

Bob Zhang

List of Publications by Year in descending order

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180
papers

5,026
citations

109321
35
h-index

114465
63
g-index

187
all docs

187
docs citations

187
times ranked

3520
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Efficient Palmprint Feature Extraction by Learning a Single-Layer Convolution Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9783-9794.	11.3	6
2	A robust newton iterative algorithm for acoustic location based on solving linear matrix equations in the presence of various noises. Applied Intelligence, 2023, 53, 1219-1232.	5.3	2
3	Flexible and Generalized Real Photograph Denoising Exploiting Dual Meta Attention. IEEE Transactions on Cybernetics, 2023, 53, 6395-6407.	9.5	9
4	Two novel style-transfer palmprint reconstruction attacks. Applied Intelligence, 2023, 53, 6354-6371.	5.3	3
5	Application of improved virtual sample and sparse representation in face recognition. CAAI Transactions on Intelligence Technology, 2023, 8, 1391-1402.	8.1	5
6	Regularization on Augmented Data to Diversify Sparse Representation for Robust Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 4935-4948.	9.5	19
7	Joint Constrained Least-Square Regression With Deep Convolutional Feature for Palmprint Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 511-522.	9.3	32
8	Towards Fast and Robust Real Image Denoising With Attentive Neural Network and PID Controller. IEEE Transactions on Multimedia, 2022, 24, 2366-2377.	7.2	21
9	Jointly Heterogeneous Palmprint Discriminant Feature Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4979-4990.	11.3	18
10	PID Controller-Guided Attention Neural Network Learning for Fast and Effective Real Photographs Denoising. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3010-3023.	11.3	21
11	Deformable Template Network (DTN) for Object Detection. IEEE Transactions on Multimedia, 2022, 24, 2058-2068.	7.2	18
12	Low-rank inter-class sparsity based semi-flexible target least squares regression for feature representation. Pattern Recognition, 2022, 123, 108346.	8.1	16
13	Joint Discriminative Latent Subspace Learning for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4653-4666.	8.3	5
14	Convergence and robustness of bounded recurrent neural networks for solving dynamic Lyapunov equations. Information Sciences, 2022, 588, 106-123.	6.9	23
15	Meta-Pixel-Driven Embeddable Discriminative Target and Background Dictionary Pair Learning for Hyperspectral Target Detection. Remote Sensing, 2022, 14, 481.	4.0	11
16	Innovative Contactless Palmprint Recognition System Based on Dual-Camera Alignment. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6464-6476.	9.3	9
17	Meta PID Attention Network for Flexible and Efficient Real-World Noisy Image Denoising. IEEE Transactions on Image Processing, 2022, 31, 2053-2066.	9.8	18
18	Renal Cancer Detection: Fusing Deep and Texture Features from Histopathology Images. BioMed Research International, 2022, 2022, 1-17.	1.9	1

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19	Double-cohesion learning based multiview and discriminant palmprint recognition. Information Fusion, 2022, 83-84, 96-109.	19.1	20
20	Sentiment Analysis of Review Data Using Blockchain and LSTM to Improve Regulation for a Sustainable Market. Journal of Theoretical and Applied Electronic Commerce Research, 2022, 17, 1-19.	5.7	9
21	Learning Compact Multirepresentation Feature Descriptor for Finger-Vein Recognition. IEEE Transactions on Information Forensics and Security, 2022, 17, 1946-1958.	6.9	12
22	Multi-Branch-CNN: Classification of ion channel interacting peptides using multi-branch convolutional neural network. Computers in Biology and Medicine, 2022, 147, 105717.	7.0	10
23	Locality preserving projection with symmetric graph embedding for unsupervised dimensionality reduction. Pattern Recognition, 2022, 131, 108844.	8.1	22
24	Harmonization Shared Autoencoder Gaussian Process Latent Variable Model With Relaxed Hamming Distance. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5093-5107.	11.3	2
25	Coarse-to-Fine CNN for Image Super-Resolution. IEEE Transactions on Multimedia, 2021, 23, 1489-1502.	7.2	122
26	Illuminance Compensation and Texture Enhancement via the Hodge Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 956-971.	8.3	0
27	Shared Linear Encoder-Based Multikernel Gaussian Process Latent Variable Model for Visual Classification. IEEE Transactions on Cybernetics, 2021, 51, 534-547.	9.5	13
28	Asymmetric Gaussian Process multi-view learning for visual classification. Information Fusion, 2021, 65, 108-118.	19.1	20
29	Adaptive Graph Completion Based Incomplete Multi-View Clustering. IEEE Transactions on Multimedia, 2021, 23, 2493-2504.	7.2	87
30	DsNet: Dual stack network for detecting diabetes mellitus and chronic kidney disease. Information Sciences, 2021, 547, 945-962.	6.9	15
31	Joint discriminative feature learning for multimodal finger recognition. Pattern Recognition, 2021, 111, 107704.	8.1	32
32	Consensus guided incomplete multi-view spectral clustering. Neural Networks, 2021, 133, 207-219.	5.9	34
33	FVSR-Net: an end-to-end Finger Vein Image Scattering Removal Network. Multimedia Tools and Applications, 2021, 80, 10705-10722.	3.9	7
34	Local discriminant coding based convolutional feature representation for multimodal finger recognition. Information Sciences, 2021, 547, 1170-1181.	6.9	29
35	Learning Complete and Discriminative Direction Pattern for Robust Palmprint Recognition. IEEE Transactions on Image Processing, 2021, 30, 1001-1014.	9.8	23
36	An automatic multi-view disease detection system via Collective Deep Region-based Feature Representation. Future Generation Computer Systems, 2021, 115, 59-75.	7.5	10

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37	Learning Compact Multifeature Codes for Palmprint Recognition From a Single Training Image per Palm. IEEE Transactions on Multimedia, 2021, 23, 2930-2942.	7.2	37
38	Sparsity-Induced Graph Convolutional Network for Semisupervised Learning. IEEE Transactions on Artificial Intelligence, 2021, 2, 549-563.	4.7	5
39	Joint Discriminative Sparse Coding for Robust Hand-Based Multimodal Recognition. IEEE Transactions on Information Forensics and Security, 2021, 16, 3186-3198.	6.9	26
40	Subspace-level dictionary fusion for robust multimedia classification. Multimedia Tools and Applications, 2021, 80, 21885-21898.	3.9	0
41	Fast and Robust Dictionary-based Classification for Image Data. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-22.	3.5	5
42	An Adaptive Discriminant and Sparsity Feature Descriptor for Finger Vein Recognition. , 2021, , .		7
43	Computational Traditional Chinese Medicine diagnosis: A literature survey. Computers in Biology and Medicine, 2021, 133, 104358.	7.0	30
44	A Novel Method for Food Market Regulation by Emotional Tendencies Predictions from Food Reviews Based on Blockchain and SAEs. Foods, 2021, 10, 1398.	4.3	8
45	Jointly learning compact multi-view hash codes for few-shot FKP recognition. Pattern Recognition, 2021, 115, 107894.	8.1	11
46	Hierarchical Automatic COVID-19 Detection via CT Scan Images. , 2021, , .		0
47	Jointly learning multi-instance hand-based biometric descriptor. Information Sciences, 2021, 562, 1-12.	6.9	20
48	Noise Homogenization via Multi-Channel Wavelet Filtering for High-Fidelity Sample Generation in Gans. , 2021, , .		0
49	Multi-feature representation for burn depth classification via burn images. Artificial Intelligence in Medicine, 2021, 118, 102128.	6.5	2
50	Two-phase non-invasive multi-disease detection via sublingual region. Computers in Biology and Medicine, 2021, 137, 104782.	7.0	5
51	A survey on dorsal hand vein biometrics. Pattern Recognition, 2021, 120, 108122.	8.1	16
52	Jointly Learning Multiple Curvature Descriptor for 3D Palmprint Recognition. , 2021, , .		3
53	Graph Based Multichannel Feature Fusion for Wrist Pulse Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3732-3743.	6.3	25
54	Structural Deep Incomplete Multi-view Clustering Network. , 2021, , .		9

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55	Low Rank Based Discriminative Least Squares Regression with Sparse Autoencoder Processing for Image Classification. , 2021, , .		2
56	Sparse Supervised Representation-Based Classifier for Uncontrolled and Imbalanced Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2847-2856.	11.3	21
57	Local Discriminant Direction Binary Pattern for Palmprint Representation and Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 468-481.	8.3	62
58	Deep discriminative representation for generic palmprint recognition. Pattern Recognition, 2020, 98, 107071.	8.1	53
59	An improved solution for deformation simulation of nonorthotropic geometric models. Computer Animation and Virtual Worlds, 2020, 31, e1915.	1.2	2
60	Deep Cascade Model-Based Face Recognition: When Deep-Layered Learning Meets Small Data. IEEE Transactions on Image Processing, 2020, 29, 1016-1029.	9.8	49
61	Low-Rank Matrix Recovery via Modified Schatten- p Norm Minimization With Convergence Guarantees. IEEE Transactions on Image Processing, 2020, 29, 3132-3142.	9.8	39
62	Class-Specific Reconstruction Transfer Learning for Visual Recognition Across Domains. IEEE Transactions on Image Processing, 2020, 29, 2424-2438.	9.8	68
63	Relaxed Asymmetric Deep Hashing Learning: Point-to-Angle Matching. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4791-4805.	11.3	6
64	Two-stage knowledge transfer framework for image classification. Pattern Recognition, 2020, 107, 107529.	8.1	17
65	Automatic Epicardial Fat Segmentation and Quantification of CT Scans Using Dual U-Nets With a Morphological Processing Layer. IEEE Access, 2020, 8, 128032-128041.	4.2	19
66	Linear Representation-Based Methods for Image Classification: A Survey. IEEE Access, 2020, 8, 216645-216670.	4.2	7
67	Fracture Patterns Design for Anisotropic Models with the Material Point Method. Computer Graphics Forum, 2020, 39, 93-104.	3.0	2
68	Discriminant and Sparsity Based Least Squares Regression with l_1 Regularization for Feature Representation. , 2020, , .		11
69	Learning double weights via data augmentation for robust sparse and collaborative representation-based classification. Multimedia Tools and Applications, 2020, 79, 20617-20638.	3.9	7
70	Gaussian Pyramid of Conditional Generative Adversarial Network for Real-World Noisy Image Denoising. Neural Processing Letters, 2020, 51, 2669-2684.	3.2	8
71	DRPL: Deep Regression Pair Learning for Multi-Focus Image Fusion. IEEE Transactions on Image Processing, 2020, 29, 4816-4831.	9.8	112
72	Joint Multiview Feature Learning for Hand-Print Recognition. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9743-9755.	4.7	23

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73	Learning Structurally Incoherent Background and Target Dictionaries for Hyperspectral Target Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3521-3533.	4.9	21
74	Similarity and diversity induced paired projection for cross-modal retrieval. Information Sciences, 2020, 539, 215-228.	6.9	13
75	Image decomposition based matrix regression with applications to robust face recognition. Pattern Recognition, 2020, 102, 107204.	8.1	17
76	Feature Extraction for 3-D Palmprint Recognition: A Survey. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 645-656.	4.7	33
77	Tongue Image Alignment via Conformal Mapping for Disease Detection. IEEE Access, 2020, 8, 9796-9808.	4.2	11
78	Dual sparse learning via data augmentation for robust facial image classification. International Journal of Machine Learning and Cybernetics, 2020, 11, 1717-1734.	3.6	8
79	Learning Salient and Discriminative Descriptor for Palmprint Feature Extraction and Identification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5219-5230.	11.3	48
80	A Novel Visual Analysis Method of Food Safety Risk Traceability Based on Blockchain. International Journal of Environmental Research and Public Health, 2020, 17, 2300.	2.6	42
81	A Noninvasive Method to Detect Diabetes Mellitus and Lung Cancer Using the Stacked Sparse autoencoder. , 2020, , .		9
82	A Progressive Stack Face-based Network for Detecting Diabetes Mellitus and Breast Cancer. , 2020, , .		1
83	DIMC-net: Deep Incomplete Multi-view Clustering Network. , 2020, , .		38
84	Visual Classification With Multikernel Shared Gaussian Process Latent Variable Model. IEEE Transactions on Cybernetics, 2019, 49, 2886-2899.	9.5	4
85	Discriminative Local Feature for Hyperspectral Hand Biometrics by Adjusting Image Acutance. Applied Sciences (Switzerland), 2019, 9, 4178.	2.5	7
86	Unified Embedding Alignment with Missing Views Inferring for Incomplete Multi-View Clustering. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5393-5400.	4.9	103
87	Super Sparse Convolutional Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4440-4447.	4.9	42
88	Dual Asymmetric Deep Hashing Learning. IEEE Access, 2019, 7, 113372-113384.	4.2	14
89	TongueNet: A Precise and Fast Tongue Segmentation System Using U-Net with a Morphological Processing Layer. Applied Sciences (Switzerland), 2019, 9, 3128.	2.5	33
90	Robust joint representation with triple local feature for face recognition with single sample per person. Knowledge-Based Systems, 2019, 181, 104790.	7.1	12

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91	Triple-translation GAN with multi-layer sparse representation for face image synthesis. Neurocomputing, 2019, 358, 294-308.	5.9	20
92	Collaborative Representation Using Non-Negative Samples for Image Classification. Sensors, 2019, 19, 2609.	3.8	10
93	A Novel Hyperspectral Based Dorsal Hand Recognition System. , 2019, , .		3
94	Learning Discriminative Finger-knuckle-print Descriptor. , 2019, , .		7
95	Multi-View Classification via a Fast and Effective Multi-View Nearest-Subspace Classifier. IEEE Access, 2019, 7, 49669-49679.	4.2	11
96	Efficient Recovery of Low-Rank Matrix via Double Nonconvex Nonsmooth Rank Minimization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2916-2925.	11.3	35
97	Joint deep convolutional feature representation for hyperspectral palmprint recognition. Information Sciences, 2019, 489, 167-181.	6.9	49
98	Learning Discriminant Direction Binary Palmprint Descriptor. IEEE Transactions on Image Processing, 2019, 28, 3808-3820.	9.8	73
99	Applying L-SRC for Non-invasive Disease Detection Using Facial Chromaticity and Texture Features. , 2019, , .		0
100	Robust and adaptive ROI extraction for hyperspectral dorsal hand vein images. IET Computer Vision, 2019, 13, 595-604.	2.0	6
101	A shell dataset, for shell features extraction and recognition. Scientific Data, 2019, 6, 226.	5.3	5
102	Similarity Learning-Induced Symmetric Nonnegative Matrix Factorization for Image Clustering. IEEE Access, 2019, 7, 166380-166389.	4.2	7
103	Local apparent and latent direction extraction for palmprint recognition. Information Sciences, 2019, 473, 59-72.	6.9	66
104	Body surface feature-based multi-modal Learning for Diabetes Mellitus detection. Information Sciences, 2019, 472, 1-14.	6.9	21
105	Precision direction and compact surface type representation for 3D palmprint identification. Pattern Recognition, 2019, 87, 237-247.	8.1	15
106	A general moving detection method using dual-target nonparametric background model. Knowledge-Based Systems, 2019, 164, 85-95.	7.1	16
107	Generative multi-view and multi-feature learning for classification. Information Fusion, 2019, 45, 215-226.	19.1	63
108	Robust collaborative representation-based classification via regularization of truncated total least squares. Neural Computing and Applications, 2019, 31, 5689-5697.	5.6	13

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109	Initial investigation of different classifiers for plant leaf classification using multiple features. , 2019, , .		4
110	Robust and adaptive algorithm for hyperspectral palmprint region of interest extraction. IET Biometrics, 2019, 8, 391-400.	2.5	9
111	A novel fusion strategy for probabilistic sparse representation classifier guided by support vector machines. , 2019, , .		0
112	Adaptive weighted nonnegative low-rank representation. Pattern Recognition, 2018, 81, 326-340.	8.1	88
113	Facial beauty analysis based on features prediction and beautification models. Pattern Analysis and Applications, 2018, 21, 529-542.	4.6	5
114	Multi-Feature Fusion Using Collaborative Residual for Hyperspectral Palmprint Recognition. , 2018, , .		3
115	Non-Invasive Multi-Disease Classification via Facial Image Analysis Using a Convolutional Neural Network. , 2018, , .		1
116	Computer-Assisted Non-Invasive Diabetes Mellitus Detection System via Facial Key Block Analysis. , 2018, , .		1
117	A Novel Regularized Nonnegative Matrix Factorization for Spectral-Spatial Dimension Reduction of Hyperspectral Imagery. IEEE Access, 2018, 6, 77953-77964.	4.2	5
118	A novel Color Rendition Chart for digital tongue image calibration. Color Research and Application, 2018, 43, 749-759.	1.6	11
119	Nonparametric Bayesian Correlated Group Regression With Applications to Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5330-5344.	11.3	12
120	An improved noninvasive method to detect Diabetes Mellitus using the Probabilistic Collaborative Representation based Classifier. Information Sciences, 2018, 467, 477-488.	6.9	20
121	Robust Constrained Concept Factorization. Studies in Computational Intelligence, 2018, , 207-225.	0.9	2
122	Shared Autoencoder Gaussian Process Latent Variable Model for Visual Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4272-4286.	11.3	24
123	Shared Linear Encoder-based Gaussian Process Latent Variable Model for Visual Classification. , 2018, , .		5
124	Guided Learning: A New Paradigm for Multi-task Classification. Lecture Notes in Computer Science, 2018, , 239-246.	1.3	2
125	An extensive analysis of various texture feature extractors to detect Diabetes Mellitus using facial specific regions. Computers in Biology and Medicine, 2017, 83, 69-83.	7.0	22
126	Weighted sparse coding regularized nonconvex matrix regression for robust face recognition. Information Sciences, 2017, 394-395, 1-17.	6.9	27

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127	Detecting Diabetes Mellitus and Nonproliferative Diabetic Retinopathy Using CTD. , 2017, , 303-325.		5
128	Improving texture analysis performance in biometrics by adjusting image sharpness. Pattern Recognition, 2017, 66, 16-25.	8.1	12
129	Palmprint Recognition Based on Complete Direction Representation. IEEE Transactions on Image Processing, 2017, 26, 4483-4498.	9.8	115
130	Tongue Pattern Recognition to Detect Diabetes Mellitus and Non-Proliferative Diabetic Retinopathy. , 2017, , 663-686.		1
131	Joint discriminative and collaborative representation for fatty liver disease diagnosis. Expert Systems With Applications, 2017, 89, 31-40.	7.6	36
132	Robust semi-supervised concept factorization. , 2017, , .		1
133	A novel regularized concept factorization for document clustering. Knowledge-Based Systems, 2017, 135, 147-158.	7.1	25
134	Ensemble correlation-based low-rank matrix completion with applications to traffic data imputation. Knowledge-Based Systems, 2017, 132, 249-262.	7.1	55
135	An Adaptive Background Modeling Method for Foreground Segmentation. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1109-1121.	8.0	53
136	Sample diversity, representation effectiveness and robust dictionary learning for face recognition. Information Sciences, 2017, 375, 171-182.	6.9	64
137	Joint similar and specific learning for diabetes mellitus and impaired glucose regulation detection. Information Sciences, 2017, 384, 191-204.	6.9	43
138	Joint distances by sparse representation and locality-constrained dictionary learning for robust leaf recognition. Computers and Electronics in Agriculture, 2017, 142, 563-571.	7.7	12
139	Effective Heart Disease Detection Based on Quantitative Computerized Traditional Chinese Medicine Using Representation Based Classifiers. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-10.	1.2	10
140	Novel Noninvasive Brain Disease Detection System Using a Facial Image Sensor. Sensors, 2017, 17, 2843.	3.8	13
141	Computerized analysis of tongue sub-lingual veins to detect lung and breast cancers. , 2017, , .		2
142	Statistical Analysis of Tongue Color and Its Applications in Diagnosis. , 2017, , 225-250.		0
143	A study of diabetes mellitus detection using sparse representation algorithms with facial block color features. , 2016, , .		1
144	Digital tongue image analysis in medical applications using a new tongue ColorChecker. , 2016, , .		4

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145	Facial color feature extraction for disease diagnosis using non-base colors. , 2016, , .		1
146	Tree-Structured Nuclear Norm Approximation With Applications to Robust Face Recognition. IEEE Transactions on Image Processing, 2016, 25, 5757-5767.	9.8	15
147	Low-rank representation integrated with principal line distance for contactless palmprint recognition. Neurocomputing, 2016, 218, 264-275.	5.9	40
148	Palmprint Recognition Using Neighboring Direction Indicator. IEEE Transactions on Human-Machine Systems, 2016, 46, 787-798.	3.5	54
149	Tensor Manifold Discriminant Projections for Acceleration-Based Human Activity Recognition. IEEE Transactions on Multimedia, 2016, 18, 1977-1987.	7.2	24
150	Using K-NN with weights to detect diabetes mellitus based on genetic algorithm feature selection. , 2016, , .		4
151	Local line directional pattern for palmprint recognition. Pattern Recognition, 2016, 50, 26-44.	8.1	182
152	Online 3D Ear Recognition by Combining Global and Local Features. PLoS ONE, 2016, 11, e0166204.	2.5	8
153	A Performance Evaluation of Local Descriptors, Direction Coding and Correlation Filters for Palm Vein Recognition. Lecture Notes in Computer Science, 2016, , 279-287.	1.3	0
154	Significant Geometry Features in Tongue Image Analysis. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-8.	1.2	29
155	Facial color analysis of Overweight-Obesity and its relationship to Healthy and Diabetes Mellitus using statistical pattern recognition. , 2015, , .		0
156	Non-invasive Health Status Detection System Using Gabor Filters Based on Facial Block Texture Features. Journal of Medical Systems, 2015, 39, 227.	3.6	7
157	Simplified and Improved Patch Ordering for Diabetes Mellitus detection. , 2015, , .		3
158	Multiple representations and sparse representation for image classification. Pattern Recognition Letters, 2015, 68, 9-14.	4.2	78
159	Ear-parotic face angle: A unique feature for 3D ear recognition. Pattern Recognition Letters, 2015, 53, 9-15.	4.2	28
160	Disease Detection Using Tongue Geometry Features with Sparse Representation Classifier. , 2014, , .		6
161	Diabetes Mellitus Detection Based on Facial Block Texture Features Using the Gabor Filter. , 2014, , .		5
162	Detecting Diabetes Mellitus and Nonproliferative Diabetic Retinopathy Using Tongue Color, Texture, and Geometry Features. IEEE Transactions on Biomedical Engineering, 2014, 61, 491-501.	4.2	87

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163	Noninvasive Diabetes Mellitus Detection Using Facial Block Color With a Sparse Representation Classifier. IEEE Transactions on Biomedical Engineering, 2014, 61, 1027-1033.	4.2	57
164	Statistical Analysis of Tongue Images for Feature Extraction and Diagnostics. IEEE Transactions on Image Processing, 2013, 22, 5336-5347.	9.8	87
165	Facial image medical analysis system using quantitative chromatic feature. Expert Systems With Applications, 2013, 40, 3738-3746.	7.6	23
166	Computerized facial diagnosis using both color and texture features. Information Sciences, 2013, 221, 49-59.	6.9	18
167	Palm-Print Classification by Global Features. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 370-378.	9.3	36
168	Tongue Color Analysis for Medical Application. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-11.	1.2	34
169	Detecting Optic Disc on Asians by Multiscale Gaussian Filtering. International Journal of Biomedical Imaging, 2012, 2012, 1-10.	3.9	3
170	Principal Line-Based Alignment Refinement for Palmprint Recognition. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1491-1499.	2.9	29
171	Sparse Representation Classifier for microaneurysm detection and retinal blood vessel extraction. Information Sciences, 2012, 200, 78-90.	6.9	74
172	Retinopathy Online Challenge: Automatic Detection of Microaneurysms in Digital Color Fundus Photographs. IEEE Transactions on Medical Imaging, 2010, 29, 185-195.	8.9	414
173	Detection of microaneurysms using multi-scale correlation coefficients. Pattern Recognition, 2010, 43, 2237-2248.	8.1	197
174	Retinal vessel extraction by matched filter with first-order derivative of Gaussian. Computers in Biology and Medicine, 2010, 40, 438-445.	7.0	444
175	Optic disc and fovea detection via multi-scale matched filters and a vessels' directional matched filter. , 2010, , .		8
176	Microaneurysm (MA) Detection via Sparse Representation Classifier with MA and Non-MA Dictionary Learning. , 2010, , .		8
177	Optic Disc Detection by Multi-scale Gaussian Filtering with Scale Production and a Vessels's™ Directional Matched Filter. Lecture Notes in Computer Science, 2010, , 173-180.	1.3	8
178	Retinal Vessel Centerline Extraction Using Multiscale Matched Filter and Sparse Representation-Based Classifier. Lecture Notes in Computer Science, 2010, , 181-190.	1.3	2
179	Hierarchical detection of red lesions in retinal images by multiscale correlation filtering. Proceedings of SPIE, 2009, , .	0.8	17
180	Kernel nonnegative representation-based classifier. Applied Intelligence, 0, , 1.	5.3	3