

zhenmin Tang

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.

145
papers

1,835
citations

20
h-index

38
g-index

179
ext. papers

2,245
ext. citations

3.2
avg, IF

5.18
L-index

#	Paper	IF	Citations
145	Minimum cost attribute reduction in decision-theoretic rough set models. <i>Information Sciences</i> , 2013 , 219, 151-167	7.7	169
144	Inductive Hashing on Manifolds 2013 ,		149
143	Hashing on nonlinear manifolds. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1839-51	8.7	109
142	On an optimization representation of decision-theoretic rough set model. <i>International Journal of Approximate Reasoning</i> , 2014 , 55, 156-166	3.6	101
141	A theorem on the uncorrelated optimal discriminant vectors. <i>Pattern Recognition</i> , 2001 , 34, 2041-2047	7.7	75
140	TargetATPsite: a template-free method for ATP-binding sites prediction with residue evolution image sparse representation and classifier ensemble. <i>Journal of Computational Chemistry</i> , 2013 , 34, 974-85	3.5	53
139	Feature extraction using local structure preserving discriminant analysis. <i>Neurocomputing</i> , 2014 , 140, 104-113	5.4	49
138	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1771-1784	6.6	48
137	WLBP: Weber local binary pattern for local image description. <i>Neurocomputing</i> , 2013 , 120, 325-335	5.4	48
136	Improving protein-ATP binding residues prediction by boosting SVMs with random under-sampling. <i>Neurocomputing</i> , 2013 , 104, 180-190	5.4	47
135	Hierarchical initialization approach for K-Means clustering. <i>Pattern Recognition Letters</i> , 2008 , 29, 787-795	4.7	47
134	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2891-2902	6.6	35
133	Modified particle filter-based infrared pedestrian tracking. <i>Infrared Physics and Technology</i> , 2010 , 53, 280-287	2.7	33
132	Extracting Privileged Information for Enhancing Classifier Learning. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	31
131	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 184-196	6.6	25
130	Non-Salient Region Object Mining for Weakly Supervised Semantic Segmentation 2021 ,		24
129	Pavement crack detection based on saliency and statistical features 2013 ,		23

128	Enhancing membrane protein subcellular localization prediction by parallel fusion of multi-view features. <i>IEEE Transactions on Nanobioscience</i> , 2012 , 11, 375-85	3.4	23
127	Approximate least trimmed sum of squares fitting and applications in image analysis. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1836-47	8.7	21
126	Fast and Accurate Human Detection Using a Cascade of Boosted MS-LBP Features. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 676-679	3.2	21
125	Constructing query-driven dynamic machine learning model with application to protein-ligand binding sites prediction. <i>IEEE Transactions on Nanobioscience</i> , 2015 , 14, 45-58	3.4	20
124	QMOR: QoS-Aware Multi-sink Opportunistic Routing for Wireless Multimedia Sensor Networks. <i>Wireless Personal Communications</i> , 2014 , 75, 1307-1330	1.9	20
123	Learning protein multi-view features in complex space. <i>Amino Acids</i> , 2013 , 44, 1365-79	3.5	18
122	A Domain Robust Approach For Image Dataset Construction 2016 ,		18
121	Double Constrained NMF for Partial Multi-View Clustering 2016 ,		17
120	Fusing hierarchical multi-scale local binary patterns and virtual mirror samples to perform face recognition. <i>Neural Computing and Applications</i> , 2015 , 26, 2013-2026	4.8	16
119	Local Structure-Based Sparse Representation for Face Recognition. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2015 , 7, 1-20	8	16
118	Sparse representation-based ECG signal enhancement and QRS detection. <i>Physiological Measurement</i> , 2016 , 37, 2093-2110	2.9	15
117	Locality constrained representation based classification with spatial pyramid patches. <i>Neurocomputing</i> , 2013 , 101, 104-115	5.4	15
116	A Novel Dynamic Obstacle Avoidance Algorithm Based on Collision Time Histogram. <i>Chinese Journal of Electronics</i> , 2017 , 26, 522-529	0.9	14
115	Discriminant similarity and variance preserving projection for feature extraction. <i>Neurocomputing</i> , 2014 , 139, 180-188	5.4	14
114	Priority-based IEEE 802.15.4 CSMA/CA mechanism for WSNs. <i>Journal of China Universities of Posts and Telecommunications</i> , 2013 , 20, 47-53		14
113	Jo-SRC: A Contrastive Approach for Combating Noisy Labels 2021 ,		14
112	SegEQA: Video Segmentation Based Visual Attention for Embodied Question Answering 2019 ,		14
111	Feature mask network for person re-identification. <i>Pattern Recognition Letters</i> , 2020 , 137, 91-98	4.7	14

110	Fast approximate . <i>Computational Statistics and Data Analysis</i> , 2014 , 77, 25-37	1.6	13
109	Data-driven Meta-set Based Fine-Grained Visual Recognition 2020 ,		13
108	Asymptotic stability of bidirectional associative memory neural networks with time-varying delays via delta operator approach. <i>Neurocomputing</i> , 2013 , 117, 40-46	5.4	12
107	A new web-supervised method for image dataset constructions. <i>Neurocomputing</i> , 2017 , 236, 23-31	5.4	12
106	Theory and application of multi-robot service-oriented architecture. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2016 , 3, 15-25	7	12
105	Robust CNN-based Gait Verification and Identification using Skeleton Gait Energy Image 2018 ,		12
104	Robust gait recognition using hybrid descriptors based on Skeleton Gait Energy Image. <i>Pattern Recognition Letters</i> , 2019 , 150, 289-289	4.7	11
103	Local maximal margin discriminant embedding for face recognition. <i>Journal of Visual Communication and Image Representation</i> , 2014 , 25, 296-305	2.7	11
102	Local Competition-Based Superpixel Segmentation Algorithm in Remote Sensing. <i>Sensors</i> , 2017 , 17,	3.8	11
101	Optimal Deployment and Scheduling with Directional Sensors for Energy-Efficient Barrier Coverage. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 596983	1.7	11
100	True-Color and Grayscale Video Person Re-Identification. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 115-129	8	11
99	An Adaptive Opportunistic Network Coding Mechanism in Wireless Multimedia Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2012 , 8, 565604	1.7	9
98	Kernel-based improved discriminant analysis and its application to face recognition. <i>Soft Computing</i> , 2010 , 14, 103-111	3.5	9
97	Uncertainty measures for interval set information tables based on interval \mathcal{E} similarity relation. <i>Information Sciences</i> , 2019 , 501, 272-292	7.7	8
96	Statistical performance of convex low-rank and sparse tensor recovery. <i>Pattern Recognition</i> , 2019 , 93, 193-203	7.7	8
95	Infrared human tracking with improved mean shift algorithm based on multicue fusion. <i>Applied Optics</i> , 2009 , 48, 4201-12	0.2	8
94	. <i>IEEE Access</i> , 2019 , 7, 46637-46645	3.5	7
93	Automatic image dataset construction with multiple textual metadata 2016 ,		7

92	Strong barrier coverage of directional sensor networks with mobile sensors. <i>International Journal of Distributed Sensor Networks</i> , 2018 , 14, 155014771876158	1.7	7
91	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 1197-1208	6.4	7
90	Exploiting Universum data in AdaBoost using gradient descent. <i>Image and Vision Computing</i> , 2014 , 32, 550-557	3.7	7
89	Cooperative search and rescue with artificial fishes based on fish-swarm algorithm for underwater wireless sensor networks. <i>Scientific World Journal, The</i> , 2014 , 2014, 145306	2.2	7
88	Local structure based sparse representation for face recognition with single sample per person 2014 ,		7
87	Nearest-neighbor classifier motivated marginal discriminant projections for face recognition. <i>Frontiers of Computer Science</i> , 2011 , 5, 419-428		7
86	Fast total variation deconvolution for blurred image contaminated by Poisson noise. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 38, 582-594	2.7	7
85	Robust subspace clustering via joint weighted Schatten- p norm and Lq norm minimization. <i>Journal of Electronic Imaging</i> , 2017 , 26, 033021	0.7	6
84	Proportional fair resource allocation based on hybrid ant colony optimization for slow adaptive OFDMA system. <i>Information Sciences</i> , 2015 , 293, 1-10	7.7	6
83	Deep Learning for Person Reidentification Using Support Vector Machines. <i>Advances in Multimedia</i> , 2017 , 2017, 1-12	0.9	6
82	Hybrid-genetic-algorithm-based resource allocation for slow adaptive OFDMA system under channel uncertainty. <i>Electronics Letters</i> , 2014 , 50, 30-32	1.1	6
81	I-vector based speaker gender recognition 2015 ,		6
80	Infrared dim target detection based on fractal dimension and third-order characterization. <i>Chinese Optics Letters</i> , 2009 , 7, 931-933	2.2	6
79	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	6
78	L2OR: Low-Cost Low-Complexity Opportunistic Routing for Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2015 , 82, 401-422	1.9	5
77	Speech Enhancement Based on NMF Under Electric Vehicle Noise Condition. <i>IEEE Access</i> , 2018 , 6, 9147-9159	3.59	5
76	Exploiting textual and visual features for image categorization. <i>Pattern Recognition Letters</i> , 2019 , 117, 140-145	4.7	5
75	Energy efficient barrier coverage in hybrid directional sensor networks 2015 ,		5

74	Denoising and baseline correction of ECG signals using sparse representation 2015 ,		5
73	A hierarchical framework approach for voice activity detection and speech enhancement. <i>Scientific World Journal, The</i> , 2014 , 2014, 723643	2.2	5
72	Proportional fairness resource allocation scheme based on quantised feedback for multiuser orthogonal frequency division multiplexing system. <i>IET Communications</i> , 2014 , 8, 2925-2932	1.3	5
71	A Visibility-Based Algorithm for Multi-Robot Boundary Coverage. <i>International Journal of Advanced Robotic Systems</i> , 2008 , 5, 7	1.4	5
70	Extensions of dominance-based rough set approach in incomplete information system. <i>Automatic Control and Computer Sciences</i> , 2008 , 42, 255-263	0.7	5
69	Incomplete Variable Multigranulation Rough Sets Decision. <i>Applied Mathematics and Information Sciences</i> , 2014 , 8, 1159-1166	2.4	5
68	Extracting Useful Knowledge from Noisy Web Images via Data Purification for Fine-Grained Recognition 2021 ,		5
67	Deep Convex NMF for Image Clustering. <i>Lecture Notes in Computer Science</i> , 2016 , 583-590	0.9	5
66	Classification Constrained Discriminator For Domain Adaptive Semantic Segmentation 2020 ,		5
65	Deep representation learning for road detection using Siamese network. <i>Multimedia Tools and Applications</i> , 2019 , 78, 24269-24283	2.5	5
64	Multi-View Label Prediction for Unsupervised Learning Person Re-Identification. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1390-1394	3.2	5
63	Exploiting textual queries for dynamically visual disambiguation. <i>Pattern Recognition</i> , 2021 , 110, 107620-7		5
62	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	5
61	C2EM: cloud-assisted complex event monitoring in wireless multimedia sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	4
60	A bat-like switched flying and adhesive robot 2012 ,		4
59	Abnormal behavior recognition system for ATM monitoring by RGB-D camera 2012 ,		4
58	A modification of kernel discriminant analysis for high-dimensional data with application to face recognition. <i>Signal Processing</i> , 2010 , 90, 2423-2430	4.4	4
57	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	4

56	Object Detection Based on Co-occurrence GMuLBP Features 2012 ,		3
55	Automatic image de-weathering using physical model and maximum entropy 2008 ,		3
54	Speaker identification using multi-step clustering algorithm with transformation-based GMM. <i>Automatic Control and Computer Sciences</i> , 2007 , 41, 224-231	0.7	3
53	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	3
52	Extracting Privileged Information from Untagged Corpora for Classifier Learning 2018 ,		3
51	A Variable Multigranulation Rough Sets Approach. <i>Lecture Notes in Computer Science</i> , 2012 , 315-322	0.9	3
50	2020 ,		3
49	Center Based Pseudo-Labeling For Semi-Supervised Person Re-Identification 2018 ,		3
48	Information-theoretic measures of uncertainty for interval-set decision tables. <i>Information Sciences</i> , 2021 , 577, 81-104	7.7	3
47	Lightweight mixture faults detection method for gasoline engine using on-line trend analysis. <i>International Journal of Automotive Technology</i> , 2017 , 18, 365-375	1.6	2
46	A novel SRC fusion method using hierarchical multi-scale LBP and greedy search strategy. <i>Neurocomputing</i> , 2015 , 151, 1455-1467	5.4	2
45	Extracting Visual Knowledge From the Internet: Making Sense of Image Data. <i>Lecture Notes in Computer Science</i> , 2016 , 862-873	0.9	2
44	Path tracking of unmanned vehicle based on parameters self-tuning fuzzy control 2013 ,		2
43	A Fast Generalized Low Rank Representation Framework Based on $L_{2,p}$ Norm Minimization for Subspace Clustering. <i>IEEE Access</i> , 2017 , 5, 23299-23311	3.5	2
42	Robust Gait Recognition under Unconstrained Environments Using Hybrid Descriptions 2017 ,		2
41	An Efficient Algorithm for Infrared Small Target Detection 2009 ,		2
40	A New Resampling Strategy about Particle Filter Algorithm Applied in Monte Carlo Framework 2009 ,		2
39	Ensemble Learning and Optimizing KNN Method for Speaker Recognition 2007 ,		2

38	Neural Network Ensemble Based on Vowel Classification for Chinese Speaker Recognition 2007 ,		2
37	Path Planning for Nonholonomic Car-like Mobile Robots Using Genetic Algorithms 2006 ,		2
36	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	2
35	Dense Semantics-Assisted Networks For Video Action Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	2
34	Local and global regularized concept factorization for image clustering. <i>Journal of Electronic Imaging</i> , 2017 , 26, 013003	0.7	1
33	Integrating virtual samples and fuzzy discriminant analysis for sparse representation-based face classification. <i>Journal of Electronic Imaging</i> , 2015 , 24, 023013	0.7	1
32	Maximum Likelihood Estimation of Monocular Optical Flow Field for Mobile Robot Ego-Motion. <i>International Journal of Advanced Robotic Systems</i> , 2016 , 13, 12	1.4	1
31	Exploiting Visual Saliency and Bag-of-Words for Road Sign Recognition. <i>IEICE Transactions on Information and Systems</i> , 2014 , E97.D, 2473-2482	0.6	1
30	Food Safety Evaluation System Construction Based on Artificial Neural Network. <i>Advance Journal of Food Science and Technology</i> , 2015 , 8, 98-100	0.1	1
29	Pavement crack detection based on improved tensor voting 2014 ,		1
28	Finding structural patterns in complex networks 2012 ,		1
27	A new approach of formation navigation derived from multi-robots cooperative online FastSLAM. <i>Journal of Control Theory and Applications</i> , 2012 , 10, 451-457		1
26	Feature extraction using graph discriminant embedding 2013 ,		1
25	Optimal Multilevel Thresholding using Improved Gravitational Search Algorithm for Image Segmentation 2013 ,		1
24	A study on speaker identification based on weighted LS-SVM. <i>Automatic Control and Computer Sciences</i> , 2009 , 43, 328-335	0.7	1
23	Real time road sign detection based on rotational center voting and shape analysis 2012 ,		1
22	Architecture Design for Intelligent Vehicle Computing Platform Based on Internet of Vehicles. <i>Applied Mechanics and Materials</i> , 2012 , 253-255, 1423-1426	0.3	1
21	Local Similarity Based Linear Discriminant Analysis for Face Recognition with Single Sample per Person. <i>Lecture Notes in Computer Science</i> , 2015 , 85-95	0.9	1

20	Fast Single Image Super Resolution Reconstruction via Image Separation. <i>Journal of Networks</i> , 2014 , 9,		1
19	A Semi-supervised Learning Algorithm Based on Low Rank and Weighted Sparse Graph for Face Recognition. <i>Lecture Notes in Computer Science</i> , 2016 , 121-129	0.9	1
18	Single-Sample Face Recognition Based on Shared Generative Adversarial Network. <i>Mathematics</i> , 2022 , 10, 752	2.3	1
17	Semi-Paired Asymmetric Deep Cross-Modal Hashing Learning. <i>IEEE Access</i> , 2020 , 8, 113814-113825	3.5	0
16	One effective method for ship recognition in ship locks 1999 , 3720, 467		0
15	Transformation-Based GMM with Improved Cluster Algorithm for Speaker Identification 2007 , 1006-1014		0
14	Idology and Its Applications in Public Security and Network Security. <i>Lecture Notes in Computer Science</i> , 2017 , 129-149	0.9	0
13	Uniform Generic Representation for Single Sample Face Recognition. <i>IEEE Access</i> , 2020 , 8, 158281-158292	3.5	0
12	Dynamic Re-Weighting and Cross-Camera Learning for Unsupervised Person Re-Identification. <i>Mathematics</i> , 2022 , 10, 1654	2.3	0
11	Nonnegative matrix factorization with region sparsity learning for hyperspectral unmixing. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2017 , 15, 1750063	0.9	
10	Robust Principal Component Analysis Based Speaker Verification Under Additive Noise Conditions. <i>Communications in Computer and Information Science</i> , 2016 , 598-606	0.3	
9	The Application of Electronic Forensics Technology in Food Safety Traceability System under the Environment of Cloud Computing. <i>Advance Journal of Food Science and Technology</i> , 2015 , 8, 716-719	0.1	
8	Multi-EKF Localization Algorithm for Multi-Robots Formation Navigation. <i>Advanced Materials Research</i> , 2011 , 383-390, 5648-5655	0.5	
7	Calibration of medical x-ray apparatus with deformation. <i>Optical Engineering</i> , 2008 , 47, 126501	1.1	
6	Split-and-merge segmentation using relation stable state 2001 , 4550, 302		
5	Consensus Filtering Algorithm with Incomplete Measurements. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 11, 131247	1.7	
4	Real-Time Head Pose Estimation by RGB-D Camera. <i>Lecture Notes in Computer Science</i> , 2013 , 698-707	0.9	
3	Supervised Kernel Self-Organizing Map. <i>Lecture Notes in Computer Science</i> , 2013 , 246-253	0.9	

- 2 Exploiting Category Similarity-Based Distributed Labeling for Fine-Grained Visual Classification. *IEEE Access*, **2020**, 8, 186679-186690 3.5
- 1 Pedestrian Attribute Recognition with Occlusion in Low Resolution Surveillance Scenarios. *Studies in Computational Intelligence*, **2020**, 377-387 0.8