

Xuelong Li

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.

709 papers	33,170 citations	93 h-index	151 g-index
763 ext. papers	40,129 ext. citations	6.4 avg, IF	8.14 L-index

#	Paper	IF	Citations
709	General tensor discriminant analysis and gabor features for gait recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 1700-15	13.3	884
708	Toward Scalable Systems for Big Data Analytics: A Technology Tutorial. <i>IEEE Access</i> , 2014 , 2, 652-687	3.5	681
707	Asymmetric bagging and random subspace for support vector machines-based relevance feedback in image retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2006 , 28, 1088-99	13.3	645
706	. <i>IEEE Access</i> , 2015 , 3, 490-530	3.5	615
705	Geometric mean for subspace selection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009 , 31, 260-74	13.3	428
704	Fast and accurate matrix completion via truncated nuclear norm regularization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 2117-30	13.3	404
703	Efficient kNN Classification With Different Numbers of Nearest Neighbors. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1774-1785	10.3	401
702	Transfer learning for visual categorization: a survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1019-34	10.3	392
701	Joint embedding learning and sparse regression: a framework for unsupervised feature selection. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 793-804	10.2	374
700	A survey of graph edit distance. <i>Pattern Analysis and Applications</i> , 2010 , 13, 113-129	2.3	372
699	Single image super-resolution with non-local means and steering kernel regression. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4544-56	8.7	349
698	Constrained Nonnegative Matrix Factorization for Image Representation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 1299-311	13.3	314
697	Visual-textual joint relevance learning for tag-based social image search. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 363-76	8.7	313
696	From heuristic optimization to dictionary learning: a review and comprehensive comparison of image denoising algorithms. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1001-13	10.2	308
695	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2009 , 21, 1299-1313	4.2	298
694	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 1155-1167	8.1	297
693	Manifold Regularized Sparse NMF for Hyperspectral Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 2815-2826	8.1	262

692	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 3-13	8.1	258
691	Learning Discriminative Binary Codes for Large-scale Cross-modal Retrieval. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2494-2507	8.7	247
690	Lazy random walks for superpixel segmentation. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 1451-62	7.7	246
689	Supervised tensor learning. <i>Knowledge and Information Systems</i> , 2007 , 13, 1-42	2.4	246
688	A Comprehensive Survey to Face Hallucination. <i>International Journal of Computer Vision</i> , 2014 , 106, 9-30	10.6	241
687	Block-Row Sparse Multiview Multilabel Learning for Image Classification. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 450-61	10.2	239
686	Robust Joint Graph Sparse Coding for Unsupervised Spectral Feature Selection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1263-1275	10.3	236
685	Detection of Co-salient Objects by Looking Deep and Wide. <i>International Journal of Computer Vision</i> , 2016 , 120, 215-232	10.6	232
684	. <i>IEEE Communications Surveys and Tutorials</i> , 2016 , 18, 2282-2308	37.1	231
683	Image super-resolution with sparse neighbor embedding. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 3194-205	8.7	230
682	Blind image quality assessment via deep learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1275-86	10.3	218
681	Discriminant locally linear embedding with high-order tensor data. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 342-52		217
680	Feature Learning for Image Classification Via Multiobjective Genetic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1359-1371	10.3	205
679	Spatio-temporal Laplacian pyramid coding for action recognition. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 817-27	10.2	202
678	CNNs-Based RGB-D Saliency Detection via Cross-View Transfer and Multiview Fusion. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 3171-3183	10.2	192
677	Efficient HOG human detection. <i>Signal Processing</i> , 2011 , 91, 773-781	4.4	191
676	Discriminative Transfer Subspace Learning via Low-Rank and Sparse Representation. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 850-63	8.7	186
675	A multi-frame image super-resolution method. <i>Signal Processing</i> , 2010 , 90, 405-414	4.4	183

674	Multi-view Subspace Clustering 2015 ,		179
673	Gabor-Based Region Covariance Matrices for Face Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 989-993	6.4	173
672	Exploring Models and Data for Remote Sensing Image Caption Generation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 2183-2195	8.1	169
671	Auto-Weighted Multi-View Learning for Image Clustering and Semi-Supervised Classification. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 1501-1511	8.7	168
670	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> , 2018 , 115, 30-35	11.5	166
669	Image quality assessment based on multiscale geometric analysis. <i>IEEE Transactions on Image Processing</i> , 2009 , 18, 1409-23	8.7	165
668	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 1811-1824	8.1	159
667	Gait Components and Their Application to Gender Recognition. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 145-155		157
666	Image annotation by multiple-instance learning with discriminative feature mapping and selection. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 669-80	10.2	155
665	Robust Tensor Analysis With L1-Norm. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 172-178	6.4	154
664	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
663	L1-norm-based 2DPCA. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 1170-5		151
662	Contrast Enhancement-Based Forensics in Digital Images. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 515-525	8	150
661	Saliency Detection by Multiple-Instance Learning. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 660-72	10.2	145
660	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 2033-2044	6.6	144
659	. <i>IEEE Transactions on Multimedia</i> , 2006 , 8, 716-727	6.6	142
658	A local Tchebichef moments-based robust image watermarking. <i>Signal Processing</i> , 2009 , 89, 1531-1539	4.4	141
657	Learning multiple linear mappings for efficient single image super-resolution. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 846-61	8.7	139

656	Learning Spatio-Temporal Representations for Action Recognition: A Genetic Programming Approach. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 158-70	10.2	135
655	Person Re-Identification by Regularized Smoothing KISS Metric Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1675-1685	6.4	132
654	Face Sketch-Photo Synthesis and Retrieval Using Sparse Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 1213-1226	6.4	132
653	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 1-13	8.1	130
652	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 1061-1070	6.4	127
651	Joint learning for single-image super-resolution via a coupled constraint. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 469-80	8.7	123
650	Weakly Supervised Adversarial Domain Adaptation for Semantic Segmentation in Urban Scenes. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 4376-4386	8.7	122
649	From Deterministic to Generative: Multimodal Stochastic RNNs for Video Captioning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 3047-3058	10.3	121
648	Data uncertainty in face recognition. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1950-61	10.2	121
647	Robust video object cosegmentation. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 3137-48	8.7	120
646	Semi-Supervised Multitask Learning for Scene Recognition. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1967-76	10.2	116
645	Unsupervised image saliency detection with Gestalt-laws guided optimization and visual attention based refinement. <i>Pattern Recognition</i> , 2018 , 79, 65-78	7.7	115
644	Transductive face sketch-photo synthesis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1364-76	10.3	115
643	Secrecy Outage and Diversity Analysis of Cognitive Radio Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 2222-2236	14.2	114
642	Graph Regularized Non-Negative Low-Rank Matrix Factorization for Image Clustering. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3840-3853	10.2	113
641	A Variational Approach to Simultaneous Image Segmentation and Bias Correction. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1426-37	10.2	113
640	Rank preserving sparse learning for Kinect based scene classification. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1406-17	10.2	112
639	Robust reversible watermarking via clustering and enhanced pixel-wise masking. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 3598-611	8.7	112

638	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 278-286		111
637	Locality Adaptive Discriminant Analysis for Spectral Spatial Classification of Hyperspectral Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 2077-2081	4.1	110
636	Learning k for kNN Classification. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2017 , 8, 1-19	8	109
635	Fusion of multichannel local and global structural cues for photo aesthetics evaluation. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 1419-29	8.7	109
634	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1749-1760	6.4	108
633	A Probabilistic Associative Model for Segmenting Weakly-Supervised Images. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4150-4159	8.7	108
632	Low-Rank Preserving Projections. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1900-13	10.2	107
631	Feature selection with multi-view data: A survey. <i>Information Fusion</i> , 2019 , 50, 158-167	16.7	107
630	DISC: Deep Image Saliency Computing via Progressive Representation Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 1135-49	10.3	106
629	Learning discriminative key poses for action recognition. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1860-70	10.0	106
628	DSets-DBSCAN: A Parameter-Free Clustering Algorithm. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3182-3193	8.7	106
627	An efficient MRF embedded level set method for image segmentation. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 9-21	8.7	103
626	Learning deep and wide: a spectral method for learning deep networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 2303-8	10.3	103
625	Latent Semantic Minimal Hashing for Image Retrieval. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 355-368	8.7	103
624	A Fine-Grained Image Categorization System by Cellet-Encoded Spatial Pyramid Modeling. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 564-571	8.9	102
623	Spatiotemporal Statistics for Video Quality Assessment. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3329-3342	8.7	99
622	Describing Video With Attention-Based Bidirectional LSTM. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2631-2641	10.2	98
621	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 1818-1828	6.6	97

620	Two-Stage Learning to Predict Human Eye Fixations via SDAEs. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 487-98	10.2	96
619	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 833-844	6.6	96
618	Human Gait Recognition With Matrix Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 896-903	6.4	96
617	Single image super-resolution with multiscale similarity learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1648-59	10.3	95
616	Partially Supervised Neighbor Embedding for Example-Based Image Super-Resolution. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011 , 5, 230-239	7.5	92
615	Exposure fusion using boosting Laplacian pyramid. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1579-90	10.2	91
614	Hierarchical Recurrent Neural Hashing for Image Retrieval With Hierarchical Convolutional Features. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 106-120	8.7	90
613	Convolution in Convolution for Network in Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1587-1597	10.3	89
612	A relay level set method for automatic image segmentation. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 518-25		89
611	Integrating conventional and inverse representation for face recognition. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1738-46	10.2	88
610	Texture classification and retrieval using shearlets and linear regression. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 358-69	10.2	87
609	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
608	Mean shift based gradient vector flow for image segmentation. <i>Computer Vision and Image Understanding</i> , 2013 , 117, 1004-1016	4.3	86
607	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2007 , 19, 568-580	4.2	86
606	Multitraining support vector machine for image retrieval. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 3597-601	8.7	86
605	Learning to rank for blind image quality assessment. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2275-90	10.3	85
604	Color to gray: visual cue preservation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 1537-52	13.3	85
603	Tensor Rank One Discriminant AnalysisA convergent method for discriminative multilinear subspace selection. <i>Neurocomputing</i> , 2008 , 71, 1866-1882	5.4	85

602	When Collaboration Hugs Intelligence: Content Delivery over Ultra-Dense Networks 2017 , 55, 91-95		84
601	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 1397-1410	6.4	84
600	Learning Multilayer Channel Features for Pedestrian Detection. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3210-3220	8.7	80
599	Universal blind image quality assessment metrics via natural scene statistics and multiple kernel learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 2013-26	10.3	80
598	Nonlocal Graph Convolutional Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8246-8257	8.1	79
597	A Hybrid Sparsity and Distance-Based Discrimination Detector for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 1704-1717	8.1	79
596	Intrinsic images using optimization 2011 ,		79
595	Machine Learning in Ultrasound Computer-Aided Diagnostic Systems: A Survey. <i>BioMed Research International</i> , 2018 , 2018, 5137904	3	79
594	Re-weighted Discriminatively Embedded K-Means for Multi-view Clustering. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3016-3027	8.7	78
593	Semisupervised dimensionality reduction and classification through virtual label regression. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 675-85		78
592	Robust Semi-Supervised Subspace Clustering via Non-Negative Low-Rank Representation. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1828-38	10.2	76
591	Spectral Embedded Adaptive Neighbors Clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1265-1271	10.3	76
590	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 145-158		76
589	Principal Component 2-D Long Short-Term Memory for Font Recognition on Single Chinese Characters. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 756-65	10.2	74
588	Multiple Representations-Based Face Sketch-Photo Synthesis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2201-2215	10.3	74
587	Single-image super-resolution via local learning. <i>International Journal of Machine Learning and Cybernetics</i> , 2011 , 2, 15-23	3.8	73
586	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 1320-1333	6.4	72
585	A unified tensor level set for image segmentation. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 857-67		72

584	Facial feature point detection: A comprehensive survey. <i>Neurocomputing</i> , 2018 , 275, 50-65	5.4	71
583	. <i>IEEE Transactions on Big Data</i> , 2015 , 1, 162-171	3.2	71
582	Query-Adaptive Reciprocal Hash Tables for Nearest Neighbor Search. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 907-19	8.7	70
581	Interactive Segmentation Using Constrained Laplacian Optimization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 1088-1100	6.4	70
580	Deep semantic understanding of high resolution remote sensing image 2016 ,		69
579	Surveillance Video Synopsis via Scaling Down Objects. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 740-55	8.7	68
578	Integrate the original face image and its mirror image for face recognition. <i>Neurocomputing</i> , 2014 , 131, 191-199	5.4	68
577	A Biologically Inspired Appearance Model for Robust Visual Tracking. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2357-2370	10.3	67
576	Image ratio features for facial expression recognition application. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 779-88		67
575	A Nonlinear Adaptive Level Set for Image Segmentation. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 418-28.2		66
574	Discriminative orthogonal neighborhood-preserving projections for classification. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 253-63		66
573	Modeling Disease Progression via Multisource Multitask Learners: A Case Study With Alzheimer@ Disease. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1508-1519	10.3	65
572	Person reidentification by minimum classification error-based KISS metric learning. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 242-52	10.2	65
571	Segmentation of breast ultrasound image with semantic classification of superpixels. <i>Medical Image Analysis</i> , 2020 , 61, 101657	15.4	65
570	Robust hashing with local models for approximate similarity search. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1225-36	10.2	65
569	Binary two-dimensional PCA. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 1176-80		65
568	Actively learning human gaze shifting paths for semantics-aware photo cropping. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2235-45	8.7	64
567	A new approach for face recognition by sketches in photos. <i>Signal Processing</i> , 2009 , 89, 1576-1588	4.4	64

566	HSA-RNN: Hierarchical Structure-Adaptive RNN for Video Summarization 2018 ,		64
565	Rank Preserving Discriminant Analysis for Human Behavior Recognition on Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 813-823	11.9	63
564	Biologically inspired features for scene classification in video surveillance. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 307-13		63
563	Zernike-moment-based image super resolution. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2738-47	7.7	63
562	Automatic segmentation of breast lesions for interaction in ultrasonic computer-aided diagnosis. <i>Information Sciences</i> , 2015 , 314, 293-310	7.7	62
561	Learning to Predict Eye Fixations via Multiresolution Convolutional Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 392-404	10.3	62
560	Multi-spectral saliency detection. <i>Pattern Recognition Letters</i> , 2013 , 34, 34-41	4.7	62
559	A generalized power iteration method for solving quadratic problem on the Stiefel manifold. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	60
558	Robotic Arm Based Automatic Ultrasound Scanning for Three-Dimensional Imaging. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1173-1182	11.9	60
557	Enhanced Biologically Inspired Model for Object Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1668-80		59
556	A unified learning framework for single image super-resolution. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 780-92	10.3	58
555	Improving level set method for fast auroral oval segmentation. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2854-2865	8.7	58
554	Deterministic Column-Based Matrix Decomposition. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 145-149	4.2	58
553	A General Framework for Edited Video and Raw Video Summarization. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3652-3664	8.7	57
552	Generalized Uncorrelated Regression with Adaptive Graph for Unsupervised Feature Selection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1587-1595	10.3	57
551	Approximate Low-Rank Projection Learning for Feature Extraction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5228-5241	10.3	56
550	Patient-specific ECG classification by deeper CNN from generic to dedicated. <i>Neurocomputing</i> , 2018 , 314, 336-346	5.4	56
549	Realistic action recognition via sparsely-constructed Gaussian processes. <i>Pattern Recognition</i> , 2014 , 47, 3819-3827	7.7	56

548	GA-SIFT: A new scale invariant feature transform for multispectral image using geometric algebra. <i>Information Sciences</i> , 2014 , 281, 559-572	7.7	56
547	Hierarchical Recurrent Neural Network for Video Summarization 2017 ,		56
546	Learning a Nonnegative Sparse Graph for Linear Regression. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2760-71	8.7	56
545	Power line detection from optical images. <i>Neurocomputing</i> , 2014 , 129, 350-361	5.4	55
544	Reversibility improved lossless data hiding. <i>Signal Processing</i> , 2009 , 89, 2053-2065	4.4	55
543	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 4940-4950	4.7	55
542	Discrete Nonnegative Spectral Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 1834-1845	4.2	54
541	Regularized Label Relaxation Linear Regression. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1006-1018	10.3	54
540	Deep neural networks with Elastic Rectified Linear Units for object recognition. <i>Neurocomputing</i> , 2018 , 275, 1132-1139	5.4	54
539	Aging Face Recognition: A Hierarchical Learning Model Based on Local Patterns Selection. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 2146-54	8.7	54
538	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1182-1190	6.4	54
537	Spatial-Aware Object-Level Saliency Prediction by Learning Graphlet Hierarchies. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 1301-1308	8.9	54
536	Multimodal biometrics using geometry preserving projections. <i>Pattern Recognition</i> , 2008 , 41, 805-813	7.7	54
535	Linear SVM classification using boosting HOG features for vehicle detection in low-altitude airborne videos 2011 ,		53
534	Vehicle Detection and Motion Analysis in Low-Altitude Airborne Video Under Urban Environment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 1522-1533	6.4	53
533	Reduced-reference IQA in contourlet domain. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 1623-7		53
532	Modality Mixture Projections for Semantic Video Event Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 1587-1596	6.4	53
531	Unsupervised Deep Noise Modeling for Hyperspectral Image Change Detection. <i>Remote Sensing</i> , 2019 , 11, 258	5	52

530	A Review of Co-Saliency Detection Algorithms. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2018 , 9, 1-31	8	52
529	Intrinsic Image Decomposition Using Optimization and User Scribbles. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 425-36	10.2	52
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