pattern Recognition</i> , <b>2018</b> , 79, 65-78	7.7	115
410	Fully affine invariant SURF for image matching. <i>Neurocomputing</i> , <b>2012</b> , 85, 6-10	5.4	115
409	Secrecy Outage and Diversity Analysis of Cognitive Radio Systems. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2014</b> , 32, 2222-2236	14.2	114
408	Locality Adaptive Discriminant Analysis for SpectralSpatial Classification of Hyperspectral Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 2077-2081	4.1	110
407	DISC: Deep Image Saliency Computing via Progressive Representation Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 1135-49	10.3	106
406	LightenNet: A Convolutional Neural Network for weakly illuminated image enhancement. <i>Pattern Recognition Letters</i> , <b>2018</b> , 104, 15-22	4.7	103
405	Learning deep and wide: a spectral method for learning deep networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 2303-8	10.3	103
404	A Fine-Grained Image Categorization System by Cellet-Encoded Spatial Pyramid Modeling. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 564-571	8.9	102
403	Human Gait Recognition With Matrix Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2006</b> , 16, 896-903	6.4	96
402	Hierarchical Recurrent Neural Hashing for Image Retrieval With Hierarchical Convolutional Features. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 106-120	8.7	90
401	Convolution in Convolution for Network in Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 1587-1597	10.3	89
400	A relay level set method for automatic image segmentation. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2011</b> , 41, 518-25		89
399	Video Summarization With Attention-Based EncoderDecoder Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 1709-1717	6.4	87
398	Learning regularized LDA by clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 2191-201	10.3	85
397	When Collaboration Hugs Intelligence: Content Delivery over Ultra-Dense Networks <b>2017</b> , 55, 91-95		84

396	Learning Multilayer Channel Features for Pedestrian Detection. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 3210-3220	8.7	80
395	Learning Pooling for Convolutional Neural Network. <i>Neurocomputing</i> , <b>2017</b> , 224, 96-104	5.4	80
394	Universal blind image quality assessment metrics via natural scene statistics and multiple kernel learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2013</b> , 24, 2013-26	10.3	80
393	Nonlocal Graph Convolutional Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2020</b> , 58, 8246-8257	8.1	79
392	A Hybrid Sparsity and Distance-Based Discrimination Detector for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 1704-1717	8.1	79
391	Machine Learning in Ultrasound Computer-Aided Diagnostic Systems: A Survey. <i>BioMed Research International</i> , <b>2018</b> , 2018, 5137904	3	79
390	Summarizing tourist destinations by mining user-generated travelogues and photos. <i>Computer Vision and Image Understanding</i> , <b>2011</b> , 115, 352-363	4.3	73
389	Single-image super-resolution via local learning. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2011</b> , 2, 15-23	3.8	73
388	Interactive Segmentation Using Constrained Laplacian Optimization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 1088-1100	6.4	70
387	Robust CoHOG feature extraction in human-centered image/video management system. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2012</b> , 42, 458-68		69
386	Deep semantic understanding of high resolution remote sensing image <b>2016</b> ,		69
385	Surveillance Video Synopsis via Scaling Down Objects. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 740-55	8.7	68
384	Segmentation of breast ultrasound image with semantic classification of superpixels. <i>Medical Image Analysis</i> , <b>2020</b> , 61, 101657	15.4	65
383	Mask-Guided Attention Network for Occluded Pedestrian Detection <b>2019</b> ,		64
382	HSA-RNN: Hierarchical Structure-Adaptive RNN for Video Summarization <b>2018</b> ,		64
381	Rank Preserving Discriminant Analysis for Human Behavior Recognition on Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 813-823	11.9	63
380	Locality Adaptive Discriminant Analysis <b>2017</b> ,		61
379	A generalized power iteration method for solving quadratic problem on the Stiefel manifold. <i>Science China Information Sciences</i> , <b>2017</b> , 60, 1	3.4	60

378	Robotic Arm Based Automatic Ultrasound Scanning for Three-Dimensional Imaging. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 1173-1182	11.9	60
377	Improving level set method for fast auroral oval segmentation. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 2854-2865	8.7	58
376	Distributed object detection with linear SVMs. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 2122-33	10.2	58
375	A General Framework for Edited Video and Raw Video Summarization. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 3652-3664	8.7	57
374	Patient-specific ECG classification by deeper CNN from generic to dedicated. <i>Neurocomputing</i> , <b>2018</b> , 314, 336-346	5.4	56
373	Hierarchical Recurrent Neural Network for Video Summarization <b>2017</b> ,		56
372	Discrete Nonnegative Spectral Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1834-1845	4.2	54
371	A Cascaded Convolutional Neural Network for Single Image Dehazing. <i>IEEE Access</i> , <b>2018</b> , 6, 24877-24887	3.5	54
370	Deep neural networks with Elastic Rectified Linear Units for object recognition. <i>Neurocomputing</i> , <b>2018</b> , 275, 1132-1139	5.4	54
369	Spatial-Aware Object-Level Saliency Prediction by Learning Graphlet Hierarchies. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 1301-1308	8.9	54
368	Attention Scaling for Crowd Counting <b>2020</b> ,		54
367	Linear SVM classification using boosting HOG features for vehicle detection in low-altitude airborne videos <b>2011</b> ,		53
366	Vehicle Detection and Motion Analysis in Low-Altitude Airborne Video Under Urban Environment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2011</b> , 21, 1522-1533	6.4	53
365	Modality Mixture Projections for Semantic Video Event Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 1587-1596	6.4	53
364	Unsupervised Deep Noise Modeling for Hyperspectral Image Change Detection. <i>Remote Sensing</i> , <b>2019</b> , 11, 258	5	52
363	A Review of Co-Saliency Detection Algorithms. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2018</b> , 9, 1-31	8	52
362	Semantic Descriptions of High-Resolution Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2019</b> , 16, 1274-1278	4.1	51
361	Efficient Search and Localization of Human Actions in Video Databases. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 504-512	6.4	49

360	Detection of sudden pedestrian crossings for driving assistance systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2012</b> , 42, 729-39		49
359	Multiview Clustering via Adaptively Weighted Procrustes <b>2018</b> ,		48
358	Ranking graph embedding for learning to rerank. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2013</b> , 24, 1292-303	10.3	48
357	Iterative subspace analysis based on feature line distance. <i>IEEE Transactions on Image Processing</i> , <b>2009</b> , 18, 903-7	8.7	47
356	Cast shadow detection in video segmentation. <i>Pattern Recognition Letters</i> , <b>2005</b> , 26, 91-99	4.7	46
355	Classifying Discriminative Features for Blur Detection. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 2220-2227	4.7	44
354	Binary Sparse Nonnegative Matrix Factorization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 772-777	6.4	44
353	A maximum entropy feature descriptor for age invariant face recognition <b>2015</b> ,		43
352	Fast Haar Transform Based Feature Extraction for Face Representation and Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2009</b> , 4, 441-450	8	43
351	Which Components are Important for Interactive Image Searching?. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 3-11	6.4	43
350	Temporal Multimodal Learning in Audiovisual Speech Recognition <b>2016</b> ,		43
349	Efficient Featurized Image Pyramid Network for Single Shot Detector <b>2019</b> ,		43
348	Adaptive Multimedia Data Forwarding for Privacy Preservation in Vehicular Ad-Hoc Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 2629-2641	6.1	42
347	Learning Rich Features at High-Speed for Single-Shot Object Detection <b>2019</b> ,		42
346	Compressed Hashing <b>2013</b> ,		41
345	KPCA for semantic object extraction in images. <i>Pattern Recognition</i> , <b>2008</b> , 41, 3244-3250	7.7	41
344	Learning Compositional Neural Information Fusion for Human Parsing <b>2019</b> ,		40
343	Deep Contextual Attention for Human-Object Interaction Detection <b>2019</b> ,		40

342	Single underwater image restoration by blue-green channels dehazing and red channel correction <b>2016</b> ,		39
341	Selecting Key Poses on Manifold for Pairwise Action Recognition. <i>IEEE Transactions on Industrial Informatics</i> , <b>2012</b> , 8, 168-177	11.9	39
340	Outlier-resisting graph embedding. <i>Neurocomputing</i> , <b>2010</b> , 73, 968-974	5.4	38
339	Attribute-Guided Network for Cross-Modal Zero-Shot Hashing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 321-330	10.3	38
338	MAM-RNN: Multi-level Attention Model Based RNN for Video Captioning <b>2017</b> ,		37
337	Towards Bridging Semantic Gap to Improve Semantic Segmentation <b>2019</b> ,		37
336	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> , <b>2019</b> , 14, 3322-3331	8	36
335	Speed up deep neural network based pedestrian detection by sharing features across multi-scale models. <i>Neurocomputing</i> , <b>2016</b> , 185, 163-170	5.4	36
334	CerebelluMorphic: Large-Scale Neuromorphic Model and Architecture for Supervised Motor Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	36
333	Nonnegative Discriminant Matrix Factorization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 1392-1405	6.4	35
332	Scalable Graph-Based Clustering With Nonnegative Relaxation for Large Hyperspectral Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 7352-7364	8.1	35
331	Hyperspectral Band Selection via Optimal Neighborhood Reconstruction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2020</b> , 58, 8465-8476	8.1	35
330	Vehicle detection and tracking in airborne videos by multi-motion layer analysis. <i>Machine Vision and Applications</i> , <b>2012</b> , 23, 921-935	2.8	35
329	Low-Rank 2-D Neighborhood Preserving Projection for Enhanced Robust Image Representation. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 1859-1872	10.2	35
328	Mixed 2D/3D Convolutional Network for Hyperspectral Image Super-Resolution. <i>Remote Sensing</i> , <b>2020</b> , 12, 1660	5	34
327	Pedestrian Detection Inspired by Appearance Constancy and Shape Symmetry. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 5538-5551	8.7	34
326	Robust Hierarchical Deep Learning for Vehicular Management. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 4148-4156	6.8	34
325	A Fast Neighborhood Grouping Method for Hyperspectral Band Selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 5028-5039	8.1	34



324	Hierarchical Shot Detector <b>2019</b> ,		33
323	Exploring the Relationship Between 2D/3D Convolution for Hyperspectral Image Super-Resolution. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 8693-8703	8.1	33
322	Toward improving ECG biometric identification using cascaded convolutional neural networks. <i>Neurocomputing</i> , <b>2020</b> , 391, 83-95	5.4	32
321	Saliency-Guided Attention Network for Image-Sentence Matching <b>2019</b> ,		32
320	Triply Supervised Decoder Networks for Joint Detection and Segmentation <b>2019</b> ,		32
319	Video Supervoxels Using Partially Absorbing Random Walks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 928-938	6.4	31
318	Deep smoke segmentation. <i>Neurocomputing</i> , <b>2019</b> , 357, 248-260	5.4	31
317	Bezier Interpolation for 3-D Freehand Ultrasound. <i>IEEE Transactions on Human-Machine Systems</i> , <b>2015</b> , 45, 385-392	4.1	31
316	Subspace clustering guided convex nonnegative matrix factorization. <i>Neurocomputing</i> , <b>2018</b> , 292, 38-48	5.4	31
315	Complementary Projection Hashing <b>2013</b> ,		31
314	Insignificant shadow detection for video segmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2005</b> , 15, 1058-1064	6.4	31
313	High-Level Semantic Networks for Multi-Scale Object Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 3372-3386	6.4	31
312	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 3211-3221	6.4	31
311	Survey of Spatio-Temporal Interest Point Detection Algorithms in Video. <i>IEEE Access</i> , <b>2017</b> , 5, 10323-10334	3.5	30
310	Does being multi-headed make you better at solving problems? A survey of Physarum-based models and computations. <i>Physics of Life Reviews</i> , <b>2019</b> , 29, 1-26	2.1	30
309	Person Re-identification by Multi-hypergraph Fusion. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2763-2774	10.3	30
308	A 3D-CNN and LSTM Based Multi-Task Learning Architecture for Action Recognition. <i>IEEE Access</i> , <b>2019</b> , 7, 40757-40770	3.5	29
307	Efficient Feature Selection via $\ell_{2,0}$ -norm Constrained Sparse Regression. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 880-893	4.2	29



306	Mammographic mass segmentation: Embedding multiple features in vector-valued level set in ambiguous regions. <i>Pattern Recognition</i> , <b>2011</b> , 44, 1903-1915	7.7	29
305	Evolutionary dynamics drives role specialization in a community of players. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20200174	4.1	29
304	Enriched Feature Guided Refinement Network for Object Detection <b>2019</b> ,		29
303	Modeling Information Diffusion over Social Networks for Temporal Dynamic Prediction. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1985-1997	4.2	28
302	Efficient Outlier Detection for High-Dimensional Data. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 2451-2461	7.3	28
301	Learning optimal spatial filters by discriminant analysis for brain-computer-interface. <i>Neurocomputing</i> , <b>2012</b> , 77, 20-27	5.4	27
300	Selective Level Set Segmentation Using Fuzzy Region Competition. <i>IEEE Access</i> , <b>2016</b> , 4, 4777-4788	3.5	27
299	Learning Sampling Distributions for Efficient Object Detection. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 117-129	10.2	26
298	Cascade Learning by Optimally Partitioning. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 4148-4161	10.2	26
297	Scene segmentation based on IPCA for visual surveillance. <i>Neurocomputing</i> , <b>2009</b> , 72, 2450-2454	5.4	26
296	Pedestrian Detection Inspired by Appearance Constancy and Shape Symmetry <b>2016</b> ,		26
295	A Survey of Human Action Analysis in HRI Applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 2114-2128	6.4	26
294	Robust Sparse Coding for Mobile Image Labeling on the Cloud. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 62-72	6.4	25
293	Orthogonal self-guided similarity preserving projection for classification and clustering. <i>Neural Networks</i> , <b>2017</b> , 88, 1-8	9.1	25
292	Incremental Learning With Saliency Map for Moving Object Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 640-651	6.4	25
291	Local Coordinate Concept Factorization for Image Representation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 1071-1082	10.3	25
290	Manifold regularized cross-modal embedding for zero-shot learning. <i>Information Sciences</i> , <b>2017</b> , 378, 48-58	7.7	24
289	Query-aware sparse coding for web multi-video summarization. <i>Information Sciences</i> , <b>2019</b> , 478, 152-166	7.7	24

288	Spectral Clustering by Joint Spectral Embedding and Spectral Rotation. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 247-258	10.2	24
287	Hyperspectral Image Superresolution Using Spectrum and Feature Context. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11276-11285	8.9	24
286	Motion Blur Detection With an Indicator Function for Surveillance Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 5592-5601	8.9	23
285	Underwater image restoration based on minimum information loss principle and optical properties of underwater imaging <b>2016</b> ,		23
284	Multiscale Symmetric Dense Micro-Block Difference for Texture Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 3583-3594	6.4	23
283	Denoising-Based Multiscale Feature Fusion for Remote Sensing Image Captioning. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 18, 436-440	4.1	23
282	GlanceNets Efficient convolutional neural networks with adaptive hard example mining. <i>Science China Information Sciences</i> , <b>2018</b> , 61, 1	3.4	23
281	Semi-supervised LPP algorithms for learning-to-rank-based visual search reranking. <i>Information Sciences</i> , <b>2015</b> , 302, 83-93	7.7	22
280	A novel route to cyclic dominance in voluntary social dilemmas. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20190789	4.1	22
279	Taking a Look at Small-Scale Pedestrians and Occluded Pedestrians. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	22
278	Discriminant Analysis with Graph Learning for Hyperspectral Image Classification. <i>Remote Sensing</i> , <b>2018</b> , 10, 836	5	22
277	Inferring subgroup-specific driver genes from heterogeneous cancer samples via subspace learning with subgroup indication. <i>Bioinformatics</i> , <b>2020</b> , 36, 1855-1863	7.2	22
276	Hierarchical Human Parsing With Typed Part-Relation Reasoning <b>2020</b> ,		22
275	Parameter-Free Weighted Multi-View Projected Clustering with Structured Graph Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 32, 2014-2025	4.2	22
274	Superpixel Optimization Using Higher Order Energy. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 917-927	6.4	21
273	Relevance Preserving Projection and Ranking for Web Image Search Reranking. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 4137-47	8.7	21
272	Scene Parsing From an MAP Perspective. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 1876-86	10.2	21
271	Transfer latent variable model based on divergence analysis. <i>Pattern Recognition</i> , <b>2011</b> , 44, 2358-2366	7.7	21

270	Image quality assessment based on S-CIELAB model. <i>Signal, Image and Video Processing</i> , <b>2011</b> , 5, 283-290.	1.6	21
269	Generalized KPCA by adaptive rules in feature space. <i>International Journal of Computer Mathematics</i> , <b>2010</b> , 87, 956-968	1.2	21
268	Consensus-Aware Visual-Semantic Embedding for Image-Text Matching. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 18-34	0.9	21
267	BidNet: Binocular Image Dehazing Without Explicit Disparity Estimation <b>2020</b> ,		21
266	Pixel-to-Model Distance for Robust Background Reconstruction. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 903-916	6.4	20
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140	Single-image super-resolution based on semi-supervised learning <b>2011</b> ,		6
139	Local semi-supervised regression for single-image super-resolution <b>2011</b> ,		6
138	Gender recognition based on local body motions <b>2007</b> ,		6
137	Design and Fabrication of Dual-Scale Broadband Antireflective Structures on Metal Surfaces by Using Nanosecond and Femtosecond Lasers. <i>Micromachines</i> , <b>2019</b> , 11,	3.3	6
136	Multilevel projections with adaptive neighbor graph for unsupervised multi-view feature selection. <i>Information Fusion</i> , <b>2021</b> , 70, 129-140	16.7	6
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133	TLR: Transfer Latent Representation for Unsupervised Domain Adaptation <b>2018</b> ,		6
132	A Generalized Uncorrelated Ridge Regression with Nonnegative Labels for Unsupervised Feature Selection <b>2018</b> ,		6
131	Adaptive Relationship Preserving Sparse NMF for Hyperspectral Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-16	8.1	6
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122	Edge pattern based demosaicking algorithm of color filter array. <i>Transactions of Tianjin University</i> , <b>2013</b> , 19, 29-36	2.9	5
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99	A novel segmentation guided approach for single image dehazing <b>2013</b> ,		3
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95	Robust Subspace Clustering with Low-Rank Structure Constraint. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	3
94	Nonrigid Points Alignment with Soft-weighted Selection <b>2018</b> ,		3
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89	Multi-View Clustering Based on Invisible Weights. <i>IEEE Signal Processing Letters</i> , <b>2021</b> , 28, 1051-1055	3.2	3
88	Improving Single Shot Object Detection With Feature Scale Unmixing. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 2708-2721	8.7	3
87	Zero-shot classification with unseen prototype learning. <i>Neural Computing and Applications</i> , 1	4.8	3
86	Self-Weighted Adaptive Locality Discriminant Analysis <b>2018</b> ,		3
85	Hyperspectral Unmixing Using Nonlocal Similarity-Regularized Low-Rank Tensor Factorization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-14	8.1	3
84	Adaptive Spectral Rotation via Joint Cluster and Pairwise Structure. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	3
83	Structured Graph Reconstruction for Scalable Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 1-1	4.2	2
82	Determination of Temporal Stock Investment Styles via Biclustering Trading Patterns. <i>Cognitive Computation</i> , <b>2019</b> , 11, 799-808	4.4	2
81	How to represent scenes for classification? <b>2015</b> ,		2
80	Multi-View Clustering Via Mixed Embedding Approximation <b>2020</b> ,		2
79	Semantic segmentation with hybrid pyramid pooling and stacked pyramid structure. <i>Neurocomputing</i> , <b>2020</b> , 410, 454-467	5.4	2
78	Unsupervised Discriminative Projection for Feature Selection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	2
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71	A novel rain detection and removal approach using guided filtering and formation modeling <b>2013</b> ,		2
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69	Representative and diverse video summarization <b>2015</b> ,		2
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63	Frequency structure analysis for IQA. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , <b>2008</b> ,	2	2
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52	Spatio-Temporal Online Matrix Factorization for Multi-scale Moving Objects Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	2
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33	Unsupervised Hyperspectral Band Selection Based on Hypergraph Spectral Clustering. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	1
32	Spatial-Spectral Hyperspectral Image Classification Via Multiple Random Anchor Graphs Ensemble Learning <b>2021</b> ,		1
31	Detail-preserving single nighttime image dehazing. <i>Journal of Electronic Imaging</i> , <b>2020</b> , 29, 1	0.7	1
30	IQ-STAN: Image Quality Guided Spatio-Temporal Attention Network for License Plate Recognition <b>2020</b> ,		1
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28	Guest Editorial Special Section on Learning in Non-(geo)metric Spaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 1290-1293	10.3	1
27	A Multi-Task Architecture for Remote Sensing by Joint Scene Classification and Image Quality Assessment <b>2019</b> ,		1
26	An Introspective Learning Strategy for Remote Sensing Scene Classification <b>2019</b> ,		1
25	Compact Interchannel Sampling Difference Descriptor for Color Texture Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 1684-1696	6.4	1
24	DGIG-Net: Dynamic Graph-in-Graph Networks for Few-Shot Human-Object Interaction. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	1
23	Fast Fuzzy Clustering Based on Anchor Graph. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	1
22	A semi-supervised zero-shot image classification method based on soft-target. <i>Neural Networks</i> , <b>2021</b> , 143, 88-96	9.1	1
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16	Fast Semi-Supervised Learning With Optimal Bipartite Graph. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	o
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1	Iteratively Re-Weighted method for Sparsity-Inducing Norms. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	

