David Zhang, Dapeng

List of Publications by Year
in descending order

843 papers	**55,125** citations
1990 **101** h-index	1934 **207** g-index
897 all docs	**897** docs citations
897 times ranked	**35450** citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	FSIM: A Feature Similarity Index for Image Quality Assessment. IEEE Transactions on Image Processing, 2011, 20, 2378-2386.	6.0	3,728
3	Two-dimensional pca: a new approach to appearance-based face representation and recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 131-137.	9.7	2,896
4	A Completed Modeling of Local Binary Pattern Operator for Texture Classification. IEEE Transactions on Image Processing, 2010, 19, 1657-1663.	6.0	1,688
5	Online palmprint identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1041-1050.	9.7	1,222
6	A Survey of Sparse Representation: Algorithms and Applications. IEEE Access, 2015, 3, 490-530.	2.6	888
7	Progressive switching median filter for the removal of impulse noise from highly corrupted images. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1999, 46, 78-80.	2.3	743
8	KPCA plus LDA: a complete kernel Fisher discriminant framework for feature extraction and recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 230-244.	9.7	721
9	Rotation invariant texture classification using LBP variance (LBPV) with global matching. Pattern Recognition, 2010, 43, 706-719.	5.1	705
10	Fisher Discrimination Dictionary Learning for sparse representation. , 2011, , .		665
11	Two-stage image denoising by principal component analysis with local pixel grouping. Pattern Recognition, 2010, 43, 1531-1549.	5.1	580
12	Globally Maximizing, Locally Minimizing: Unsupervised Discriminant Projection with Applications to Face and Palm Biometrics. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 650-664.	9.7	469
13	A survey of palmprint recognition. Pattern Recognition, 2009, 42, 1408-1418.	5.1	468
14	A Two-Phase Test Sample Sparse Representation Method for Use With Face Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1255-1262.	5.6	444
15	Palmprint recognition using eigenpalms features. Pattern Recognition Letters, 2003, 24, 1463-1467.	2.6	430
16	Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classification. International Journal of Computer Vision, 2014, 109, 209-232.	10.9	425
17	Robust sparse coding for face recognition. , 2011, , .		413
18	Fast Visual Tracking via Dense Spatio-temporal Context Learning. Lecture Notes in Computer Science, 2014, , 127-141.	1.0	413

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19	A Level Set Approach to Image Segmentation With Intensity Inhomogeneity. IEEE Transactions on Cybernetics, 2016, 46, 546-557.	6.2	390
20	Palmprint verification based on robust line orientation code. Pattern Recognition, 2008, 41, 1504-1513.	5.1	389
21	Feature fusion: parallel strategy vs. serial strategy. Pattern Recognition, 2003, 36, 1369-1381.	5.1	380
22	Fisherpalms based palmprint recognition. Pattern Recognition Letters, 2003, 24, 2829-2838.	2.6	367
23	Feature selection and analysis on correlated gas sensor data with recursive feature elimination. Sensors and Actuators B: Chemical, 2015, 212, 353-363.	4.0	356
24	An Online System of Multispectral Palmprint Verification. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 480-490.	2.4	355
25	Interactive image segmentation by maximal similarity based region merging. Pattern Recognition, 2010, 43, 445-456.	5.1	349
26	Improved robust H2 and Hâˆž filtering for uncertain discrete-time systems. Automatica, 2004, 40, 873-880.	3.0	344
27	Two novel characteristics in palmprint verification: datum point invariance and line feature matching. Pattern Recognition, 1999, 32, 691-702.	5.1	338
28	Palmprint feature extraction using 2-D Gabor filters. Pattern Recognition, 2003, 36, 2339-2347.	5.1	320
29	Palmprint identification using feature-level fusion. Pattern Recognition, 2006, 39, 478-487.	5.1	315
30	A survey of graph theoretical approaches to image segmentation. Pattern Recognition, 2013, 46, 1020-1038.	5.1	306
31	Online finger-knuckle-print verification for personal authentication. Pattern Recognition, 2010, 43, 2560-2571.	5.1	303
32	Two-dimensional discriminant transform for face recognition. Pattern Recognition, 2005, 38, 1125-1129.	5.1	288
33	Palmprint verification based on principal lines. Pattern Recognition, 2008, 41, 1316-1328.	5.1	287
34	PALMPRINT IDENTIFICATION BY FOURIER TRANSFORM. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 417-432.	0.7	282
35	Domain Adaptation Extreme Learning Machines for Drift Compensation in E-Nose Systems. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1790-1801.	2.4	269
36	Joint Learning of Single-Image and Cross-Image Representations for Person Re-identification. , 2016, , .		260

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37	Metaface learning for sparse representation based face recognition. , 2010, , .		256
38	An analysis of BioHashing and its variants. Pattern Recognition, 2006, 39, 1359-1368.	5.1	251
39	Patch Group Based Nonlocal Self-Similarity Prior Learning for Image Denoising. , 2015, , .		251
40	Discriminative Transfer Subspace Learning via Low-Rank and Sparse Representation. IEEE Transactions on Image Processing, 2016, 25, 850-863.	6.0	246
41	Regularized Robust Coding for Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 1753-1766.	6.0	243
42	Palmprint verification using binary orientation co-occurrence vector. Pattern Recognition Letters, 2009, 30, 1219-1227.	2.6	235
43	A Generalized Iterated Shrinkage Algorithm for Non-convex Sparse Coding. , 2013, , .		233
44	Personal recognition using hand shape and texture. IEEE Transactions on Image Processing, 2006, 15, 2454-2461.	6.0	227
45	Learning Convolutional Networks for Content-Weighted Image Compression. , 2018, , .		227
46	LSDT: Latent Sparse Domain Transfer Learning for Visual Adaptation. IEEE Transactions on Image Processing, 2016, 25, 1177-1191.	6.0	221
47	Hierarchical palmprint identification via multiple feature extraction. Pattern Recognition, 2002, 35, 847-859.	5.1	217
48	Automated Biometrics. The Kluwer International Series on Asian Studies in Computer and Information Science, 2000, , .	0.7	208
49	A Face and Palmprint Recognition Approach Based on Discriminant DCT Feature Extraction. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 2405-2415.	5.5	206
50	Multi-channel Weighted Nuclear Norm Minimization for Real Color Image Denoising. , 2017, , .		194
51	A Comparative Study of Palmprint Recognition Algorithms. ACM Computing Surveys, 2012, 44, 1-37.	16.1	192
52	Characterization of Palmprints by Wavelet Signatures via Directional Context Modeling. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1335-1347.	5.5	187
53	Ensemble of local and global information for finger–knuckle-print recognition. Pattern Recognition, 2011, 44, 1990-1998.	5.1	185
54	Moving Vehicle Detection for Automatic Traffic Monitoring. IEEE Transactions on Vehicular Technology, 2007, 56, 51-59.	3.9	183

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55	ROBUST OBJECT TRACKING USING JOINT COLOR-TEXTURE HISTOGRAM. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 1245-1263.	0.7	179
56	Reinitialization-Free Level Set Evolution via Reaction Diffusion. IEEE Transactions on Image Processing, 2013, 22, 258-271.	6.0	179
57	Multilinear Sparse Principal Component Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1942-1950.	7.2	176
58	Local Linear Discriminant Analysis Framework Using Sample Neighbors. IEEE Transactions on Neural Networks, 2011, 22, 1119-1132.	4.8	174
59	DS-TransUNet: Dual Swin Transformer U-Net for Medical Image Segmentation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	173
60	Palmprint classification using principal lines. Pattern Recognition, 2004, 37, 1987-1998.	5.1	172
61	LPP solution schemes for use with face recognition. Pattern Recognition, 2010, 43, 4165-4176.	5.1	169
62	Face and palmprint pixel level fusion and Kernel DCV-RBF classifier for small sample biometric recognition. Pattern Recognition, 2007, 40, 3209-3224.	5.1	162
63	Computerized Tongue Diagnosis Based on Bayesian Networks. IEEE Transactions on Biomedical Engineering, 2004, 51, 1803-1810.	2.5	158
64	Essence of kernel Fisher discriminant: KPCA plus LDA. Pattern Recognition, 2004, 37, 2097-2100.	5.1	156
65	Double-orientation code and nonlinear matching scheme for palmprint recognition. Pattern Recognition, 2016, 49, 89-101.	5.1	154
66	Robust mean-shift tracking with corrected background-weighted histogram. IET Computer Vision, 2012, 6, 62.	1.3	153
67	A New Discriminative Sparse Representation Method for Robust Face Recognition via l_{2} Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2233-2242.	7.2	151
68	Approximate Orthogonal Sparse Embedding for Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 723-735.	7.2	150
69	A feature extraction method for use with bimodal biometrics. Pattern Recognition, 2010, 43, 1106-1115.	5.1	149
70	A Locality-Constrained and Label Embedding Dictionary Learning Algorithm for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 278-293.	7.2	149
71	Automatic Image Segmentation by Dynamic Region Merging. IEEE Transactions on Image Processing, 2011, 20, 3592-3605.	6.0	147
72	Rank Entropy-Based Decision Trees for Monotonic Classification. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 2052-2064.	4.0	147

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73	A Novel Breath Analysis System Based on Electronic Olfaction. IEEE Transactions on Biomedical Engineering, 2010, 57, 2753-2763.	2.5	146
74	Learning Domain-Invariant Subspace Using Domain Features and Independence Maximization. IEEE Transactions on Cybernetics, 2018, 48, 288-299.	6.2	146
75	Feature Extraction Methods for Palmprint Recognition: A Survey and Evaluation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 346-363.	5.9	143
76	Face recognition using FLDA with single training image per person. Applied Mathematics and Computation, 2008, 205, 726-734.	1.4	142
77	Robust Visual Knowledge Transfer via Extreme Learning Machine-Based Domain Adaptation. IEEE Transactions on Image Processing, 2016, 25, 4959-4973.	6.0	140
78	Personal authentication using multiple palmprint representation. Pattern Recognition, 2005, 38, 1695-1704.	5.1	138
79	A comprehensive evaluation of full reference image quality assessment algorithms. , 2012, , .		138
80	On the neural network approach in software reliability modeling. Journal of Systems and Software, 2001, 58, 47-62.	3.3	137
81	A Trilateral Weighted Sparse Coding Scheme for Real-World Image Denoising. Lecture Notes in Computer Science, 2018, , 21-38.	1.0	137
82	Palmprint Recognition Using 3-D Information. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 505-519.	3.3	136
83	Measuring relevance between discrete and continuous features based on neighborhood mutual information. Expert Systems With Applications, 2011, 38, 10737-10750.	4.4	135
84	Using the idea of the sparse representation to perform coarse-to-fine face recognition. Information Sciences, 2013, 238, 138-148.	4.0	133
85	PCA-Based Spatially Adaptive Denoising of CFA Images for Single-Sensor Digital Cameras. IEEE Transactions on Image Processing, 2009, 18, 797-812.	6.0	132
86	Low-Rank Preserving Projections. IEEE Transactions on Cybernetics, 2016, 46, 1900-1913.	6.2	131
87	Evolutionary Cost-Sensitive Extreme Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 3045-3060.	7.2	131
88	On Robust Fuzzy Rough Set Models. IEEE Transactions on Fuzzy Systems, 2012, 20, 636-651.	6.5	130
89	Gabor feature based robust representation and classification for face recognition with Gabor occlusion dictionary. Pattern Recognition, 2013, 46, 1865-1878.	5.1	129
90	Automated personal identification by palmprint. Optical Engineering, 1998, 37, 2359.	0.5	126

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91	Finger-knuckle-print: A new biometric identifier. , 2009, , .		126
92	Directional binary code with application to PolyU near-infrared face database. Pattern Recognition Letters, 2010, 31, 2337-2344.	2.6	120
93	Image Set-Based Collaborative Representation for Face Recognition. IEEE Transactions on Information Forensics and Security, 2014, 9, 1120-1132.	4.5	120
94	Studies on Hyperspectral Face Recognition in Visible Spectrum With Feature Band Selection. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 1354-1361.	3.4	117
95	The bi-elliptical deformable contour and its application to automated tongue segmentation in Chinese medicine. IEEE Transactions on Medical Imaging, 2005, 24, 946-956.	5.4	115
96	A Survey of Dictionary Learning Algorithms for Face Recognition. IEEE Access, 2017, 5, 8502-8514.	2.6	115
97	Best neighborhood matching: an information loss restoration technique for block-based image coding systems. IEEE Transactions on Image Processing, 1998, 7, 1056-1061.	6.0	114
98	Wrist pulse signal diagnosis using modified Gaussian models and Fuzzy C-Means classification. Medical Engineering and Physics, 2009, 31, 1283-1289.	0.8	113
99	DRPL: Deep Regression Pair Learning for Multi-Focus Image Fusion. IEEE Transactions on Image Processing, 2020, 29, 4816-4831.	6.0	112
100	A method for speeding up feature extraction based on KPCA. Neurocomputing, 2007, 70, 1056-1061.	3.5	111
101	Online joint palmprint and palmvein verification. Expert Systems With Applications, 2011, 38, 2621-2631.	4.4	111
102	Wavelet-Based Cascaded Adaptive Filter for Removing Baseline Drift in Pulse Waveforms. IEEE Transactions on Biomedical Engineering, 2005, 52, 1973-1975.	2.5	110
103	Sparse tensor discriminant analysis. IEEE Transactions on Image Processing, 2013, 22, 3904-3915.	6.0	110
104	Design of a Breath Analysis System for Diabetes Screening and Blood Glucose Level Prediction. IEEE Transactions on Biomedical Engineering, 2014, 61, 2787-2795.	2.5	110
105	On Hierarchical Palmprint Coding With Multiple Features for Personal Identification in Large Databases. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 234-243.	5.6	107
106	BDPCA plus LDA: a novel fast feature extraction technique for face recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 946-953.	5.5	107
107	Phase congruency induced local features for finger-knuckle-print recognition. Pattern Recognition, 2012, 45, 2522-2531.	5.1	107
108	Integrating Conventional and Inverse Representation for Face Recognition. IEEE Transactions on Cybernetics, 2014, 44, 1738-1746.	6.2	107

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109	Sparse, collaborative, or nonnegative representation: Which helps pattern classification?. Pattern Recognition, 2019, 88, 679-688.	5.1	106
110	A fast kernel-based nonlinear discriminant analysis for multi-class problems. Pattern Recognition, 2006, 39, 1026-1033.	5.1	105
111	External Prior Guided Internal Prior Learning for Real-World Noisy Image Denoising. IEEE Transactions on Image Processing, 2018, 27, 2996-3010.	6.0	105
112	Discriminative and Robust Competitive Code for Palmprint Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 232-241.	5.9	105
113	Vessel segmentation and width estimation in retinal images using multiscale production of matched filter responses. Expert Systems With Applications, 2012, 39, 7600-7610.	4.4	104
114	Scale and orientation adaptive mean shift tracking. IET Computer Vision, 2012, 6, 52.	1.3	104
115	Robust Kernel Representation With Statistical Local Features for Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 900-912.	7.2	103
116	A Reorganized Innovation Approach to Linear Estimation. IEEE Transactions on Automatic Control, 2004, 49, 1810-1814.	3.6	102
117	An Optimized Tongue Image Color Correction Scheme. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1355-1364.	3.6	102
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119	High resolution partial fingerprint alignment using pore–valley descriptors. Pattern Recognition, 2010, 43, 1050-1061.	5.1	100
120	Adaptive fingerprint pore modeling and extraction. Pattern Recognition, 2010, 43, 2833-2844.	5.1	100
121	Gradient Histogram Estimation and Preservation for Texture Enhanced Image Denoising. IEEE Transactions on Image Processing, 2014, 23, 2459-2472.	6.0	99
122	Bidirectional PCA with assembled matrix distance metric for image recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 863-872.	5.5	98
123	An approach for directly extracting features from matrix data and its application in face recognition. Neurocomputing, 2008, 71, 1857-1865.	3.5	98
124	Kernel ICA: An alternative formulation and its application to face recognition. Pattern Recognition, 2005, 38, 1784-1787.	5.1	97
125	A Unified Framework for Contactless Hand Verification. IEEE Transactions on Information Forensics and Security, 2011, 6, 1014-1027.	4.5	97
126	Joint discriminative dimensionality reduction and dictionary learning for face recognition. Pattern Recognition, 2013, 46, 2134-2143.	5.1	97

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127	From Point to Set: Extend the Learning of Distance Metrics. , 2013, , .		97
128	Robust palmprint verification using 2D and 3D features. Pattern Recognition, 2010, 43, 358-368.	5.1	95
129	Human Gait Recognition via Sparse Discriminant Projection Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1651-1662.	5.6	95
130	Monogenic Binary Coding: An Efficient Local Feature Extraction Approach to Face Recognition. IEEE Transactions on Information Forensics and Security, 2012, 7, 1738-1751.	4.5	93
131	Facial expression recognition on multiple manifolds. Pattern Recognition, 2011, 44, 107-116.	5.1	92
132	Quantitative analysis of human facial beauty using geometric features. Pattern Recognition, 2011, 44, 940-950.	5.1	91
133	Baseline wander correction in pulse waveforms using wavelet-based cascaded adaptive filter. Computers in Biology and Medicine, 2007, 37, 716-731.	3.9	90
134	Human gait recognition by the fusion of motion and static spatio-temporal templates. Pattern Recognition, 2007, 40, 2563-2573.	5.1	90
135	Secure program execution via dynamic information flow tracking. ACM SIGPLAN Notices, 2004, 39, 85-96.	0.2	89
136	A study of identical twins' palmprints for personal verification. Pattern Recognition, 2006, 39, 2149-2156.	5.1	89
137	Finger-Knuckle-Print Verification Based on Band-Limited Phase-Only Correlation. Lecture Notes in Computer Science, 2009, , 141-148.	1.0	89
138	Hierarchical multiscale LBP for face and palmprint recognition. , 2010, , .		89
139	Rotational Invariant Dimensionality Reduction Algorithms. IEEE Transactions on Cybernetics, 2017, 47, 3733-3746.	6.2	89
140	Feature Selection for Monotonic Classification. IEEE Transactions on Fuzzy Systems, 2012, 20, 69-81.	6.5	88
141	Classification of hyperspectral medical tongue images for tongue diagnosis. Computerized Medical Imaging and Graphics, 2007, 31, 672-678.	3.5	87
142	Statistical Analysis of Tongue Images for Feature Extraction and Diagnostics. IEEE Transactions on Image Processing, 2013, 22, 5336-5347.	6.0	87
143	Detecting Diabetes Mellitus and Nonproliferative Diabetic Retinopathy Using Tongue Color, Texture, and Geometry Features. IEEE Transactions on Biomedical Engineering, 2014, 61, 491-501.	2.5	87
144	A Kernel Classification Framework for Metric Learning. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1950-1962.	7.2	87

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145	Tongue image analysis for appendicitis diagnosis. Information Sciences, 2005, 175, 160-176.	4.0	86
146	Three measures for secure palmprint identification. Pattern Recognition, 2008, 41, 1329-1337.	5.1	86
147	Integrate the original face image and its mirror image for face recognition. Neurocomputing, 2014, 131, 191-199.	3.5	84
148	Coarse iris classification using box-counting to estimate fractal dimensions. Pattern Recognition, 2005, 38, 1791-1798.	5.1	83
149	Half-orientation extraction of palmprint features. Pattern Recognition Letters, 2016, 69, 35-41.	2.6	83
150	A Hybrid l1-l0 Layer Decomposition Model for Tone Mapping. , 2018, , .		83
151	Multi-Label Dictionary Learning for Image Annotation. IEEE Transactions on Image Processing, 2016, 25, 2712-2725.	6.0	82
152	Manifold Criterion Guided Transfer Learning via Intermediate Domain Generation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3759-3773.	7.2	82
153	Designing and training of a dual CNN for image denoising. Knowledge-Based Systems, 2021, 226, 106949.	4.0	82
154	Learning Iteration-wise Generalized Shrinkage-Thresholding Operators for Blind Deconvolution. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	81
155	A Modified Matched Filter With Double-Sided Thresholding for Screening Proliferative Diabetic Retinopathy. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 528-534.	3.6	80
156	On kernel difference-weighted k-nearest neighbor classification. Pattern Analysis and Applications, 2008, 11, 247-257.	3.1	79
157	Relaxed collaborative representation for pattern classification. , 2012, , .		79
158	F-SVM: Combination of Feature Transformation and SVM Learning via Convex Relaxation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5185-5199.	7.2	79
159	Guide Subspace Learning for Unsupervised Domain Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3374-3388.	7.2	79
160	Face recognition based on 2D Fisherface approach. Pattern Recognition, 2006, 39, 707-710.	5.1	78
161	Selecting a Reference High Resolution for Fingerprint Recognition Using Minutiae and Pores. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 863-871.	2.4	78
162	Distinguishing Nested Variants of Urothelial Carcinoma From Benign Mimickers by TERT Promoter Mutation. American Journal of Surgical Pathology, 2015, 39, 127-131.	2.1	78

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163	Label Co-Occurrence Learning With Graph Convolutional Networks for Multi-Label Chest X-Ray Image Classification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2292-2302.	3.9	76
164	An innovation approach to H$infin; prediction for continuous-time systems with application to systems with delayed measurements*1. Automatica, 2004, 40, 1253-1261.	3.0	75
165	Orientation selection using modified FCM for competitive code-based palmprint recognition. Pattern Recognition, 2009, 42, 2841-2849.	5.1	75
166	Non-invasive blood glucose monitoring for diabetics by means of breath signal analysis. Sensors and Actuators B: Chemical, 2012, 173, 106-113.	4.0	75
167	Computerized Wrist Pulse Signal Diagnosis Using Modified Auto-Regressive Models. Journal of Medical Systems, 2011, 35, 321-328.	2.2	74
168	Texture Enhanced Image Denoising via Gradient Histogram Preservation. , 2013, , .		74
169	Combining Left and Right Palmprint Images for More Accurate Personal Identification. IEEE Transactions on Image Processing, 2015, 24, 549-559.	6.0	74
170	Automated tongue segmentation in hyperspectral images for medicine. Applied Optics, 2007, 46, 8328.	2.1	73
171	Texture-based palmprint retrieval using a layered search scheme for personal identification. IEEE Transactions on Multimedia, 2005, 7, 891-898.	5.2	72
172	Detecting Wide Lines Using Isotropic Nonlinear Filtering. IEEE Transactions on Image Processing, 2007, 16, 1584-1595.	6.0	72
173	Contactless and Pose Invariant Biometric Identification Using Hand Surface. IEEE Transactions on Image Processing, 2011, 20, 1415-1424.	6.0	72
174	Calibration transfer and drift compensation of e-noses via coupled task learning. Sensors and Actuators B: Chemical, 2016, 225, 288-297.	4.0	72
175	A combination model for orientation field of fingerprints. Pattern Recognition, 2004, 37, 543-553.	5.1	70
176	Robust Discriminant Regression for Feature Extraction. IEEE Transactions on Cybernetics, 2018, 48, 2472-2484.	6.2	70
177	Restoration of impulse noise corrupted images using long-range correlation. IEEE Signal Processing Letters, 1998, 5, 4-7.	2.1	69
178	Tongue shape classification by geometric features. Information Sciences, 2010, 180, 312-324.	4.0	69
179	The multiscale competitive code via sparse representation for palmprint verification. , 2010, , .		69
180	Feature Band Selection for Online Multispectral Palmprint Recognition. IEEE Transactions on Information Forensics and Security, 2012, 7, 1094-1099.	4.5	69

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181	Detecting Eyelash and Reflection for Accurate Iris Segmentation. International Journal of Pattern Recognition and Artificial Intelligence, 2003, 17, 1025-1034.	0.7	68
182	A New Framework for Adaptive Multimodal Biometrics Management. IEEE Transactions on Information Forensics and Security, 2010, 5, 92-102.	4.5	68
183	Image information restoration based on long-range correlation. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 331-341.	5.6	66
184	A Multiple Maximum Scatter Difference Discriminant Criterion for Facial Feature Extraction. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1599-1606.	5.5	65
185	The relative distance of key point based iris recognition. Pattern Recognition, 2007, 40, 423-430.	5.1	64
186	Image segmentation by iterated region merging with localized graph cuts. Pattern Recognition, 2011, 44, 2527-2538.	5.1	64
187	Study on novel Curvature Features for 3D fingerprint recognition. Neurocomputing, 2015, 168, 599-608.	3.5	64
188	Feature-Level Fusion for Effective Palmprint Authentication. Lecture Notes in Computer Science, 2004, , 761-767.	1.0	63
189	Represent and fuse bimodal biometric images at the feature level: complex-matrix-based fusion scheme. Optical Engineering, 2010, 49, 037002.	0.5	63
190	On the Dimensionality Reduction for Sparse Representation Based Face Recognition. , 2010, , .		63
191	A robust signal preprocessing framework for wrist pulse analysis. Biomedical Signal Processing and Control, 2016, 23, 62-75.	3.5	63
192	Generative multi-view and multi-feature learning for classification. Information Fusion, 2019, 45, 215-226.	11.7	63
193	Correcting Instrumental Variation and Time-Varying Drift: A Transfer Learning Approach With Autoencoders. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2012-2022.	2.4	62
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195	A Fourier–LDA approach for image recognition. Pattern Recognition, 2005, 38, 453-457.	5.1	61
196	An alternative formulation of kernel LPP with application to image recognition. Neurocomputing, 2006, 69, 1733-1738.	3.5	60
197	Object separation by polarimetric and spectral imagery fusion. Computer Vision and Image Understanding, 2009, 113, 855-866.	3.0	60
198	Reconstruction and analysis of multi-pose face images based on nonlinear dimensionality reduction. Pattern Recognition, 2004, 37, 325-336.	5.1	59

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200	Automatic tongue image segmentation based on gradient vector flow and region merging. Neural Computing and Applications, 2012, 21, 1819-1826.	3.2	58
201	Wrist blood flow signal-based computerized pulse diagnosis using spatial and spectrum features. Journal of Biomedical Science and Engineering, 2010, 03, 361-366.	0.2	58
202	From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. Pattern Recognition, 2011, 44, 1387-1402.	5.1	57
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