

Kebin Wu

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

7,410
citations

71061

41
h-index

53190

85
g-index

93
all docs

93
docs citations

93
times ranked

4269
citing authors

#	ARTICLE	IF	CITATIONS
1	Online palmprint identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1041-1050.	9.7	1,222
2	Palmprint recognition using eigenpalms features. Pattern Recognition Letters, 2003, 24, 1463-1467.	2.6	430
3	Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classification. International Journal of Computer Vision, 2014, 109, 209-232.	10.9	425
4	Palmprint verification based on robust line orientation code. Pattern Recognition, 2008, 41, 1504-1513.	5.1	389
5	Feature fusion: parallel strategy vs. serial strategy. Pattern Recognition, 2003, 36, 1369-1381.	5.1	380
6	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
7	Two-dimensional discriminant transform for face recognition. Pattern Recognition, 2005, 38, 1125-1129.	5.1	288
8	Palmprint verification based on principal lines. Pattern Recognition, 2008, 41, 1316-1328.	5.1	287
9	Palmprint verification using binary orientation co-occurrence vector. Pattern Recognition Letters, 2009, 30, 1219-1227.	2.6	235
10	A Comparative Study of Palmprint Recognition Algorithms. ACM Computing Surveys, 2012, 44, 1-37.	16.1	192
11	Approximate Orthogonal Sparse Embedding for Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 723-735.	7.2	150
12	Personal authentication using multiple palmprint representation. Pattern Recognition, 2005, 38, 1695-1704.	5.1	138
13	Online joint palmprint and palmvein verification. Expert Systems With Applications, 2011, 38, 2621-2631.	4.4	111
14	Sparse, collaborative, or nonnegative representation: Which helps pattern classification?. Pattern Recognition, 2019, 88, 679-688.	5.1	106
15	A fast kernel-based nonlinear discriminant analysis for multi-class problems. Pattern Recognition, 2006, 39, 1026-1033.	5.1	105
16	High resolution partial fingerprint alignment using pore valley descriptors. Pattern Recognition, 2010, 43, 1050-1061.	5.1	100
17	Adaptive fingerprint pore modeling and extraction. Pattern Recognition, 2010, 43, 2833-2844.	5.1	100
18	Joint discriminative dimensionality reduction and dictionary learning for face recognition. Pattern Recognition, 2013, 46, 2134-2143.	5.1	97

#	ARTICLE	IF	CITATIONS
19	Robust palmprint verification using 2D and 3D features. Pattern Recognition, 2010, 43, 358-368.	5.1	95
20	Quantitative analysis of human facial beauty using geometric features. Pattern Recognition, 2011, 44, 940-950.	5.1	91
21	Baseline wander correction in pulse waveforms using wavelet-based cascaded adaptive filter. Computers in Biology and Medicine, 2007, 37, 716-731.	3.9	90
22	Tongue image analysis for appendicitis diagnosis. Information Sciences, 2005, 175, 160-176.	4.0	86
23	Coarse iris classification using box-counting to estimate fractal dimensions. Pattern Recognition, 2005, 38, 1791-1798.	5.1	83
24	On kernel difference-weighted k-nearest neighbor classification. Pattern Analysis and Applications, 2008, 11, 247-257.	3.1	79
25	Orientation selection using modified FCM for competitive code-based palmprint recognition. Pattern Recognition, 2009, 42, 2841-2849.	5.1	75
26	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
27	Calibration transfer and drift compensation of e-noses via coupled task learning. Sensors and Actuators B: Chemical, 2016, 225, 288-297.	4.0	72
28	Tongue shape classification by geometric features. Information Sciences, 2010, 180, 312-324.	4.0	69
29	The relative distance of key point based iris recognition. Pattern Recognition, 2007, 40, 423-430.	5.1	64
30	Study on novel Curvature Features for 3D fingerprint recognition. Neurocomputing, 2015, 168, 599-608.	3.5	64
31	A robust signal preprocessing framework for wrist pulse analysis. Biomedical Signal Processing and Control, 2016, 23, 62-75.	3.5	63
32	A Fourier-LDA approach for image recognition. Pattern Recognition, 2005, 38, 453-457.	5.1	61
33	Automatic tongue image segmentation based on gradient vector flow and region merging. Neural Computing and Applications, 2012, 21, 1819-1826.	3.2	58
34	From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. Pattern Recognition, 2011, 44, 1387-1402.	5.1	57
35	Robust single-object image segmentation based on salient transition region. Pattern Recognition, 2016, 52, 317-331.	5.1	54
36	An Analysis of IrisCode. IEEE Transactions on Image Processing, 2010, 19, 522-532.	6.0	52

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37	Wavelet Energy Feature Extraction and Matching for Palmprint Recognition. Journal of Computer Science and Technology, 2005, 20, 411-418.	0.9	50
38	An assembled matrix distance metric for 2DPCA-based image recognition. Pattern Recognition Letters, 2006, 27, 210-216.	2.6	49
39	Joint similar and specific learning for diabetes mellitus and impaired glucose regulation detection. Information Sciences, 2017, 384, 191-204.	4.0	43
40	Scaled Simplex Representation for Subspace Clustering. IEEE Transactions on Cybernetics, 2021, 51, 1493-1505.	6.2	43
41	Computerized Diagnosis from Tongue Appearance Using Quantitative Feature Classification. The American Journal of Chinese Medicine, 2005, 33, 859-866.	1.5	42
42	Improving the transfer ability of prediction models for electronic noses. Sensors and Actuators B: Chemical, 2015, 220, 115-124.	4.0	41
43	A high quality color imaging system for computerized tongue image analysis. Expert Systems With Applications, 2013, 40, 5854-5866.	4.4	40
44	A Novel Medical E-Nose Signal Analysis System. Sensors, 2017, 17, 402.	2.1	36
45	A novel hierarchical fingerprint matching approach. Pattern Recognition, 2011, 44, 1604-1613.	5.1	34
46	Facial beauty analysis based on geometric feature: Toward attractiveness assessment application. Expert Systems With Applications, 2017, 82, 252-265.	4.4	32
47	3D palmprint identification combining blocked ST and PCA. Pattern Recognition Letters, 2017, 100, 89-95.	2.6	31
48	Ear-parotic face angle: A unique feature for 3D ear recognition. Pattern Recognition Letters, 2015, 53, 9-15.	2.6	28
49	Dynamic tongueprint: A novel biometric identifier. Pattern Recognition, 2010, 43, 1071-1082.	5.1	26
50	UODV: improved algorithm and generalized theory. Pattern Recognition, 2003, 36, 2593-2602.	5.1	25
51	Post-processed LDA for face and palmprint recognition: What is the rationale. Signal Processing, 2010, 90, 2344-2352.	2.1	24
52	An optimized palmprint recognition approach based on image sharpness. Pattern Recognition Letters, 2017, 85, 65-71.	2.6	24
53	Learning acoustic features to detect Parkinson's disease. Neurocomputing, 2018, 318, 102-108.	3.5	24
54	Fusion of phase and orientation information for palmprint authentication. Pattern Analysis and Applications, 2006, 9, 103-111.	3.1	23

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55	Facial image medical analysis system using quantitative chromatic feature. Expert Systems With Applications, 2013, 40, 3738-3746.	4.4	23
56	A universal texture segmentation and representation scheme based on ant colony optimization for iris image processing. Computers and Mathematics With Applications, 2009, 57, 1862-1868.	1.4	22
57	Body surface feature-based multi-modal Learning for Diabetes Mellitus detection. Information Sciences, 2019, 472, 1-14.	4.0	21
58	Online signature verification based on null component analysis and principal component analysis. Pattern Analysis and Applications, 2006, 8, 345-356.	3.1	20
59	Computerized facial diagnosis using both color and texture features. Information Sciences, 2013, 221, 49-59.	4.0	18
60	Radial artery pulse waveform analysis based on curve fitting using discrete Fourier series. Computer Methods and Programs in Biomedicine, 2019, 174, 25-31.	2.6	18
61	Orientation analysis for rotated human face detection. Image and Vision Computing, 2002, 20, 257-264.	2.7	15
62	Face recognition based on a group decision-making combination approach. Pattern Recognition, 2003, 36, 1675-1678.	5.1	15
63	Three-dimensional surface registration: A neural network strategy. Neurocomputing, 2006, 70, 597-602.	3.5	15
64	Sparse representation-based classification for breath sample identification. Sensors and Actuators B: Chemical, 2011, 158, 43-53.	4.0	15
65	Joint learning for voice based disease detection. Pattern Recognition, 2019, 87, 130-139.	5.1	15
66	MetricFusion: Generalized metric swarm learning for similarity measure. Information Fusion, 2016, 30, 80-90.	11.7	14
67	2D facial landmark model design by combining key points and inserted points. Expert Systems With Applications, 2015, 42, 7858-7868.	4.4	13
68	Improvements on the uncorrelated optimal discriminant vectors. Pattern Recognition, 2003, 36, 1921-1923.	5.1	12
69	Median Fisher Discriminator: a robust feature extraction method with applications to biometrics. Frontiers of Computer Science, 2008, 2, 295-305.	0.6	12
70	An LDA based sensor selection approach used in breath analysis system. Sensors and Actuators B: Chemical, 2011, 157, 265-274.	4.0	12
71	Combining a causal effect criterion for evaluation of facial attractiveness models. Neurocomputing, 2016, 177, 98-109.	3.5	12
72	Improving texture analysis performance in biometrics by adjusting image sharpness. Pattern Recognition, 2017, 66, 16-25.	5.1	12

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73	Locally principal component learning for face representation and recognition. Neurocomputing, 2006, 69, 1697-1701.	3.5	11
74	Face recognition based on linear classifiers combination. Neurocomputing, 2003, 50, 485-488.	3.5	10
75	GMAT: Glottal closure instants detection based on the Multiresolution Absolute Teager-Kaiser energy operator. , 2017, 69, 286-299.		10
76	What is wrong with mesh PCA in coordinate direction normalization. Pattern Recognition, 2006, 39, 2244-2247.	5.1	9
77	A linear edge model and its application in lossless image coding. Signal Processing: Image Communication, 2004, 19, 955-958.	1.8	8
78	Highly shared Convolutional Neural Networks. Expert Systems With Applications, 2021, 175, 114782.	4.4	8
79	Online Palmprint Identification System for Civil Applications. Journal of Computer Science and Technology, 2005, 20, 70-76.	0.9	7
80	A fast evolutionary pursuit algorithm based on linearly combining vectors. Pattern Recognition, 2006, 39, 310-312.	5.1	7
81	Influence of sampling rate on voice analysis for assessment of Parkinson's disease. Journal of the Acoustical Society of America, 2018, 144, 1416-1423.	0.5	6
82	High-parameter-efficiency convolutional neural networks. Neural Computing and Applications, 2020, 32, 10633-10644.	3.2	6
83	Parameter by Parameter Algorithm for Multilayer Perceptrons. Neural Processing Letters, 2006, 23, 229-242.	2.0	4
84	Facial Feature Extraction Method Based on Coefficients of Variances. Journal of Computer Science and Technology, 2007, 22, 626-632.	0.9	3
85	$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix}$	1.5	3
86	3D palmprint identification using blocked histogram and improved sparse representation-based classifier. Neural Computing and Applications, 2020, 32, 12547-12560.	3.2	3
87	Fast and convergence-guaranteed algorithm for linear separation. Science China Information Sciences, 2010, 53, 729-737.	2.7	2
88	MODENN: A Shallow Broad Neural Network Model Based on Multi-Order Descartes Expansion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	1
89	A fast BNM (Best Neighborhood Matching): Algorithm and parallel processing for image restoration. International Journal of Imaging Systems and Technology, 2003, 13, 189-200.	2.7	0
90	Image Sharpness-Based System Design for Touchless Palmprint Recognition. , 0, , .		0