

Dacheng Tao

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.

667
papers

36,820
citations

103
h-index

167
g-index

727
ext. papers

45,740
ext. citations

6.6
avg, IF

8.26
L-index

#	Paper	IF	Citations
667	DehazeNet: An End-to-End System for Single Image Haze Removal. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5187-5198	8.7	1073
666	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
665	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
664	Deep Ordinal Regression Network for Monocular Depth Estimation. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2018 , 2018, 2002-2011	6	492
663	Benchmarking Single Image Dehazing and Beyond. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	458
662	3-D object retrieval and recognition with hypergraph analysis. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4290-303	8.7	439
661	Geometric mean for subspace selection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009 , 31, 260-74	13.3	428
660	Click prediction for web image reranking using multimodal sparse coding. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2019-32	8.7	403
659	A survey of graph edit distance. <i>Pattern Analysis and Applications</i> , 2010 , 13, 113-129	2.3	372
658	Multimodal Deep Autoencoder for Human Pose Recovery. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5659-70	8.7	371
657	MULTi-Store Tracker (MUSTer): A cognitive psychology inspired approach to object tracking 2015 ,		354
656	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
655	. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 2882-2898	4.8	334
654	Superpixel classification based optic disc and optic cup segmentation for glaucoma screening. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 1019-32	11.7	327
653	Multiview spectral embedding. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 1438-46		324
652	NTIRE 2017 Challenge on Single Image Super-Resolution: Methods and Results 2017 ,		322
651	On Combining Multiple Features for Hyperspectral Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 879-893	8.1	319

650	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 929-942	4.2	319
649	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2009 , 21, 1299-1313	4.2	298
648	Classification with Noisy Labels by Importance Reweighting. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 447-61	13.3	292
647	Multi-View Intact Space Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 2531-44	13.3	280
646	Adaptive hypergraph learning and its application in image classification. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 3262-72	8.7	279
645	Learning to rank using user clicks and visual features for image retrieval. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 767-79	10.2	276
644	Multimodal graph-based reranking for web image search. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4649-61	8.7	255
643	Supervised tensor learning. <i>Knowledge and Information Systems</i> , 2007 , 13, 1-42	2.4	246
642	Manifold regularized discriminative nonnegative matrix factorization with fast gradient descent. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2030-48	8.7	243
641	An Underwater Image Enhancement Benchmark Dataset and Beyond. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	242
640	Ensemble manifold regularized sparse low-rank approximation for multiview feature embedding. <i>Pattern Recognition</i> , 2015 , 48, 3102-3112	7.7	241
639	A Comprehensive Survey to Face Hallucination. <i>International Journal of Computer Vision</i> , 2014 , 106, 9-30	10.6	241
638	Beyond streams and graphs 2006 ,		237
637	Image super-resolution with sparse neighbor embedding. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 3194-205	8.7	230
636	Multi-Directional Multi-Level Dual-Cross Patterns for Robust Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 518-31	13.3	229
635	Slow feature analysis for human action recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 436-50	13.3	226
634	High-order distance-based multiview stochastic learning in image classification. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2431-42	10.2	222
633	Blind image quality assessment via deep learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1275-86	10.3	218

632	Tensor Discriminative Locality Alignment for Hyperspectral Image Spectral-Spatial Feature Extraction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 242-256	8.1	218
631	Semisupervised multiview distance metric learning for cartoon synthesis. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4636-48	8.7	217
630	Multiview Hessian regularization for image annotation. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 2676-87	8.7	216
629	Deep Multimodal Distance Metric Learning Using Click Constraints for Image Ranking. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 4014-4024	10.2	215
628	Learning a No-Reference Quality Assessment Model of Enhanced Images With Big Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1301-1313	10.3	214
627	Triplet-Based Deep Hashing Network for Cross-Modal Retrieval. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 3893-3903	8.7	208
626	Feature Learning Using Spatial-Spectral Hypergraph Discriminant Analysis for Hyperspectral Image. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2406-2419	10.2	207
625	Trunk-Branch Ensemble Convolutional Neural Networks for Video-Based Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 1002-1014	13.3	204
624	Hierarchical Deep Click Feature Prediction for Fine-grained Image Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 ,	13.3	202
623	Spatio-temporal Laplacian pyramid coding for action recognition. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 817-27	10.2	202
622	Marginal Fisher analysis and its variants for human gait recognition and content- based image retrieval. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 2811-21	8.7	202
621	Online nonnegative matrix factorization with robust stochastic approximation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 1087-99	10.3	194
620	Large-Margin Multi-View Information Bottleneck. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 1559-72	13.3	192
619	Multi-modal Factorized Bilinear Pooling with Co-attention Learning for Visual Question Answering 2017 ,		186
618	A multi-frame image super-resolution method. <i>Signal Processing</i> , 2010 , 90, 405-414	4.4	183
617	Feature Selection Based on Structured Sparsity: A Comprehensive Study. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1490-1507	10.3	180
616	Simultaneous Spectral-Spatial Feature Selection and Extraction for Hyperspectral Images. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 16-28	10.2	179
615	Person re-identification over camera networks using multi-task distance metric learning. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 3656-70	8.7	178

614	Generalized Latent Multi-View Subspace Clustering. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 86-99	13.3	177
613	Beyond Bilinear: Generalized Multimodal Factorized High-Order Pooling for Visual Question Answering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5947-5959	10.3	175
612	Multi-Modal Curriculum Learning for Semi-Supervised Image Classification. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3249-3260	8.7	175
611	Part-Stacked CNN for Fine-Grained Visual Categorization 2016 ,		168
610	Ensemble manifold regularization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 1227-33	13.3	167
609	Hyperspectral image unsupervised classification by robust manifold matrix factorization. <i>Information Sciences</i> , 2019 , 485, 154-169	7.7	165
608	Image quality assessment based on multiscale geometric analysis. <i>IEEE Transactions on Image Processing</i> , 2009 , 18, 1409-23	8.7	165
607	Multiview Hessian discriminative sparse coding for image annotation. <i>Computer Vision and Image Understanding</i> , 2014 , 118, 50-60	4.3	162
606	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 1811-1824	8.1	159
605	DAML: domain adaptation metric learning. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2980-9	8.7	158
604	Perceptual Adversarial Networks for Image-to-Image Transformation. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 4066-4079	8.7	158
603	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
602	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
601	Knowledge Distillation: A Survey. <i>International Journal of Computer Vision</i> , 2021 , 129, 1789-1819	10.6	154
600	Spatial Pyramid-Enhanced NetVLAD With Weighted Triplet Loss for Place Recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 661-674	10.3	154
599	Biologically inspired feature manifold for scene classification. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 174-84	8.7	150
598	A Comprehensive Survey on Pose-Invariant Face Recognition. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016 , 7, 1-42	8	147
597	Non-negative patch alignment framework. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 1218-30		146

596	Manifold elastic net: a unified framework for sparse dimension reduction. <i>Data Mining and Knowledge Discovery</i> , 2011 , 22, 340-371	5.6	144
595	Self-Supervised Adversarial Hashing Networks for Cross-Modal Retrieval 2018 ,		144
594	Deep Modular Co-Attention Networks for Visual Question Answering 2019 ,		143
593	. <i>IEEE Transactions on Multimedia</i> , 2006 , 8, 716-727	6.6	142
592	Manifold regularized multitask learning for semi-supervised multilabel image classification. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 523-36	8.7	141
591	A local Tchebichef moments-based robust image watermarking. <i>Signal Processing</i> , 2009 , 89, 1531-1539	4.4	141
590	Tensor Canonical Correlation Analysis for Multi-View Dimension Reduction. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 3111-3124	4.2	139
589	Learning multiple linear mappings for efficient single image super-resolution. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 846-61	8.7	139
588	Sparse Transfer Manifold Embedding for Hyperspectral Target Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 1030-1043	8.1	139
587	Fast Supervised Discrete Hashing. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 490-496	13.3	138
586	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
585	Incremental tensor analysis. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2008 , 2, 1-37	4	132
584	Robust face recognition via occlusion dictionary learning. <i>Pattern Recognition</i> , 2014 , 47, 1559-1572	7.7	128
583	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 1061-1070	6.4	127
582	Multitask Autoencoder Model for Recovering Human Poses. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5060-5068	8.9	125
581	Coupled Deep Autoencoder for Single Image Super-Resolution. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 27-37	10.2	124
580	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
579	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 4955-4965	8.1	120

578	Max-min distance analysis by using sequential SDP relaxation for dimension reduction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 1037-50	13.3	120
577	Probabilistic exposure fusion. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 341-57	8.7	118
576	2019 ,		117
575	Compression of hyperspectral remote sensing images by tensor approach. <i>Neurocomputing</i> , 2015 , 147, 358-363	5.4	116
574	Transductive face sketch-photo synthesis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1364-76	10.3	115
573	Biased discriminant euclidean embedding for content-based image retrieval. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 545-54	8.7	114
572	On Unifying Multi-view Self-Representations for Clustering by Tensor Multi-rank Minimization. <i>International Journal of Computer Vision</i> , 2018 , 126, 1157-1179	10.6	113
571	Robust reversible watermarking via clustering and enhanced pixel-wise masking. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 3598-611	8.7	112
570	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 278-286		111
569	Semi-supervised Coupled Dictionary Learning for Person Re-identification 2014 ,		110
568	Multiview vector-valued manifold regularization for multilabel image classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 709-22	10.3	107
567	Multi-View Learning With Incomplete Views. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5812-25	8.7	105
566	Decomposition-based transfer distance metric learning for image classification. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 3789-801	8.7	105
565	On Compressing Deep Models by Low Rank and Sparse Decomposition 2017 ,		104
564	Pairwise constraints based multiview features fusion for scene classification. <i>Pattern Recognition</i> , 2013 , 46, 483-496	7.7	102
563	Evolutionary Generative Adversarial Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 921-934	15.6	101
562	Multiview matrix completion for multilabel image classification. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2355-68	8.7	101
561	Unsupervised Semantic-Preserving Adversarial Hashing for Image Search. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 4032-4044	8.7	100

560	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 4642-4659	8.1	97
559	Exploring Representativeness and Informativeness for Active Learning. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 14-26	10.2	96
558	Human Gait Recognition With Matrix Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 896-903	6.4	96
557	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
556	Tracking via Robust Multi-task Multi-view Joint Sparse Representation 2013 ,		93
555	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 7789-7817	10.7	93
554	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
553	Complex object correspondence construction in two-dimensional animation. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 3257-69	8.7	92
552	Two-Stage Cascaded U-Net: 1st Place Solution to BraTS Challenge 2019 Segmentation Task. <i>Lecture Notes in Computer Science</i> , 2020 , 231-241	0.9	91
551	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 1741-1754	8.1	91
550	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 2022-2032	6.6	90
549	Shared Predictive Cross-Modal Deep Quantization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5292-5303	10.3	90
548	A relay level set method for automatic image segmentation. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 518-25		89
547	Multi-View Object Retrieval via Multi-Scale Topic Models. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5814-5827	8.7	88
546	Saliency propagation from simple to difficult 2015 ,		87
545	Semantic-gap-oriented active learning for multilabel image annotation. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 2354-60	8.7	86
544	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2007 , 19, 568-580	4.2	86
543	Multitraining support vector machine for image retrieval. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 3597-601	8.7	86

542	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
541	Color to gray: visual cue preservation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 1537-52	13.3	85
540	Tensor Rank One Discriminant Analysis: A convergent method for discriminative multilinear subspace selection. <i>Neurocomputing</i> , 2008 , 71, 1866-1882	5.4	85
539	m-SNE: Multiview Stochastic Neighbor Embedding. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1088-96		84
538	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 1397-1410	6.4	84
537	Active multi-kernel domain adaptation for hyperspectral image classification. <i>Pattern Recognition</i> , 2018 , 77, 306-315	7.7	83
536	Subspaces indexing model on Grassmann manifold for image search. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2627-35	8.7	83
535	Pose-invariant face recognition with homography-based normalization. <i>Pattern Recognition</i> , 2017 , 66, 144-152	7.7	81
534	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
533	Label Propagation via Teaching-to-Learn and Learning-to-Teach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1452-1465	10.3	78
532	On combining multiple features for cartoon character retrieval and clip synthesis. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 1413-27		78
531	Active reranking for web image search. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 805-20	8.7	78
530	Sparse transfer learning for interactive video search reranking. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2012 , 8, 1-19	3.4	78
529	Algorithm-Dependent Generalization Bounds for Multi-Task Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 227-241	13.3	77
528	Deformed graph laplacian for semisupervised learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2261-74	10.3	77
527	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 145-158		76
526	Person Re-Identification With Metric Learning Using Privileged Information. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 791-805	8.7	74
525	Multiple Representations-Based Face Sketch-Photo Synthesis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2201-2215	10.3	74

524	Group sparse multiview patch alignment framework with view consistency for image classification. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 3126-37	8.7	72
523	A unified tensor level set for image segmentation. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 857-67		72
522	Facial feature point detection: A comprehensive survey. <i>Neurocomputing</i> , 2018 , 275, 50-65	5.4	71
521	A prior neurophysiologic knowledge free tensor-based scheme for single trial EEG classification. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2009 , 17, 107-15	4.8	71
520	Large Margin Multi-Modal Multi-Task Feature Extraction for Image Classification. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 414-27	8.7	70
519	Query-Adaptive Reciprocal Hash Tables for Nearest Neighbor Search. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 907-19	8.7	70
518	Deep semantic understanding of high resolution remote sensing image 2016 ,		69
517	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
516	Image ratio features for facial expression recognition application. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 779-88		67
515	A Nonlinear Adaptive Level Set for Image Segmentation. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 418-28.2		66
514	Sparse Unsupervised Dimensionality Reduction for Multiple View Data. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 1485-1496	6.4	66
513	Discriminative orthogonal neighborhood-preserving projections for classification. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 253-63		66
512	Unified Photo Enhancement by Discovering Aesthetic Communities From Flickr. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1124-35	8.7	65
511	A Coarse-Fine Network for Keypoint Localization 2017 ,		65
510	Double shrinking sparse dimension reduction. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 244-57	8.7	65
509	Binary two-dimensional PCA. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 1176-80		65
508	A new approach for face recognition by sketches in photos. <i>Signal Processing</i> , 2009 , 89, 1576-1588	4.4	64
507	Biologically inspired features for scene classification in video surveillance. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 307-13		63

506	Zernike-moment-based image super resolution. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2738-478.7	6.3	63
505	Attention-GAN for Object Transfiguration in Wild Images. <i>Lecture Notes in Computer Science</i> , 2018 , 167-184		62
504	One-pass Multi-task Networks with Cross-task Guided Attention for Brain Tumor Segmentation. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	61
503	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 359-369	6.6	61
502	Video Saliency Detection Using Object Proposals. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 3159-3170	10.2	60
501	Distributed Adaptive Binary Quantization for Fast Nearest Neighbor Search. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 5324-5336	8.7	60
500	Robust Graph-Based Semisupervised Learning for Noisy Labeled Data via Maximum Correntropy Criterion. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1440-1453	10.2	60
499	Learning from Multiple Teacher Networks 2017 ,		59
498	Enhanced Biologically Inspired Model for Object Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1668-80		59
497	Gated-GAN: Adversarial Gated Networks for Multi-Collection Style Transfer. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 546-560	8.7	59
496	FAMED-Net: A Fast and Accurate Multi-Scale End-to-End Dehazing Network. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 72-84	8.7	59
495	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
494	Improving level set method for fast auroral oval segmentation. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2854-2865	8.7	58
493	Query-Adaptive Hash Code Ranking for Large-Scale Multi-View Visual Search. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4514-24	8.7	58
492	No-reference image quality assessment in contourlet domain. <i>Neurocomputing</i> , 2010 , 73, 784-794	5.4	57
491	Top-k Feature Selection Framework Using Robust 0-1 Integer Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3005-3019	10.3	57
490	Robust Multitask Multiview Tracking in Videos. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2874-90	10.3	56
489	Discriminative Locality Alignment. <i>Lecture Notes in Computer Science</i> , 2008 , 725-738	0.9	56

488	Recurrent Feature Reasoning for Image Inpainting 2020 ,		56
487	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 1265-1276	6.4	55
486	Reversibility improved lossless data hiding. <i>Signal Processing</i> , 2009 , 89, 2053-2065	4.4	55
485	Non-Local Auto-Encoder With Collaborative Stabilization for Image Restoration. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 2117-29	8.7	55
484	Holistic CNN Compression via Low-Rank Decomposition with Knowledge Transfer. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2889-2905	13.3	55
483	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1182-1190	6.4	54
482	Multimodal biometrics using geometry preserving projections. <i>Pattern Recognition</i> , 2008 , 41, 805-813	7.7	54
481	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019 , 6, 693-702	7	53
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