

Kebin Wu

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

88
papers

5,700
citations

36
h-index

75
g-index

93
ext. papers

6,679
ext. citations

6.3
avg, IF

6.01
L-index

#	Paper	IF	Citations
88	Scaled Simplex Representation for Subspace Clustering. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1493-1505	10.5	10
87	Highly shared Convolutional Neural Networks. <i>Expert Systems With Applications</i> , 2021 , 175, 114782	7.8	5
86	3D palmprint identification using blocked histogram and improved sparse representation-based classifier. <i>Neural Computing and Applications</i> , 2020 , 32, 12547-12560	4.8	2
85	High-parameter-efficiency convolutional neural networks. <i>Neural Computing and Applications</i> , 2020 , 32, 10633-10644	4.8	3
84	Sparse, collaborative, or nonnegative representation: Which helps pattern classification?. <i>Pattern Recognition</i> , 2019 , 88, 679-688	7.7	67
83	Body surface feature-based multi-modal Learning for Diabetes Mellitus detection. <i>Information Sciences</i> , 2019 , 472, 1-14	7.7	15
82	Joint learning for voice based disease detection. <i>Pattern Recognition</i> , 2019 , 87, 130-139	7.7	10
81	Radial artery pulse waveform analysis based on curve fitting using discrete Fourier series. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 174, 25-31	6.9	10
80	Influence of sampling rate on voice analysis for assessment of Parkinson's disease. <i>Journal of the Acoustical Society of America</i> , 2018 , 144, 1416	2.2	2
79	Learning acoustic features to detect Parkinson's disease. <i>Neurocomputing</i> , 2018 , 318, 102-108	5.4	17
78	Facial beauty analysis based on geometric feature: Toward attractiveness assessment application. <i>Expert Systems With Applications</i> , 2017 , 82, 252-265	7.8	20
77	Improving texture analysis performance in biometrics by adjusting image sharpness. <i>Pattern Recognition</i> , 2017 , 66, 16-25	7.7	10
76	3D palmprint identification combining blocked ST and PCA. <i>Pattern Recognition Letters</i> , 2017 , 100, 89-95	4.7	22
75	A Novel Medical E-Nose Signal Analysis System. <i>Sensors</i> , 2017 , 17,	3.8	19
74	GMAT: Glottal closure instants detection based on the Multiresolution Absolute Teager-Kaiser energy operator 2017 , 69, 286-299		7
73	An optimized palmprint recognition approach based on image sharpness. <i>Pattern Recognition Letters</i> , 2017 , 85, 65-71	4.7	17
72	Joint similar and specific learning for diabetes mellitus and impaired glucose regulation detection. <i>Information Sciences</i> , 2017 , 384, 191-204	7.7	35

71	A robust signal preprocessing framework for wrist pulse analysis. <i>Biomedical Signal Processing and Control</i> , 2016 , 23, 62-75	4.9	39
70	Approximate Orthogonal Sparse Embedding for Dimensionality Reduction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 723-35	10.3	135
69	Combining a causal effect criterion for evaluation of facial attractiveness models. <i>Neurocomputing</i> , 2016 , 177, 98-109	5.4	8
68	Calibration transfer and drift compensation of e-noses via coupled task learning. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 288-297	8.5	57
67	MetricFusion: Generalized metric swarm learning for similarity measure. <i>Information Fusion</i> , 2016 , 30, 80-90	16.7	10
66	Robust single-object image segmentation based on salient transition region. <i>Pattern Recognition</i> , 2016 , 52, 317-331	7.7	38
65	2D facial landmark model design by combining key points and inserted points. <i>Expert Systems With Applications</i> , 2015 , 42, 7858-7868	7.8	7
64	Improving the transfer ability of prediction models for electronic noses. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 115-124	8.5	33
63	Feature selection and analysis on correlated gas sensor data with recursive feature elimination. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 353-363	8.5	225
62	Ear-parotic face angle: A unique feature for 3D ear recognition. <i>Pattern Recognition Letters</i> , 2015 , 53, 9-15	4.7	20
61	Study on novel Curvature Features for 3D fingerprint recognition. <i>Neurocomputing</i> , 2015 , 168, 599-608	5.4	53
60	Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classification. <i>International Journal of Computer Vision</i> , 2014 , 109, 209-232	10.6	343
59	A high quality color imaging system for computerized tongue image analysis. <i>Expert Systems With Applications</i> , 2013 , 40, 5854-5866	7.8	29
58	Facial image medical analysis system using quantitative chromatic feature. <i>Expert Systems With Applications</i> , 2013 , 40, 3738-3746	7.8	15
57	Computerized facial diagnosis using both color and texture features. <i>Information Sciences</i> , 2013 , 221, 49-59	7.7	15
56	Joint discriminative dimensionality reduction and dictionary learning for face recognition. <i>Pattern Recognition</i> , 2013 , 46, 2134-2143	7.7	76
55	Automatic tongue image segmentation based on gradient vector flow and region merging. <i>Neural Computing and Applications</i> , 2012 , 21, 1819-1826	4.8	39
54	A Comparative Study of Palmprint Recognition Algorithms. <i>ACM Computing Surveys</i> , 2012 , 44, 1-37	13.4	156

53	Non-invasive blood glucose monitoring for diabetics by means of breath signal analysis. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 106-113	8.5	61
52	From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. <i>Pattern Recognition</i> , 2011 , 44, 1387-1402	7.7	49
51	Online joint palmprint and palmvein verification. <i>Expert Systems With Applications</i> , 2011 , 38, 2621-2631	7.8	88
50	Quantitative analysis of human facial beauty using geometric features. <i>Pattern Recognition</i> , 2011 , 44, 940-950	7.7	65
49	A novel hierarchical fingerprint matching approach. <i>Pattern Recognition</i> , 2011 , 44, 1604-1613	7.7	28
48	An LDA based sensor selection approach used in breath analysis system. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 265-274	8.5	12
47	Sparse representation-based classification for breath sample identification. <i>Sensors and Actuators B: Chemical</i> , 2011 , 158, 43-53	8.5	12
46	An analysis of IrisCode. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 522-32	8.7	44
45	High resolution partial fingerprint alignment using pore-valley descriptors. <i>Pattern Recognition</i> , 2010 , 43, 1050-1061	7.7	80
44	Fast and convergence-guaranteed algorithm for linear separation. <i>Science China Information Sciences</i> , 2010 , 53, 729-737	3.4	0
43	Post-processed LDA for face and palmprint recognition: What is the rationale. <i>Signal Processing</i> , 2010 , 90, 2344-2352	4.4	20
42	Robust palmprint verification using 2D and 3D features. <i>Pattern Recognition</i> , 2010 , 43, 358-368	7.7	75
41	Adaptive fingerprint pore modeling and extraction. <i>Pattern Recognition</i> , 2010 , 43, 2833-2844	7.7	80
40	Dynamic tongueprint: A novel biometric identifier. <i>Pattern Recognition</i> , 2010 , 43, 1071-1082	7.7	21
39	Tongue shape classification by geometric features. <i>Information Sciences</i> , 2010 , 180, 312-324	7.7	53
38	Orientation selection using modified FCM for competitive code-based palmprint recognition. <i>Pattern Recognition</i> , 2009 , 42, 2841-2849	7.7	58
37	Palmprint verification using binary orientation co-occurrence vector. <i>Pattern Recognition Letters</i> , 2009 , 30, 1219-1227	4.7	181
36	A universal texture segmentation and representation scheme based on ant colony optimization for iris image processing. <i>Computers and Mathematics With Applications</i> , 2009 , 57, 1862-1868	2.7	14

35	Median Fisher Discriminator: a robust feature extraction method with applications to biometrics. <i>Frontiers of Computer Science</i> , 2008 , 2, 295-305		7
34	On kernel difference-weighted k-nearest neighbor classification. <i>Pattern Analysis and Applications</i> , 2008 , 11, 247-257	2.3	68
33	Palmprint verification based on principal lines. <i>Pattern Recognition</i> , 2008 , 41, 1316-1328	7.7	234
32	Palmprint verification based on robust line orientation code. <i>Pattern Recognition</i> , 2008 , 41, 1504-1513	7.7	322
31	Baseline wander correction in pulse waveforms using wavelet-based cascaded adaptive filter. <i>Computers in Biology and Medicine</i> , 2007 , 37, 716-31	7	68
30	The relative distance of key point based iris recognition. <i>Pattern Recognition</i> , 2007 , 40, 423-430	7.7	50
29	Facial Feature Extraction Method Based on Coefficients of Variances. <i>Journal of Computer Science and Technology</i> , 2007 , 22, 626-632	1.7	2
28	The . <i>Applied Mathematics Letters</i> , 2007 , 20, 59-64	3.5	2
27	A fast kernel-based nonlinear discriminant analysis for multi-class problems. <i>Pattern Recognition</i> , 2006 , 39, 1026-1033	7.7	92
26	Locally principal component learning for face representation and recognition. <i>Neurocomputing</i> , 2006 , 69, 1697-1701	5.4	9
25	Three-dimensional surface registration: A neural network strategy. <i>Neurocomputing</i> , 2006 , 70, 597-602	5.4	12
24	What is wrong with mesh PCA in coordinate direction normalization. <i>Pattern Recognition</i> , 2006 , 39, 2244-2247	7.7	6
23	An assembled matrix distance metric for 2DPCA-based image recognition. <i>Pattern Recognition Letters</i> , 2006 , 27, 210-216	4.7	36
22	A fast evolutionary pursuit algorithm based on linearly combining vectors. <i>Pattern Recognition</i> , 2006 , 39, 310-312	7.7	5
21	Parameter by Parameter Algorithm for Multilayer Perceptrons. <i>Neural Processing Letters</i> , 2006 , 23, 229-242	2.4	3
20	Fusion of phase and orientation information for palmprint authentication. <i>Pattern Analysis and Applications</i> , 2006 , 9, 103-111	2.3	19
19	Online signature verification based on null component analysis and principal component analysis. <i>Pattern Analysis and Applications</i> , 2006 , 8, 345-356	2.3	16
18	Coarse iris classification using box-counting to estimate fractal dimensions. <i>Pattern Recognition</i> , 2005 , 38, 1791-1798	7.7	70

17	Two-dimensional discriminant transform for face recognition. <i>Pattern Recognition</i> , 2005 , 38, 1125-1129	7.7	223
16	Tongue image analysis for appendicitis diagnosis. <i>Information Sciences</i> , 2005 , 175, 160-176	7.7	62
15	A Fourier-TDA approach for image recognition. <i>Pattern Recognition</i> , 2005 , 38, 453-457	7.7	43
14	Personal authentication using multiple palmprint representation. <i>Pattern Recognition</i> , 2005 , 38, 1695-1704	7.7	112
13	Online Palmprint Identification System for Civil Applications. <i>Journal of Computer Science and Technology</i> , 2005 , 20, 70-76	1.7	5
12	Wavelet Energy Feature Extraction and Matching for Palmprint Recognition. <i>Journal of Computer Science and Technology</i> , 2005 , 20, 411-418	1.7	35
11	Computerized diagnosis from tongue appearance using quantitative feature classification. <i>The American Journal of Chinese Medicine</i> , 2005 , 33, 859-66	6	33
10	A linear edge model and its application in lossless image coding. <i>Signal Processing: Image Communication</i> , 2004 , 19, 955-958	2.8	4
9	Face recognition based on linear classifiers combination. <i>Neurocomputing</i> , 2003 , 50, 485-488	5.4	9
8	A fast BNM (Best Neighborhood Matching): Algorithm and parallel processing for image restoration. <i>International Journal of Imaging Systems and Technology</i> , 2003 , 13, 189-200	2.5	
7	Feature fusion: parallel strategy vs. serial strategy. <i>Pattern Recognition</i> , 2003 , 36, 1369-1381	7.7	294
6	Palmprint recognition using eigenpalms features. <i>Pattern Recognition Letters</i> , 2003 , 24, 1463-1467	4.7	349
5	Face recognition based on a group decision-making combination approach. <i>Pattern Recognition</i> , 2003 , 36, 1675-1678	7.7	12
4	Improvements on the uncorrelated optimal discriminant vectors. <i>Pattern Recognition</i> , 2003 , 36, 1921-1933	7.7	9
3	UODV: improved algorithm and generalized theory. <i>Pattern Recognition</i> , 2003 , 36, 2593-2602	7.7	22
2	Online palmprint identification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2003 , 25, 1041-1050	13.3	934
1	Orientation analysis for rotated human face detection. <i>Image and Vision Computing</i> , 2002 , 20, 257-264	3.7	13