

# zhenmin Tang

## List of Publications by Year in Descending Order

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

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	Single-Sample Face Recognition Based on Shared Generative Adversarial Network. <i>Mathematics</i> , <b>2022</b> , 10, 752	2.3	1
144	Dynamic Re-Weighting and Cross-Camera Learning for Unsupervised Person Re-Identification. <i>Mathematics</i> , <b>2022</b> , 10, 1654	2.3	0
143	Non-Salient Region Object Mining for Weakly Supervised Semantic Segmentation <b>2021</b> ,		24
142	Jo-SRC: A Contrastive Approach for Combating Noisy Labels <b>2021</b> ,		14
141	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	3
140	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	2
139	Extracting Useful Knowledge from Noisy Web Images via Data Purification for Fine-Grained Recognition <b>2021</b> ,		5
138	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	4
137	Multi-View Label Prediction for Unsupervised Learning Person Re-Identification. <i>IEEE Signal Processing Letters</i> , <b>2021</b> , 28, 1390-1394	3.2	5
136	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	6
135	Exploiting textual queries for dynamically visual disambiguation. <i>Pattern Recognition</i> , <b>2021</b> , 110, 107620-7		5
134	Information-theoretic measures of uncertainty for interval-set decision tables. <i>Information Sciences</i> , <b>2021</b> , 577, 81-104	7.7	3
133	Dense Semantics-Assisted Networks For Video Action Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	2
132	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	5
131	Semi-Paired Asymmetric Deep Cross-Modal Hashing Learning. <i>IEEE Access</i> , <b>2020</b> , 8, 113814-113825	3.5	0
130	Data-driven Meta-set Based Fine-Grained Visual Recognition <b>2020</b> ,		13
129	<b>2020</b> ,		3

128	Classification Constrained Discriminator For Domain Adaptive Semantic Segmentation <b>2020</b> ,		5
127	Exploiting Category Similarity-Based Distributed Labeling for Fine-Grained Visual Classification. <i>IEEE Access</i> , <b>2020</b> , 8, 186679-186690	3.5	
126	Uniform Generic Representation for Single Sample Face Recognition. <i>IEEE Access</i> , <b>2020</b> , 8, 158281-158292	3.5	0
125	Feature mask network for person re-identification. <i>Pattern Recognition Letters</i> , <b>2020</b> , 137, 91-98	4.7	14
124	Pedestrian Attribute Recognition with Occlusion in Low Resolution Surveillance Scenarios. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 377-387	0.8	
123	True-Color and Grayscale Video Person Re-Identification. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2020</b> , 15, 115-129	8	11
122	Uncertainty measures for interval set information tables based on interval $\mathcal{E}$ similarity relation. <i>Information Sciences</i> , <b>2019</b> , 501, 272-292	7.7	8
121	Robust gait recognition using hybrid descriptors based on Skeleton Gait Energy Image. <i>Pattern Recognition Letters</i> , <b>2019</b> , 150, 289-289	4.7	11
120	Statistical performance of convex low-rank and sparse tensor recovery. <i>Pattern Recognition</i> , <b>2019</b> , 93, 193-203	7.7	8
119	. <i>IEEE Access</i> , <b>2019</b> , 7, 46637-46645	3.5	7
118	Exploiting textual and visual features for image categorization. <i>Pattern Recognition Letters</i> , <b>2019</b> , 117, 140-145	4.7	5
117	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 184-196	6.6	25
116	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 2891-2902	6.6	35
115	SegEQA: Video Segmentation Based Visual Attention for Embodied Question Answering <b>2019</b> ,		14
114	Deep representation learning for road detection using Siamese network. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 24269-24283	2.5	5
113	Speech Enhancement Based on NMF Under Electric Vehicle Noise Condition. <i>IEEE Access</i> , <b>2018</b> , 6, 9147-9159	3.5	5
112	Strong barrier coverage of directional sensor networks with mobile sensors. <i>International Journal of Distributed Sensor Networks</i> , <b>2018</b> , 14, 155014771876158	1.7	7
111	Extracting Privileged Information from Untagged Corpora for Classifier Learning <b>2018</b> ,		3

110	Extracting Privileged Information for Enhancing Classifier Learning. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	31
109	Robust CNN-based Gait Verification and Identification using Skeleton Gait Energy Image <b>2018</b> ,		12
108	Center Based Pseudo-Labeling For Semi-Supervised Person Re-Identification <b>2018</b> ,		3
107	Local and global regularized concept factorization for image clustering. <i>Journal of Electronic Imaging</i> , <b>2017</b> , 26, 013003	0.7	1
106	Robust subspace clustering via joint weighted Schatten- p norm and Lq norm minimization. <i>Journal of Electronic Imaging</i> , <b>2017</b> , 26, 033021	0.7	6
105	Lightweight mixture faults detection method for gasoline engine using on-line trend analysis. <i>International Journal of Automotive Technology</i> , <b>2017</b> , 18, 365-375	1.6	2
104	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 1771-1784	6.6	48
103	Nonnegative matrix factorization with region sparsity learning for hyperspectral unmixing. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , <b>2017</b> , 15, 1750063	0.9	
102	Deep Learning for Person Reidentification Using Support Vector Machines. <i>Advances in Multimedia</i> , <b>2017</b> , 2017, 1-12	0.9	6
101	A Novel Dynamic Obstacle Avoidance Algorithm Based on Collision Time Histogram. <i>Chinese Journal of Electronics</i> , <b>2017</b> , 26, 522-529	0.9	14
100	A new web-supervised method for image dataset constructions. <i>Neurocomputing</i> , <b>2017</b> , 236, 23-31	5.4	12
99	A Fast Generalized Low Rank Representation Framework Based on $L_{2,p}$ Norm Minimization for Subspace Clustering. <i>IEEE Access</i> , <b>2017</b> , 5, 23299-23311	3.5	2
98	Robust Gait Recognition under Unconstrained Environments Using Hybrid Descriptions <b>2017</b> ,		2
97	Local Competition-Based Superpixel Segmentation Algorithm in Remote Sensing. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
96	Idology and Its Applications in Public Security and Network Security. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 129-149	0.9	0
95	Maximum Likelihood Estimation of Monocular Optical Flow Field for Mobile Robot Ego-Motion. <i>International Journal of Advanced Robotic Systems</i> , <b>2016</b> , 13, 12	1.4	1
94	Sparse representation-based ECG signal enhancement and QRS detection. <i>Physiological Measurement</i> , <b>2016</b> , 37, 2093-2110	2.9	15
93	Robust Principal Component Analysis Based Speaker Verification Under Additive Noise Conditions. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 598-606	0.3	

92	Automatic image dataset construction with multiple textual metadata <b>2016</b> ,		7
91	Extracting Visual Knowledge from the Internet: Making Sense of Image Data. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 862-873	0.9	2
90	Deep Convex NMF for Image Clustering. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 583-590	0.9	5
89	A Semi-supervised Learning Algorithm Based on Low Rank and Weighted Sparse Graph for Face Recognition. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 121-129	0.9	1
88	A Domain Robust Approach For Image Dataset Construction <b>2016</b> ,		18
87	Double Constrained NMF for Partial Multi-View Clustering <b>2016</b> ,		17
86	Fast total variation deconvolution for blurred image contaminated by Poisson noise. <i>Journal of Visual Communication and Image Representation</i> , <b>2016</b> , 38, 582-594	2.7	7
85	Theory and application of multi-robot service-oriented architecture. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2016</b> , 3, 15-25	7	12
84	Fusing hierarchical multi-scale local binary patterns and virtual mirror samples to perform face recognition. <i>Neural Computing and Applications</i> , <b>2015</b> , 26, 2013-2026	4.8	16
83	Integrating virtual samples and fuzzy discriminant analysis for sparse representation-based face classification. <i>Journal of Electronic Imaging</i> , <b>2015</b> , 24, 023013	0.7	1
82	C2EM: cloud-assisted complex event monitoring in wireless multimedia sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2015</b> , 2015,	3.2	4
81	Constructing query-driven dynamic machine learning model with application to protein-ligand binding sites prediction. <i>IEEE Transactions on Nanobioscience</i> , <b>2015</b> , 14, 45-58	3.4	20
80	Hashing on nonlinear manifolds. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 1839-51	8.7	109
79	Local Structure-Based Sparse Representation for Face Recognition. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2015</b> , 7, 1-20	8	16
78	L2OR: Low-Cost Low-Complexity Opportunistic Routing for Wireless Sensor Networks. <i>Wireless Personal Communications</i> , <b>2015</b> , 82, 401-422	1.9	5
77	A novel SRC fusion method using hierarchical multi-scale LBP and greedy search strategy. <i>Neurocomputing</i> , <b>2015</b> , 151, 1455-1467	5.4	2
76	Proportional fair resource allocation based on hybrid ant colony optimization for slow adaptive OFDMA system. <i>Information Sciences</i> , <b>2015</b> , 293, 1-10	7.7	6
75	I-vector based speaker gender recognition <b>2015</b> ,		6

74	Food Safety Evaluation System Construction Based on Artificial Neural Network. <i>Advance Journal of Food Science and Technology</i> , <b>2015</b> , 8, 98-100	0.1	1
73	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> , <b>2015</b> , 8, 716-719	0.1	
72	Energy efficient barrier coverage in hybrid directional sensor networks <b>2015</b> ,		5
71	Denosing and baseline correction of ECG signals using sparse representation <b>2015</b> ,		5
70	Local Similarity Based Linear Discriminant Analysis for Face Recognition with Single Sample per Person. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 85-95	0.9	1
69	Consensus Filtering Algorithm with Incomplete Measurements. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 131247	1.7	
68	QMOR: QoS-Aware Multi-sink Opportunistic Routing for Wireless Multimedia Sensor Networks. <i>Wireless Personal Communications</i> , <b>2014</b> , 75, 1307-1330	1.9	20
67	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 1197-1208	6.4	7
66	Hybrid-genetic-algorithm-based resource allocation for slow adaptive OFDMA system under channel uncertainty. <i>Electronics Letters</i> , <b>2014</b> , 50, 30-32	1.1	6
65	On an optimization representation of decision-theoretic rough set model. <i>International Journal of Approximate Reasoning</i> , <b>2014</b> , 55, 156-166	3.6	101
64	Fast approximate . <i>Computational Statistics and Data Analysis</i> , <b>2014</b> , 77, 25-37	1.6	13
63	Local maximal margin discriminant embedding for face recognition. <i>Journal of Visual Communication and Image Representation</i> , <b>2014</b> , 25, 296-305	2.7	11
62	Feature extraction using local structure preserving discriminant analysis. <i>Neurocomputing</i> , <b>2014</b> , 140, 104-113	5.4	49
61	Discriminant similarity and variance preserving projection for feature extraction. <i>Neurocomputing</i> , <b>2014</b> , 139, 180-188	5.4	14
60	Exploiting Universum data in AdaBoost using gradient descent. <i>Image and Vision Computing</i> , <b>2014</b> , 32, 550-557	3.7	7
59	Exploiting Visual Saliency and Bag-of-Words for Road Sign Recognition. <i>IEICE Transactions on Information and Systems</i> , <b>2014</b> , E97.D, 2473-2482	0.6	1
58	A hierarchical framework approach for voice activity detection and speech enhancement. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 723643	2.2	5
57	Cooperative search and rescue with artificial fishes based on fish-swarm algorithm for underwater wireless sensor networks. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 145306	2.2	7

56	Proportional fairness resource allocation scheme based on quantised feedback for multiuser orthogonal frequency division multiplexing system. <i>IET Communications</i> , <b>2014</b> , 8, 2925-2932	1.3	5
55	Local structure based sparse representation for face recognition with single sample per person <b>2014</b> ,		7
54	Optimal Deployment and Scheduling with Directional Sensors for Energy-Efficient Barrier Coverage. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 596983	1.7	11
53	Pavement crack detection based on improved tensor voting <b>2014</b> ,		1
52	Incomplete Variable Multigranulation Rough Sets Decision. <i>Applied Mathematics and Information Sciences</i> , <b>2014</b> , 8, 1159-1166	2.4	5
51	Fast Single Image Super Resolution Reconstruction via Image Separation. <i>Journal of Networks</i> , <b>2014</b> , 9,		1
50	Asymptotic stability of bidirectional associative memory neural networks with time-varying delays via delta operator approach. <i>Neurocomputing</i> , <b>2013</b> , 117, 40-46	5.4	12
49	Priority-based IEEE 802.15.4 CSMA/CA mechanism for WSNs. <i>Journal of China Universities of Posts and Telecommunications</i> , <b>2013</b> , 20, 47-53		14
48	Approximate least trimmed sum of squares fitting and applications in image analysis. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 1836-47	8.7	21
47	Path tracking of unmanned vehicle based on parameters self-tuning fuzzy control <b>2013</b> ,		2
46	Minimum cost attribute reduction in decision-theoretic rough set models. <i>Information Sciences</i> , <b>2013</b> , 219, 151-167	7.7	169
45	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> , <b>2013</b> , 34, 974-85	3.5	53
44	Locality constrained representation based classification with spatial pyramid patches. <i>Neurocomputing</i> , <b>2013</b> , 101, 104-115	5.4	15
43	Improving protein-ATP binding residues prediction by boosting SVMs with random under-sampling. <i>Neurocomputing</i> , <b>2013</b> , 104, 180-190	5.4	47
42	Learning protein multi-view features in complex space. <i>Amino Acids</i> , <b>2013</b> , 44, 1365-79	3.5	18
41	WLBP: Weber local binary pattern for local image description. <i>Neurocomputing</i> , <b>2013</b> , 120, 325-335	5.4	48
40	Feature extraction using graph discriminant embedding <b>2013</b> ,		1
39	Pavement crack detection based on saliency and statistical features <b>2013</b> ,		23

38	Inductive Hashing on Manifolds <b>2013</b> ,			149
37	Optimal Multilevel Thresholding using Improved Gravitational Search Algorithm for Image Segmentation <b>2013</b> ,			1
36	Real-Time Head Pose Estimation by RGB-D Camera. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 698-707	0.9		
35	Supervised Kernel Self-Organizing Map. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 246-253		0.9	
34	Finding structural patterns in complex networks <b>2012</b> ,			1
33	A bat-like switched flying and adhesive robot <b>2012</b> ,			4
32	A new approach of formation navigation derived from multi-robots cooperative online FastSLAM. <i>Journal of Control Theory and Applications</i> , <b>2012</b> , 10, 451-457			1
31	Fast and Accurate Human Detection Using a Cascade of Boosted MS-LBP Features. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 676-679	3.2		21
30	Abnormal behavior recognition system for ATM monitoring by RGB-D camera <b>2012</b> ,			4
29	An Adaptive Opportunistic Network Coding Mechanism in Wireless Multimedia Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2012</b> , 8, 565604	1.7		9
28	Real time road sign detection based on rotational center voting and shape analysis <b>2012</b> ,			1
27	Enhancing membrane protein subcellular localization prediction by parallel fusion of multi-view features. <i>IEEE Transactions on Nanobioscience</i> , <b>2012</b> , 11, 375-85	3.4		23
26	Object Detection Based on Co-occurrence GMuLBP Features <b>2012</b> ,			3
25	Architecture Design for Intelligent Vehicle Computing Platform Based on Internet of Vehicles. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 253-255, 1423-1426	0.3		1
24	A Variable Multigranulation Rough Sets Approach. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 315-322	0.9		3
23	Nearest-neighbor classifier motivated marginal discriminant projections for face recognition. <i>Frontiers of Computer Science</i> , <b>2011</b> , 5, 419-428			7
22	Multi-EKF Localization Algorithm for Multi-Robots Formation Navigation. <i>Advanced Materials Research</i> , <b>2011</b> , 383-390, 5648-5655		0.5	
21	Kernel-based improved discriminant analysis and its application to face recognition. <i>Soft Computing</i> , <b>2010</b> , 14, 103-111	3.5		9



20	A modification of kernel discriminant analysis for high-dimensional data with application to face recognition. <i>Signal Processing</i> , <b>2010</b> , 90, 2423-2430	4.4	4
19	Modified particle filter-based infrared pedestrian tracking. <i>Infrared Physics and Technology</i> , <b>2010</b> , 53, 280-287	2.7	33
18	An Efficient Algorithm for Infrared Small Target Detection <b>2009</b> ,		2
17	A New Resampling Strategy about Particle Filter Algorithm Applied in Monte Carlo Framework <b>2009</b> ,		2
16	A study on speaker identification based on weighted LS-SVM. <i>Automatic Control and Computer Sciences</i> , <b>2009</b> , 43, 328-335	0.7	1
15	Infrared human tracking with improved mean shift algorithm based on multicue fusion. <i>Applied Optics</i> , <b>2009</b> , 48, 4201-12	0.2	8
14	Infrared dim target detection based on fractal dimension and third-order characterization. <i>Chinese Optics Letters</i> , <b>2009</b> , 7, 931-933	2.2	6
13	Calibration of medical x-ray apparatus with deformation. <i>Optical Engineering</i> , <b>2008</b> , 47, 126501	1.1	
12	Automatic image de-weathering using physical model and maximum entropy <b>2008</b> ,		3
11	A Visibility-Based Algorithm for Multi-Robot Boundary Coverage. <i>International Journal of Advanced Robotic Systems</i> , <b>2008</b> , 5, 7	1.4	5
10	Hierarchical initialization approach for K-Means clustering. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 787-795	4.7	47
9	Extensions of dominance-based rough set approach in incomplete information system. <i>Automatic Control and Computer Sciences</i> , <b>2008</b> , 42, 255-263	0.7	5
8	Ensemble Learning and Optimizing KNN Method for Speaker Recognition <b>2007</b> ,		2
7	Speaker identification using multi-step clustering algorithm with transformation-based GMM. <i>Automatic Control and Computer Sciences</i> , <b>2007</b> , 41, 224-231	0.7	3
6	Neural Network Ensemble Based on Vowel Classification for Chinese Speaker Recognition <b>2007</b> ,		2
5	Transformation-Based GMM with Improved Cluster Algorithm for Speaker Identification <b>2007</b> , 1006-1014		0
4	Path Planning for Nonholonomic Car-like Mobile Robots Using Genetic Algorithms <b>2006</b> ,		2
3	Split-and-merge segmentation using relation stable state <b>2001</b> , 4550, 302		

2 A theorem on the uncorrelated optimal discriminant vectors. *Pattern Recognition*, **2001**, 34, 2041-2047 7.7 75

1 One effective method for ship recognition in ship locks **1999**, 3720, 467

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