

David Zhang, Dapeng

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828
papers

40,578
citations

91
h-index

184
g-index

897
ext. papers

48,416
ext. citations

4.9
avg, IF

7.89
L-index

#	Paper	IF	Citations
828	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
827	FSIM: a feature similarity index for image quality assessment. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2378-86	8.7	2523
826	Two-dimensional PCA: a new approach to appearance-based face representation and recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 131-7	13.3	2098
825	A completed modeling of local binary pattern operator for texture classification. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 1657-63	8.7	1283
824	Online palmprint identification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2003 , 25, 1041-1050	13.3	934
823	. <i>IEEE Access</i> , 2015 , 3, 490-530	3.5	615
822	Rotation invariant texture classification using LBP variance (LBPV) with global matching. <i>Pattern Recognition</i> , 2010 , 43, 706-719	7.7	574
821	KPCA plus LDA: a complete kernel Fisher discriminant framework for feature extraction and recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005 , 27, 230-44	13.3	564
820	Fisher Discrimination Dictionary Learning for sparse representation 2011 ,		495
819	. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 1999 , 46, 78-80		483
818	Two-stage image denoising by principal component analysis with local pixel grouping. <i>Pattern Recognition</i> , 2010 , 43, 1531-1549	7.7	445
817	Globally maximizing, locally minimizing: unsupervised discriminant projection with applications to face and palm biometrics. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 650-64	13.3	385
816	A survey of palmprint recognition. <i>Pattern Recognition</i> , 2009 , 42, 1408-1418	7.7	375
815	A Two-Phase Test Sample Sparse Representation Method for Use With Face Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 1255-1262	6.4	352
814	Palmprint recognition using eigenpalms features. <i>Pattern Recognition Letters</i> , 2003 , 24, 1463-1467	4.7	349
813	Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classification. <i>International Journal of Computer Vision</i> , 2014 , 109, 209-232	10.6	343
812	Palmprint verification based on robust line orientation code. <i>Pattern Recognition</i> , 2008 , 41, 1504-1513	7.7	322

811	Robust sparse coding for face recognition 2011 ,		301
810	Fisherpalms based palmprint recognition. <i>Pattern Recognition Letters</i> , 2003 , 24, 2829-2838	4.7	300
809	Feature fusion: parallel strategy vs. serial strategy. <i>Pattern Recognition</i> , 2003 , 36, 1369-1381	7.7	294
808	A Level Set Approach to Image Segmentation With Intensity Inhomogeneity. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 546-57	10.2	284
807	Fast Visual Tracking via Dense Spatio-temporal Context Learning. <i>Lecture Notes in Computer Science</i> , 2014 , 127-141	0.9	278
806	Two novel characteristics in palmprint verification: datum point invariance and line feature matching. <i>Pattern Recognition</i> , 1999 , 32, 691-702	7.7	268
805	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 480-490	5.2	258
804	Improved robust H2 and H ∞ filtering for uncertain discrete-time systems. <i>Automatica</i> , 2004 , 40, 873-880	5.7	255
803	Interactive image segmentation by maximal similarity based region merging. <i>Pattern Recognition</i> , 2010 , 43, 445-456	7.7	252
802	Palmprint identification using feature-level fusion. <i>Pattern Recognition</i> , 2006 , 39, 478-487	7.7	251
801	Palmprint feature extraction using 2-D Gabor filters. <i>Pattern Recognition</i> , 2003 , 36, 2339-2347	7.7	245
800	Online finger-knuckle-print verification for personal authentication. <i>Pattern Recognition</i> , 2010 , 43, 2560-2571	7.7	240
799	Palmprint verification based on principal lines. <i>Pattern Recognition</i> , 2008 , 41, 1316-1328	7.7	234
798	A survey of graph theoretical approaches to image segmentation. <i>Pattern Recognition</i> , 2013 , 46, 1020-1038	7.7	231
797	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
796	Two-dimensional discriminant transform for face recognition. <i>Pattern Recognition</i> , 2005 , 38, 1125-1129	7.7	223
795	PALMPRINT IDENTIFICATION BY FOURIER TRANSFORM. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2002 , 16, 417-432	1.1	214
794	Domain Adaptation Extreme Learning Machines for Drift Compensation in E-Nose Systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015 , 64, 1790-1801	5.2	213

793	Regularized robust coding for face recognition. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1753-668.7	207
792	Metaface learning for sparse representation based face recognition 2010 ,	198
791	Joint Learning of Single-Image and Cross-Image Representations for Person Re-identification 2016 ,	198
790	Discriminative Transfer Subspace Learning via Low-Rank and Sparse Representation. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 850-63	8.7 186
789	An analysis of BioHashing and its variants. <i>Pattern Recognition</i> , 2006 , 39, 1359-1368	7.7 185
788	Palmprint verification using binary orientation co-occurrence vector. <i>Pattern Recognition Letters</i> , 2009 , 30, 1219-1227	4.7 181
787	Personal recognition using hand shape and texture. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 2454-61	8.7 181
786	LSDT: Latent Sparse Domain Transfer Learning for Visual Adaptation. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1177-91	8.7 175
785	Hierarchical palmprint identification via multiple feature extraction. <i>Pattern Recognition</i> , 2002 , 35, 847-859	175
784	Automated Biometrics. <i>The Kluwer International Series on Asian Studies in Computer and Information Science</i> , 2000 ,	171
783	Patch Group Based Nonlocal Self-Similarity Prior Learning for Image Denoising 2015 ,	169
782	Multilinear sparse principal component analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1942-50	10.3 158
781	A face and palmprint recognition approach based on discriminant DCT feature extraction. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 2405-15	157
780	A Comparative Study of Palmprint Recognition Algorithms. <i>ACM Computing Surveys</i> , 2012 , 44, 1-37	13.4 156
779	2013 ,	153
778	Reinitialization-free level set evolution via reaction diffusion. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 258-71	8.7 150
777	Ensemble of local and global information for fingerknuckle-print recognition. <i>Pattern Recognition</i> , 2011 , 44, 1990-1998	7.7 142
776	Characterization of palmprints by wavelet signatures via directional context modeling. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 1335-47	139

775	LPP solution schemes for use with face recognition. <i>Pattern Recognition</i> , 2010 , 43, 4165-4176	7.7	137
774	Approximate Orthogonal Sparse Embedding for Dimensionality Reduction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 723-35	10.3	135
773	ROBUST OBJECT TRACKING USING JOINT COLOR-TEXTURE HISTOGRAM. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2009 , 23, 1245-1263	1.1	134
772	Local linear discriminant analysis framework using sample neighbors. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 1119-32		131
771	Multi-channel Weighted Nuclear Norm Minimization for Real Color Image Denoising 2017 ,		126
770	Moving Vehicle Detection for Automatic Traffic Monitoring. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 51-59	6.8	125
769	Palmprint classification using principal lines. <i>Pattern Recognition</i> , 2004 , 37, 1987-1998	7.7	125
768	Learning Convolutional Networks for Content-Weighted Image Compression 2018 ,		125
767	Robust Visual Knowledge Transfer via Extreme Learning Machine Based Domain Adaptation. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4959-4973	8.7	124
766	Essence of kernel Fisher discriminant: KPCA plus LDA. <i>Pattern Recognition</i> , 2004 , 37, 2097-2100	7.7	124
765	A feature extraction method for use with bimodal biometrics. <i>Pattern Recognition</i> , 2010 , 43, 1106-1115	7.7	119
764	A New Discriminative Sparse Representation Method for Robust Face Recognition via ℓ_1 Regularization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2233-2242	10.3	118
763	Double-orientation code and nonlinear matching scheme for palmprint recognition. <i>Pattern Recognition</i> , 2016 , 49, 89-101	7.7	115
762	Computerized tongue diagnosis based on Bayesian networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2004 , 51, 1803-10	5	113
761	Face recognition using FLDA with single training image per person. <i>Applied Mathematics and Computation</i> , 2008 , 205, 726-734	2.7	112
760	Personal authentication using multiple palmprint representation. <i>Pattern Recognition</i> , 2005 , 38, 1695-1704	7.7	112
759	A Locality-Constrained and Label Embedding Dictionary Learning Algorithm for Image Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 278-293	10.3	110
758	Face and palmprint pixel level fusion and Kernel DCV-RBF classifier for small sample biometric recognition. <i>Pattern Recognition</i> , 2007 , 40, 3209-3224	7.7	110

757	Robust mean-shift tracking with corrected background-weighted histogram. <i>IET Computer Vision</i> , 2012 , 6, 62	1.4	108
756	Using the idea of the sparse representation to perform coarse-to-fine face recognition. <i>Information Sciences</i> , 2013 , 238, 138-148	7.7	108
755	PCA-based spatially adaptive denoising of CFA images for single-sensor digital cameras. <i>IEEE Transactions on Image Processing</i> , 2009 , 18, 797-812	8.7	108
754	A novel breath analysis system based on electronic olfaction. <i>IEEE Transactions on Biomedical Engineering</i> , 2010 , 57,	5	108
753	Low-Rank Preserving Projections. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1900-13	10.2	107
752	Gabor feature based robust representation and classification for face recognition with Gabor occlusion dictionary. <i>Pattern Recognition</i> , 2013 , 46, 1865-1878	7.7	107
751	Palmprint Recognition Using 3-D Information. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2009 , 39, 505-519		107
750	Evolutionary Cost-Sensitive Extreme Learning Machine. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 3045-3060	10.3	106
749	On the neural network approach in software reliability modeling. <i>Journal of Systems and Software</i> , 2001 , 58, 47-62	3.3	105
748	Rank Entropy-Based Decision Trees for Monotonic Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2012 , 24, 2052-2064	4.2	104
747	Automated personal identification by palmprint. <i>Optical Engineering</i> , 1998 , 37, 2359	1.1	102
746	Image Set-Based Collaborative Representation for Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 1120-1132	8	100
745	Sparse tensor discriminant analysis. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 3904-15	8.7	100
744	On Robust Fuzzy Rough Set Models. <i>IEEE Transactions on Fuzzy Systems</i> , 2012 , 20, 636-651	8.3	99
743	Automatic image segmentation by dynamic region merging. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 3592-605	8.7	98
742	Finger-knuckle-print: A new biometric identifier 2009 ,		98
741	Learning Domain-Invariant Subspace Using Domain Features and Independence Maximization. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 288-299	10.2	97
740	Measuring relevance between discrete and continuous features based on neighborhood mutual information. <i>Expert Systems With Applications</i> , 2011 , 38, 10737-10750	7.8	96

739	Wrist pulse signal diagnosis using modified Gaussian models and Fuzzy C-Means classification. <i>Medical Engineering and Physics</i> , 2009 , 31, 1283-9	2.4	95
738	A fast kernel-based nonlinear discriminant analysis for multi-class problems. <i>Pattern Recognition</i> , 2006 , 39, 1026-1033	7.7	92
737	A comprehensive evaluation of full reference image quality assessment algorithms 2012 ,		90
736	A method for speeding up feature extraction based on KPCA. <i>Neurocomputing</i> , 2007 , 70, 1056-1061	5.4	89
735	Integrating conventional and inverse representation for face recognition. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1738-46	10.2	88
734	Phase congruency induced local features for finger-knuckle-print recognition. <i>Pattern Recognition</i> , 2012 , 45, 2522-2531	7.7	88
733	Online joint palmprint and palmvein verification. <i>Expert Systems With Applications</i> , 2011 , 38, 2621-2631	7.8	88
732	Directional binary code with application to PolyU near-infrared face database. <i>Pattern Recognition Letters</i> , 2010 , 31, 2337-2344	4.7	88
731	Studies on Hyperspectral Face Recognition in Visible Spectrum With Feature Band Selection. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2010 , 40, 1354-1361		87
730	Wavelet-based cascaded adaptive filter for removing baseline drift in pulse waveforms. <i>IEEE Transactions on Biomedical Engineering</i> , 2005 , 52, 1973-5	5	87
729	The bi-elliptical deformable contour and its application to automated tongue segmentation in Chinese medicine. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 946-56	11.7	86
728	. <i>IEEE Access</i> , 2017 , 5, 8502-8514	3.5	85
727	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 346-363	7.3	85
726	On hierarchical palmprint coding with multiple features for personal identification in large databases. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2004 , 14, 234-243	6.4	82
725	From Point to Set: Extend the Learning of Distance Metrics 2013 ,		81
724	An approach for directly extracting features from matrix data and its application in face recognition. <i>Neurocomputing</i> , 2008 , 71, 1857-1865	5.4	81
723	BDPCA plus LDA: a novel fast feature extraction technique for face recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 946-53		81
722	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 1651-1662	6.4	80

7 ²¹	High resolution partial fingerprint alignment using pore-valley descriptors. <i>Pattern Recognition</i> , 2010 , 43, 1050-1061	7.7	80
7 ²⁰	Adaptive fingerprint pore modeling and extraction. <i>Pattern Recognition</i> , 2010 , 43, 2833-2844	7.7	80
7 ¹⁹	A Trilateral Weighted Sparse Coding Scheme for Real-World Image Denoising. <i>Lecture Notes in Computer Science</i> , 2018 , 21-38	0.9	80
7 ¹⁸	Design of a breath analysis system for diabetes screening and blood glucose level prediction. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2787-95	5	79
7 ¹⁷	Robust mesh watermarking based on multiresolution processing. <i>Computers and Graphics</i> , 2001 , 25, 409-420	4.2	79
7 ¹⁶	A Unified Framework for Contactless Hand Verification. <i>IEEE Transactions on Information Forensics and Security</i> , 2011 , 6, 1014-1027	8	78
7 ¹⁵	Kernel ICA: An alternative formulation and its application to face recognition. <i>Pattern Recognition</i> , 2005 , 38, 1784-1787	7.7	78
7 ¹⁴	Facial expression recognition on multiple manifolds. <i>Pattern Recognition</i> , 2011 , 44, 107-116	7.7	77
7 ¹³	Scale and orientation adaptive mean shift tracking. <i>IET Computer Vision</i> , 2012 , 6, 52	1.4	76
7 ¹²	Monogenic Binary Coding: An Efficient Local Feature Extraction Approach to Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 1738-1751	8	76
7 ¹¹	Joint discriminative dimensionality reduction and dictionary learning for face recognition. <i>Pattern Recognition</i> , 2013 , 46, 2134-2143	7.7	76
7 ¹⁰	Gradient histogram estimation and preservation for texture enhanced image denoising. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2459-72	8.7	75
7 ⁰⁹	An optimized tongue image color correction scheme. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010 , 14, 1355-64		75
7 ⁰⁸	Robust palmprint verification using 2D and 3D features. <i>Pattern Recognition</i> , 2010 , 43, 358-368	7.7	75
7 ⁰⁷	Bidirectional PCA with assembled matrix distance metric for image recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 863-72		75
7 ⁰⁶	A study of identical twins' palmprints for personal verification. <i>Pattern Recognition</i> , 2006 , 39, 2149-2156	7.7	75
7 ⁰⁵	Best neighborhood matching: an information loss restoration technique for block-based image coding systems. <i>IEEE Transactions on Image Processing</i> , 1998 , 7, 1056-61	8.7	75
7 ⁰⁴	Robust kernel representation with statistical local features for face recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 900-12	10.3	74

703	A Kernel Classification Framework for Metric Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1950-62	10.3	73
702	Hierarchical multiscale LBP for face and palmprint recognition 2010 ,		73
701	Rotational Invariant Dimensionality Reduction Algorithms. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3733-3746	10.2	72
700	. <i>IEEE Transactions on Fuzzy Systems</i> , 2012 , 20, 69-81	8.3	72
699	Human gait recognition by the fusion of motion and static spatio-temporal templates. <i>Pattern Recognition</i> , 2007 , 40, 2563-2573	7.7	72
698	Vessel segmentation and width estimation in retinal images using multiscale production of matched filter responses. <i>Expert Systems With Applications</i> , 2012 , 39, 7600-7610	7.8	70
697	Coarse iris classification using box-counting to estimate fractal dimensions. <i>Pattern Recognition</i> , 2005 , 38, 1791-1798	7.7	70
696	External Prior Guided Internal Prior Learning for Real-World Noisy Image Denoising. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	69
695	Finger-Knuckle-Print Verification Based on Band-Limited Phase-Only Correlation. <i>Lecture Notes in Computer Science</i> , 2009 , 141-148	0.9	69
694	Classification of hyperspectral medical tongue images for tongue diagnosis. <i>Computerized Medical Imaging and Graphics</i> , 2007 , 31, 672-8	7.6	69
693	Discriminative and Robust Competitive Code for Palmprint Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 232-241	7.3	68
692	Integrate the original face image and its mirror image for face recognition. <i>Neurocomputing</i> , 2014 , 131, 191-199	5.4	68
691	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
690	On kernel difference-weighted k-nearest neighbor classification. <i>Pattern Analysis and Applications</i> , 2008 , 11, 247-257	2.3	68
689	Sparse, collaborative, or nonnegative representation: Which helps pattern classification?. <i>Pattern Recognition</i> , 2019 , 88, 679-688	7.7	67
688	Half-orientation extraction of palmprint features. <i>Pattern Recognition Letters</i> , 2016 , 69, 35-41	4.7	67
687	Quantitative analysis of human facial beauty using geometric features. <i>Pattern Recognition</i> , 2011 , 44, 940-950	7.7	65
686	Face recognition based on 2D Fisherface approach. <i>Pattern Recognition</i> , 2006 , 39, 707-710	7.7	65

685	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2011 , 60, 863-871	5.2	63
684	Multi-Label Dictionary Learning for Image Annotation. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 2712-2725	8.7	63
683	A reorganized innovation approach to linear estimation. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 1810-1814	5.9	62
682	Tongue image analysis for appendicitis diagnosis. <i>Information Sciences</i> , 2005 , 175, 160-176	7.7	62
681	Combining left and right palmpoint images for more accurate personal identification. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 549-59	8.7	61
680	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
679	Detecting diabetes mellitus and nonproliferative diabetic retinopathy using tongue color, texture, and geometry features. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 491-501	5	60
678	. <i>IEEE Transactions on Multimedia</i> , 2005 , 7, 891-898	6.6	59
677	A modified matched filter with double-sided thresholding for screening proliferative diabetic retinopathy. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009 , 13, 528-34		58
676	Orientation selection using modified FCM for competitive code-based palmpoint recognition. <i>Pattern Recognition</i> , 2009 , 42, 2841-2849	7.7	58
675	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
674	Statistical analysis of tongue images for feature extraction and diagnostics. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 5336-47	8.7	57
673	Detecting wide lines using isotropic nonlinear filtering. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 1584-95	8.7	57
672	A combination model for orientation field of fingerprints. <i>Pattern Recognition</i> , 2004 , 37, 543-553	7.7	57
671	Distinguishing nested variants of urothelial carcinoma from benign mimickers by TERT promoter mutation. <i>American Journal of Surgical Pathology</i> , 2015 , 39, 127-31	6.7	56
670	Three measures for secure palmpoint identification. <i>Pattern Recognition</i> , 2008 , 41, 1329-1337	7.7	56
669	An innovation approach to H ∞ ; prediction for continuous-time systems with application to systems with delayed measurements*1. <i>Automatica</i> , 2004 , 40, 1253-1261	5.7	56
668	Computerized wrist pulse signal diagnosis using modified auto-regressive models. <i>Journal of Medical Systems</i> , 2011 , 35, 321-8	5.1	55

667	Automated tongue segmentation in hyperspectral images for medicine. <i>Applied Optics</i> , 2007 , 46, 8328-34.	4.7	55
666	Manifold Criterion Guided Transfer Learning via Intermediate Domain Generation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 ,	10.3	54
665	Secure program execution via dynamic information flow tracking. <i>ACM SIGPLAN Notices</i> , 2004 , 39, 85-96.	0.2	54
664	Study on novel Curvature Features for 3D fingerprint recognition. <i>Neurocomputing</i> , 2015 , 168, 599-608.	5.4	53
663	Tongue shape classification by geometric features. <i>Information Sciences</i> , 2010 , 180, 312-324.	7.7	53
662	Detecting Eyelash and Reflection for Accurate Iris Segmentation. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2003 , 17, 1025-1034.	1.1	53
661	Learning Iteration-wise Generalized Shrinkage-Thresholding Operators for Blind Deconvolution. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1751-64.	8.7	52
660	Image information restoration based on long-range correlation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2002 , 12, 331-341.	6.4	52
659	Texture Enhanced Image Denoising via Gradient Histogram Preservation 2013 ,		51
658	Contactless and pose invariant biometric identification using hand surface. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1415-24.	8.7	51
657	A multiple maximum scatter difference discriminant criterion for facial feature extraction. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1599-606.		51
656	The relative distance of key point based iris recognition. <i>Pattern Recognition</i> , 2007 , 40, 423-430.	7.7	50
655	An alternative formulation of kernel LPP with application to image recognition. <i>Neurocomputing</i> , 2006 , 69, 1733-1738.	5.4	50
654	From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. <i>Pattern Recognition</i> , 2011 , 44, 1387-1402.	7.7	49
653	On the Dimensionality Reduction for Sparse Representation Based Face Recognition 2010 ,		49
652	Restoration of impulse noise corrupted images using long-range correlation. <i>IEEE Signal Processing Letters</i> , 1998 , 5, 4-7.	3.2	49
651	A framework of joint graph embedding and sparse regression for dimensionality reduction. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1341-55.	8.7	48
650	The multiscale competitive code via sparse representation for palmprint verification 2010 ,		48

649	Correcting Instrumental Variation and Time-Varying Drift: A Transfer Learning Approach With Autoencoders. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 2012-2022	5.2	48
648	Feature Band Selection for Online Multispectral Palmprint Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 1094-1099	8	47
647	3-D Palmprint Recognition With Joint Line and Orientation Features. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2011 , 41, 274-279		46
646	. <i>IEEE Transactions on Information Forensics and Security</i> , 2010 , 5, 92-102	8	46
645	Generative multi-view and multi-feature learning for classification. <i>Information Fusion</i> , 2019 , 45, 215-226	6.7	46
644	A Hybrid l1-l0 Layer Decomposition Model for Tone Mapping 2018 ,		46
643	Image segmentation by iterated region merging with localized graph cuts. <i>Pattern Recognition</i> , 2011 , 44, 2527-2538	7.7	45
642	Performance analysis of a 3D full-field sensor based on fringe projection. <i>Optics and Lasers in Engineering</i> , 2004 , 42, 341-353	4.6	45
641	Noninvasive diabetes mellitus detection using facial block color with a sparse representation classifier. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 1027-33	5	44
640	Modified principal component analysis: an integration of multiple similarity subspace models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1538-52	10.3	44
639	Combine crossing matching scores with conventional matching scores for bimodal biometrics and face and palmprint recognition experiments. <i>Neurocomputing</i> , 2011 , 74, 3946-3952	5.4	44
638	Represent and fuse bimodal biometric images at the feature level: complex-matrix-based fusion scheme. <i>Optical Engineering</i> , 2010 , 49, 037002	1.1	44
637	An analysis of IrisCode. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 522-32	8.7	44
636	Wrist blood flow signal-based computerized pulse diagnosis using spatial and spectrum features. <i>Journal of Biomedical Science and Engineering</i> , 2010 , 03, 361-366	0.7	44
635	Robust Discriminant Regression for Feature Extraction. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2472-2484	2.4	43
634	Local directional derivative pattern for rotation invariant texture classification. <i>Neural Computing and Applications</i> , 2012 , 21, 1893-1904	4.8	43
633	Bimodal biometrics based on a representation and recognition approach. <i>Optical Engineering</i> , 2011 , 50, 037202	1.1	43
632	Feature-Level Fusion for Effective Palmprint Authentication. <i>Lecture Notes in Computer Science</i> , 2004 , 761-767	0.9	43

631	A Fourier-LDA approach for image recognition. <i>Pattern Recognition</i> , 2005 , 38, 453-457	7.7	43
630	Advanced Pattern Recognition Technologies with Applications to Biometrics. <i>Advances in Information and Communication Technology Education Series</i> , 2009 ,		43
629	Direct Pore Matching for Fingerprint Recognition. <i>Lecture Notes in Computer Science</i> , 2009 , 597-606	0.9	43
628	DRPL: Deep Regression Pair Learning For Multi-Focus Image Fusion. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	42
627	Efficient joint 2D and 3D palmprint matching with alignment refinement 2010 ,		42
626	An improved LDA approach. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 1942-51		42
625	F-SVM: Combination of Feature Transformation and SVM Learning via Convex Relaxation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5185-5199	10.3	41
624	Rotation invariant texture classification using adaptive LBP with directional statistical features 2010 ,		41
623	Improving Biometric Authentication Performance From the User Quality. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 730-735	5.2	40
622	A Novel Cryptosystem Based on Iris Key Generation 2008 ,		40
621	Constructing PCA baseline algorithms to reevaluate ICA-based face-recognition performance. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1015-21		40
620	Reconstruction and analysis of multi-pose face images based on nonlinear dimensionality reduction. <i>Pattern Recognition</i> , 2004 , 37, 325-336	7.7	40
619	A robust signal preprocessing framework for wrist pulse analysis. <i>Biomedical Signal Processing and Control</i> , 2016 , 23, 62-75	4.9	39
618	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
617	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 247-259	6.6	39
616	Robust single-object image segmentation based on salient transition region. <i>Pattern Recognition</i> , 2016 , 52, 317-331	7.7	38
615	Monogenic-LBP: A new approach for rotation invariant texture classification 2010 ,		38
614	. <i>IEEE Transactions on Information Forensics and Security</i> , 2007 , 2, 181-187	8	38

613	AUTOMATIC PALMPRINT VERIFICATION. <i>International Journal of Image and Graphics</i> , 2001 , 01, 135-151	0.5	38
612	A Compound Pressure Signal Acquisition System for Multichannel Wrist Pulse Signal Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 1556-1565	5.2	37
611	Wavelet Based Analysis of Doppler Ultrasonic Wrist-pulse Signals 2008 ,		37
610	Dorsal hand vein recognition via hierarchical combination of texture and shape clues. <i>Neurocomputing</i> , 2016 , 214, 815-828	5.4	36
609	Color image canonical correlation analysis for face feature extraction and recognition. <i>Signal Processing</i> , 2011 , 91, 2132-2140	4.4	36
608	An assembled matrix distance metric for 2DPCA-based image recognition. <i>Pattern Recognition Letters</i> , 2006 , 27, 210-216	4.7	36
607	Watermarking 3D mesh by spherical parameterization. <i>Computers and Graphics</i> , 2004 , 28, 981-989	1.8	36
606	What's wrong with Fisher criterion?. <i>Pattern Recognition</i> , 2002 , 35, 2665-2668	7.7	36
605	Nonnegative Discriminant Matrix Factorization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 1392-1405	6.4	35
604	Reconstruction based finger-knuckle-print verification with score level adaptive binary fusion. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 5050-62	8.7	35
603	Joint similar and specific learning for diabetes mellitus and impaired glucose regulation detection. <i>Information Sciences</i> , 2017 , 384, 191-204	7.7	35
602	Color reproduction from noisy CFA data of single sensor digital cameras. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 2184-97	8.7	35
601	Wavelet Energy Feature Extraction and Matching for Palmprint Recognition. <i>Journal of Computer Science and Technology</i> , 2005 , 20, 411-418	1.7	35
600	Low-Rank 2-D Neighborhood Preserving Projection for Enhanced Robust Image Representation. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1859-1872	10.2	35
599	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012 , 42, 443-452		34
598	Impulse noise detection and removal using fuzzy techniques. <i>Electronics Letters</i> , 1997 , 33, 378	1.1	34
597	Improving the transfer ability of prediction models for electronic noses. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 115-124	8.5	33
596	A sparse representation method of bimodal biometrics and palmprint recognition experiments. <i>Neurocomputing</i> , 2013 , 103, 164-171	5.4	33

595	Computerized diagnosis from tongue appearance using quantitative feature classification. <i>The American Journal of Chinese Medicine</i> , 2005 , 33, 859-66	6	33
594	Guide Subspace Learning for Unsupervised Domain Adaptation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 ,	10.3	33
593	Novel Cephalosporins Selectively Active on Nonreplicating Mycobacterium tuberculosis. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 6027-44	8.3	33
592	A Novel Multichannel Wrist Pulse System With Different Sensor Arrays. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015 , 64, 2020-2034	5.2	32
591	A unified distance measurement for orientation coding in palmprint verification. <i>Neurocomputing</i> , 2010 , 73, 944-950	5.4	32
590	A generalised K-L expansion method which can deal with small sample size and high-dimensional problems. <i>Pattern Analysis and Applications</i> , 2003 , 6, 47-54	2.3	32
589	. <i>IEEE Sensors Journal</i> , 2016 , 16, 4919-4931	4	32
588	Simultaneous Fidelity and Regularization Learning for Image Restoration. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 284-299	13.3	32
587	. <i>IEEE Sensors Journal</i> , 2016 , 16, 464-474	4	31
586	3D fingerprint reconstruction system using feature correspondences and prior estimated finger model. <i>Pattern Recognition</i> , 2014 , 47, 178-193	7.7	31
585	Object separation by polarimetric and spectral imagery fusion. <i>Computer Vision and Image Understanding</i> , 2009 , 113, 855-866	4.3	31
584	Hybrid image coding based on partial fractal mapping. <i>Signal Processing: Image Communication</i> , 2000 , 15, 767-779	2.8	31
583	Deep Cascade Model based Face Recognition: When Deep-layered Learning Meets Small Data. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	31
582	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 242-254	7.3	30
581	Recurrent TERT promoter mutations in urothelial carcinoma and potential clinical applications. <i>Annals of Diagnostic Pathology</i> , 2016 , 21, 7-11	2.2	30
580	Combination of heterogeneous features for wrist pulse blood flow signal diagnosis via multiple kernel learning. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012 , 16, 598-606		30
579	Data Infrastructure at LinkedIn 2012 ,		30
578	A Benchmark for Geometric Facial Beauty Study. <i>Lecture Notes in Computer Science</i> , 2010 , 21-32	0.9	30

577	A high quality color imaging system for computerized tongue image analysis. <i>Expert Systems With Applications</i> , 2013 , 40, 5854-5866	7.8	29
576	Detection and toxin typing of <i>Clostridium perfringens</i> in formalin-fixed, paraffin-embedded tissue samples by PCR. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 807-10	9.7	29
575	A parameterized direct LDA and its application to face recognition. <i>Neurocomputing</i> , 2007 , 71, 191-196	5.4	29
574	Robust filtering under stochastic parametric uncertainties. <i>Automatica</i> , 2004 , 40, 1583-1589	5.7	29
573	Label Co-Occurrence Learning With Graph Convolutional Networks for Multi-Label Chest X-Ray Image Classification. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2292-2302	7.2	28
572	Domain class consistency based transfer learning for image classification across domains. <i>Information Sciences</i> , 2017 , 418-419, 242-257	7.7	28
571	A novel hierarchical fingerprint matching approach. <i>Pattern Recognition</i> , 2011 , 44, 1604-1613	7.7	28
570	A cryptosystem based on palmprint feature 2008 ,		28
569	Computational Intelligence-Based Biometric Technologies. <i>IEEE Computational Intelligence Magazine</i> , 2007 , 2, 26-36	5.6	28
568	Touchless Multiview Fingerprint Acquisition and Mosaicking. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013 , 62, 2492-2502	5.2	27
567	Natura-alpha targets forkhead box m1 and inhibits androgen-dependent and -independent prostate cancer growth and invasion. <i>Clinical Cancer Research</i> , 2011 , 17, 4414-24	12.9	27
566	Face recognition based on discriminant fractional Fourier feature extraction. <i>Pattern Recognition Letters</i> , 2006 , 27, 1465-1471	4.7	27
565	COMBINING FINGERPRINT, PALMPRINT AND HAND-SHAPE FOR USER AUTHENTICATION 2006 ,		27
564	When Faces Are Combined with Palmprints: A Novel Biometric Fusion Strategy. <i>Lecture Notes in Computer Science</i> , 2004 , 701-707	0.9	27
563	Comparison of Three Different Types of Wrist Pulse Signals by Their Physical Meanings and Diagnosis Performance. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016 , 20, 119-27	7.2	26
562	Time Series Classification Using Support Vector Machine with Gaussian Elastic Metric Kernel 2010 ,		26
561	Relaxed collaborative representation for pattern classification 2012 ,		26
560	An Iris Cryptosystem for Information Security 2008 ,		26

559	Palmprint Texture Analysis Using Derivative of Gaussian Filters 2006 ,		26
558	Two-phase linear reconstruction measure-based classification for face recognition. <i>Information Sciences</i> , 2018 , 433-434, 17-36	7.7	25
557	Joint discriminative and collaborative representation for fatty liver disease diagnosis. <i>Expert Systems With Applications</i> , 2017 , 89, 31-40	7.8	25
556	Palm-Print Classification by Global Features. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 370-378	7.3	25
555	EVALUATE DISSIMILARITY OF SAMPLES IN FEATURE SPACE FOR IMPROVING KPCA. <i>International Journal of Information Technology and Decision Making</i> , 2011 , 10, 479-495	2.8	25
554	Multiscale competitive code for efficient palmprint recognition 2008 ,		25
553	UNCORRELATED PROJECTION DISCRIMINANT ANALYSIS AND ITS APPLICATION TO FACE IMAGE FEATURE EXTRACTION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2003 , 17, 1325-1347	1.1	25
552	Hand shape recognition based on coherent distance shape contexts. <i>Pattern Recognition</i> , 2012 , 45, 3348-3359	7.7	24
551	Analysis of brute-force break-ins of a palmprint authentication system. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 1201-5		24
550	Palmprint Authentication Based on Orientation Code Matching. <i>Lecture Notes in Computer Science</i> , 2005 , 555-562	0.9	24
549	Comparison of DNA and RNA extraction methods for mummified tissues. <i>Molecular and Cellular Probes</i> , 2002 , 16, 445-51	3.3	24
548	Combining 2D and 3D hand geometry features for biometric verification 2009 ,		23
547	Real-time palmprint acquisition system design. <i>IET Computer Vision</i> , 2005 , 152, 527		23
546	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 2391-2403	6.6	22
545	3D palmprint identification combining blocked ST and PCA. <i>Pattern Recognition Letters</i> , 2017 , 100, 89-95	4.7	22
544	An Optimal Pulse System Design by Multichannel Sensors Fusion. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016 , 20, 450-9	7.2	22
543	MonogenicCode: A Novel Fast Feature Coding Algorithm with Applications to Finger-Knuckle-Print Recognition 2010 ,		22
542	Palmprint Verification using Complex Wavelet Transform 2007 ,		22

541	HMMs Based Palmprint Identification. <i>Lecture Notes in Computer Science</i> , 2004 , 775-781	0.9	22
540	UODV: improved algorithm and generalized theory. <i>Pattern Recognition</i> , 2003 , 36, 2593-2602	7.7	22
539	A salt & pepper noise filter based on local and global image information. <i>Neurocomputing</i> , 2015 , 159, 172-185	5.4	21
538	Complete Binary Representation for 3-D Palmprint Recognition. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018 , 67, 2761-2771	5.2	21
537	Complete large margin linear discriminant analysis using mathematical programming approach. <i>Pattern Recognition</i> , 2013 , 46, 1579-1594	7.7	21
536	Sequential row-column independent component analysis for face recognition. <i>Neurocomputing</i> , 2009 , 72, 1152-1159	5.4	21
535	Empirical study of light source selection for palmprint recognition. <i>Pattern Recognition Letters</i> , 2011 , 32, 120-126	4.7	21
534	Classification of Pulse Waveforms Using Edit Distance with Real Penalty. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	21
533	Dynamic tongueprint: A novel biometric identifier. <i>Pattern Recognition</i> , 2010 , 43, 1071-1082	7.7	21
532	Ear authentication using Log-Gabor wavelets 2007 ,		21
531	Facial beauty analysis based on geometric feature: Toward attractiveness assessment application. <i>Expert Systems With Applications</i> , 2017 , 82, 252-265	7.8	20
530	Fast total-variation based image restoration based on derivative alternated direction optimization methods. <i>Neurocomputing</i> , 2015 , 170, 201-212	5.4	20
529	Robust tongue segmentation by fusing region-based and edge-based approaches. <i>Expert Systems With Applications</i> , 2015 , 42, 8027-8038	7.8	20
528	Ear-parotic face angle: A unique feature for 3D ear recognition. <i>Pattern Recognition Letters</i> , 2015 , 53, 9-15	4.7	20
527	Fingerprint Pore Matching Based on Sparse Representation 2010 ,		20
526	Monogenic Binary Pattern (MBP): A Novel Feature Extraction and Representation Model for Face Recognition 2010 ,		20
525	On accurate orientation extraction and appropriate distance measure for low-resolution palmprint recognition. <i>Pattern Recognition</i> , 2011 , 44, 964-972	7.7	20
524	Post-processed LDA for face and palmprint recognition: What is the rationale. <i>Signal Processing</i> , 2010 , 90, 2344-2352	4.4	20

523	Combination of two novel LDA-based methods for face recognition. <i>Neurocomputing</i> , 2007 , 70, 735-742	5.4	20
522	Image alignment based on invariant features for palmprint identification. <i>Signal Processing: Image Communication</i> , 2003 , 18, 373-379	2.8	20
521	Impulse noise removal using polynomial approximation. <i>Optical Engineering</i> , 1998 , 37, 1275	1.1	20
520	Feature Extraction for 3-D Palmprint Recognition: A Survey. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 1-1	5.2	19
519	A Novel Medical E-Nose Signal Analysis System. <i>Sensors</i> , 2017 , 17,	3.8	19
518	Joint Registration and Active Contour Segmentation for Object Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1589-1597	6.4	19
517	Tongue color analysis for medical application. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013 , 2013, 264742	2.3	19
516	Texture classification via patch-based sparse texton learning 2010 ,		19
515	Three Dimensional Palmprint Recognition using Structured Light Imaging 2008 ,		19
514	Face recognition based on a novel linear discriminant criterion. <i>Pattern Analysis and Applications</i> , 2007 , 10, 165-174	2.3	19
513	A snake-based approach to automated segmentation of tongue image using polar edge detector. <i>International Journal of Imaging Systems and Technology</i> , 2006 , 16, 103-112	2.5	19
512	Fusion of phase and orientation information for palmprint authentication. <i>Pattern Analysis and Applications</i> , 2006 , 9, 103-111	2.3	19
511	Mesh simplification with hierarchical shape analysis and iterative edge contraction. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2004 , 10, 142-51	4	19
510	Rotation-invariant nonrigid point set matching in cluttered scenes. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 2786-97	8.7	18
509	Supervised and Unsupervised Parallel Subspace Learning for Large-Scale Image Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 1497-1511	6.4	18
508	Modified local entropy-based transition region extraction and thresholding. <i>Applied Soft Computing Journal</i> , 2011 , 11, 5630-5638	7.5	18
507	A novel face recognition system using hybrid neural and dual eigenspaces methods. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2002 , 32, 787-793		18
506	Computer Models for Facial Beauty Analysis 2016 ,		18

505	Deep Location-Specific Tracking 2017 ,		17
504	Partial Deconvolution With Inaccurate Blur Kernel. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 511-524	5.4	17
503	High resolution fingerprint recognition using pore and edge descriptors. <i>Pattern Recognition Letters</i> , 2019 , 125, 773-779	4.7	17
502	Optimal subset-division based discrimination and its kernelization for face and palmprint recognition. <i>Pattern Recognition</i> , 2012 , 45, 3590-3602	7.7	17
501	An optimized palmprint recognition approach based on image sharpness. <i>Pattern Recognition Letters</i> , 2017 , 85, 65-71	4.7	17
500	A new tongue colorchecker design by space representation for precise correction. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013 , 17, 381-91	7.2	17
499	A linear subspace learning approach via sparse coding 2011 ,		17
498	Three dimensional palmprint recognition 2009 ,		17
497	Adaptive pore model for fingerprint pore extraction 2008 ,		17
496	. <i>IEEE Access</i> , 2018 , 6, 75748-75766	3.5	17
495	Learning acoustic features to detect Parkinson's disease. <i>Neurocomputing</i> , 2018 , 318, 102-108	5.4	17
494	DS-TransUNet: Dual Swin Transformer U-Net for Medical Image Segmentation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	17
493	A novel sensor feature extraction based on kernel entropy component analysis for discrimination of indoor air contaminants. <i>Sensors and Actuators A: Physical</i> , 2015 , 234, 143-149	3.9	16
492	Efficient and Effective Context-Based Convolutional Entropy Modeling for Image Compression. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	16
491	. <i>IEEE Transactions on Affective Computing</i> , 2018 , 9, 205-216	5.7	16
490	Structurally Incoherent Low-Rank 2DLPP for Image Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 1701-1714	6.4	16
489	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012 , 61, 1966-1978	5.2	16
488	Distance Metric Learning via Iterated Support Vector Machines. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4937-4950	8.7	16

487	A novel face recognition approach based on kernel discriminative common vectors (KDCV) feature extraction and RBF neural network. <i>Neurocomputing</i> , 2008 , 71, 3044-3048	5.4	16
486	Arrhythmic Pulses Detection Using Lempel-Ziv Complexity Analysis. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006 , 2006, 1	1.9	16
485	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
484	A novel line scan clustering algorithm for identifying connected components in digital images. <i>Image and Vision Computing</i> , 2003 , 21, 459-472	3.7	16
483	Efficient Misalignment-Robust Representation for Real-Time Face Recognition. <i>Lecture Notes in Computer Science</i> , 2012 , 850-863	0.9	16
482	Designing and training of a dual CNN for image denoising. <i>Knowledge-Based Systems</i> , 2021 , 226, 106949	7.3	16
481	A Novel Method for Coarse Iris Classification. <i>Lecture Notes in Computer Science</i> , 2005 , 404-410	0.9	16
480	Shared Autoencoder Gaussian Process Latent Variable Model for Visual Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 4272-4286	10.3	15
479	Facial image medical analysis system using quantitative chromatic feature. <i>Expert Systems With Applications</i> , 2013 , 40, 3738-3746	7.8	15
478	Computerized facial diagnosis using both color and texture features. <i>Information Sciences</i> , 2013 , 221, 49-59	7.7	15
477	A comparative study on quality assessment of high resolution fingerprint images 2010 ,		15
476	An efficient method for computing orthogonal discriminant vectors. <i>Neurocomputing</i> , 2010 , 73, 2168-2174	7.4	15
475	Body surface feature-based multi-modal Learning for Diabetes Mellitus detection. <i>Information Sciences</i> , 2019 , 472, 1-14	7.7	15
474	AdvKin: Adversarial Convolutional Network for Kinship Verification. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	14
473	SVM and ELM: Who Wins? Object Recognition with Deep Convolutional Features from ImageNet. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 249-263	0.2	14
472	Iris-based medical analysis by geometric deformation features. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013 , 17, 223-31	7.2	14
471	Fast gradient vector flow computation based on augmented Lagrangian method. <i>Pattern Recognition Letters</i> , 2013 , 34, 219-225	4.7	14
470	Improving the interest operator for face recognition. <i>Expert Systems With Applications</i> , 2009 , 36, 9719-9728	7.8	14

469	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
468	Fast palmprint identification with multiple templates per subject. <i>Pattern Recognition Letters</i> , 2011 , 32, 1108-1118	4.7	14
467	Independent components extraction from image matrix. <i>Pattern Recognition Letters</i> , 2010 , 31, 171-178	4.7	14
466	Biometric Recognition Using Feature Selection and Combination. <i>Lecture Notes in Computer Science</i> , 2005 , 813-822	0.9	14
465	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2005 , 35, 273-275		14
464	An Analysis on Accuracy of Cancelable Biometrics Based on BioHashing. <i>Lecture Notes in Computer Science</i> , 2005 , 1168-1172	0.9	14
463	Line feature extraction and matching in palmprint 2002 , 4875, 583		14
462	Correcting Instrumental Variation and Time-Varying Drift Using Parallel and Serial Multitask Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 2306-2316	5.2	13
461	Resource Allocation in LTE OFDMA Systems Using Genetic Algorithm and Semi-Smart Antennas 2010 ,		13
460	Median LDA: A Robust Feature Extraction Method for Face Recognition 2006 ,		13
459	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2005 , 35, 546-555		13
458	Orientation analysis for rotated human face detection. <i>Image and Vision Computing</i> , 2002 , 20, 257-264	3.7	13
457	Improvements on the linear discrimination technique with application to face recognition. <i>Pattern Recognition Letters</i> , 2003 , 24, 2695-2701	4.7	13
456	Scale-orientation histogram for texture image retrieval. <i>Pattern Recognition</i> , 2003 , 36, 1061-1063	7.7	13
455	Secure program execution via dynamic information flow tracking. <i>Operating Systems Review (ACM)</i> , 2004 , 38, 85-96	0.8	13
454	Lesion Location Attention Guided Network for Multi-Label Thoracic Disease Classification in Chest X-Rays. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2016-2027	7.2	13
453	Individualized learning for improving kernel Fisher discriminant analysis. <i>Pattern Recognition</i> , 2016 , 58, 100-109	7.7	13
452	Asymmetric CNN for Image Superresolution. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7.3	13

451	Generalized Feature Extraction for Wrist Pulse Analysis: From 1-D Time Series to 2-D Matrix. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017 , 21, 978-985	7.2	12
450	Feature Band Selection for Multispectral Palmprint Recognition 2010 ,		12
449	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
448	Sparse representation-based classification for breath sample identification. <i>Sensors and Actuators B: Chemical</i> , 2011 , 158, 43-53	8.5	12
447	A performance evaluation of filter design and coding schemes for palmprint recognition 2008 ,		12
446	Three-dimensional surface registration: A neural network strategy. <i>Neurocomputing</i> , 2006 , 70, 597-602	5.4	12
445	Face recognition based on a group decision-making combination approach. <i>Pattern Recognition</i> , 2003 , 36, 1675-1678	7.7	12
444	. <i>IEEE Journal of Solid-State Circuits</i> , 1994 , 29, 14-22	5.5	12
443	Survey of Palmprint Recognition Algorithms. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010 , 36, 353-365		12
442	Horizontal and Vertical Nuclear Norm-Based 2DLDA for Image Representation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 941-955	6.4	12
441	A Novel Multicamera System for High-Speed Touchless Palm Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 1534-1548	7.3	12
440	Multispectral Biometrics Systems 2016 , 23-35		11
439	Video action recognition with spatio-temporal graph embedding and spline modeling 2010 ,		11
438	A highly scalable incremental facial feature extraction method. <i>Neurocomputing</i> , 2008 , 71, 1883-1888	5.4	11
437	Directional independent component analysis with tensor representation 2008 ,		11
436	The theoretical analysis of GLRAM and its applications. <i>Pattern Recognition</i> , 2007 , 40, 1032-1041	7.7	11
435	A Tongue-Print Image Database for Recognition 2007 ,		11
434	On-Line Signature Verification Based on PCA (Principal Component Analysis) and MCA (Minor Component Analysis). <i>Lecture Notes in Computer Science</i> , 2004 , 540-546	0.9	11

433	Integrating shape and texture for hand verification		11
432	Color texture extraction from fringe image based on full-field projection. <i>Optical Engineering</i> , 2003 , 42, 1935	1.1	11
431	Improving texture analysis performance in biometrics by adjusting image sharpness. <i>Pattern Recognition</i> , 2017 , 66, 16-25	7.7	10
430	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 4807-4816	5.2	10
429	MetricFusion: Generalized metric swarm learning for similarity measure. <i>Information Fusion</i> , 2016 , 30, 80-90	16.7	10
428	Learning Parts-Based and Global Representation for Image Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 3345-3360	6.4	10
427	Image denoising and zooming under the linear minimum mean square-error estimation framework. <i>IET Image Processing</i> , 2012 , 6, 273	1.7	10
426	Is local dominant orientation necessary for the classification of rotation invariant texture?. <i>Neurocomputing</i> , 2013 , 116, 182-191	5.4	10
425	Holistic orthogonal analysis of discriminant transforms for color face recognition 2010 ,		10
424	Diabetes Identification and Classification by Means of a Breath Analysis System. <i>Lecture Notes in Computer Science</i> , 2010 , 52-63	0.9	10
423	A study of hand back skin texture patterns for personal identification and gender classification. <i>Sensors</i> , 2012 , 12, 8691-709	3.8	10
422	A novel approach for reduction of blocking effects in low-bit-rate image compression. <i>IEEE Transactions on Communications</i> , 1998 , 46, 732-734	6.9	10
421	A joint demosaicking/zooming scheme for single chip digital color cameras. <i>Computer Vision and Image Understanding</i> , 2007 , 107, 14-25	4.3	10
420	Palm-line detection 2005 ,		10
419	Adaptive baseline wander removal in the pulse waveform		10
418	Facial Expression Recognition in the Wild Using Multi-level Features and Attention Mechanisms. <i>IEEE Transactions on Affective Computing</i> , 2020 , 1-1	5.7	10
417	Fingerprint Pore Comparison Using Local Features and Spatial Relations. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 2927-2940	6.4	10
416	Joint learning for voice based disease detection. <i>Pattern Recognition</i> , 2019 , 87, 130-139	7.7	10

415	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
414	Asymmetric Gaussian Process multi-view learning for visual classification. <i>Information Fusion</i> , 2021 , 65, 108-118	16.7	10
413	Scaled Simplex Representation for Subspace Clustering. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1493-1505	10.5	10
412	Dual Asymmetric Deep Hashing Learning. <i>IEEE Access</i> , 2019 , 7, 113372-113384	3.5	9
411	Application of complex extreme learning machine to multiclass classification problems with high dimensionality: A THz spectra classification problem 2015 , 40, 40-52		9
410	Learning Content-Weighted Deep Image Compression. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 3446-3461	13.3	9
409	3D Biometrics 2013 ,		9
408	Face recognition based on local uncorrelated and weighted global uncorrelated discriminant transforms 2011 ,		9
407	A THEORETICAL FRAMEWORK FOR MATRIX-BASED FEATURE EXTRACTION ALGORITHMS WITH ITS APPLICATION TO IMAGE RECOGNITION. <i>International Journal of Image and Graphics</i> , 2008 , 08, 1-23	0.5	9
406	Improved Bounds on the $L(2,1)$ -Number of Direct and Strong Products of Graphs. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 685-689	3.5	9
405	Locally principal component learning for face representation and recognition. <i>Neurocomputing</i> , 2006 , 69, 1697-1701	5.4	9
404	Tongue-Print: A Novel Biometrics Pattern. <i>Lecture Notes in Computer Science</i> , 2007 , 1174-1183	0.9	9
403	Face recognition based on linear classifiers combination. <i>Neurocomputing</i> , 2003 , 50, 485-488	5.4	9
402	Improvements on the uncorrelated optimal discriminant vectors. <i>Pattern Recognition</i> , 2003 , 36, 1921-1937	7.7	9
401	Palmprint authentication using multiple classifiers 2004 ,		9
400	KNOWLEDGE-BASED FINGERPRINT POST-PROCESSING. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2002 , 16, 53-67	1.1	9
399	A fuzzy clustering neural networks (FCNs) system design methodology. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 1174-7		9
398	Case study of 3D fingerprints applications. <i>PLoS ONE</i> , 2017 , 12, e0175261	3.7	9

397	Features fusion of multichannel wrist pulse signal based on KL-MGDCCA and decision level combination. <i>Biomedical Signal Processing and Control</i> , 2020 , 57, 101751	4.9	9
396	Person Recognition Using 3-D Palmprint Data Based on Full-Field Sinusoidal Fringe Projection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 3287-3298	5.2	9
395	Tongue Image Analysis 2017 ,		8
394	Combining a causal effect criterion for evaluation of facial attractiveness models. <i>Neurocomputing</i> , 2016 , 177, 98-109	5.4	8
393	Quadratic projection based feature extraction with its application to biometric recognition. <i>Pattern Recognition</i> , 2016 , 56, 40-49	7.7	8
392	Design and implementation of a multi-channel pulse signal acquisition system 2012 ,		8
391	Competitive codeBased fast palmprint identification using a set of cover trees. <i>Optical Engineering</i> , 2009 , 48, 067204	1.1	8
390	A novel breath analysis system for diabetes diagnosis 2012 ,		8
389	VLSI compressor design with applications to digital neural networks. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 1997 , 5, 230-233	2.6	8
388	Fusion of Palmprint and Iris for Personal Authentication. <i>Lecture Notes in Computer Science</i> , 2007 , 466-475	5.9	8
387	Comments on "on image matrix based feature extraction algorithms". <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1373-4		8
386	Distance metric learning by knowledge embedding. <i>Pattern Recognition</i> , 2004 , 37, 161-163	7.7	8
385	. <i>IEEE Transactions on Circuits and Systems</i> , 1990 , 37, 1048-1052		8
384	Domain Adaptation Transfer Extreme Learning Machines. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 103-119	0.2	8
383	3D Ear Reconstruction Attempts: Using Multi-view 2006 , 578-583		8
382	A Multi-scale Bilateral Structure Tensor Based Corner Detector. <i>Lecture Notes in Computer Science</i> , 2010 , 618-627	0.9	8
381	Layer-Output Guided Complementary Attention Learning for Image Defocus Blur Detection. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 3748-3763	8.7	8
380	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

379	A Novel Line-Scan Palmprint Acquisition System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1481-1491	7.3	7
378	GMAT: Glottal closure instants detection based on the Multiresolution Absolute Teager-Kaiser energy operator 2017 , 69, 286-299		7
377	A New Hypothesis on Facial Beauty Perception. <i>ACM Transactions on Applied Perception</i> , 2014 , 11, 1-20	1.4	7
376	Sparse cost-sensitive classifier with application to face recognition 2011 ,		7
375	Analysis of pulse waveforms preprocessing 2012 ,		7
374	Dark line detection with line width extraction 2008 ,		7
373	The . <i>Applied Mathematics Letters</i> , 2008 , 21, 37-41	3.5	7
372	Median Fisher Discriminator: a robust feature extraction method with applications to biometrics. <i>Frontiers of Computer Science</i> , 2008 , 2, 295-305		7
371	A novel dimensionality-reduction approach for face recognition. <i>Neurocomputing</i> , 2006 , 69, 1683-1687	5.4	7
370	FIVE NEW FEATURE SELECTION METRICS IN TEXT CATEGORIZATION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2007 , 21, 1085-1101	1.1	7
369	Finite horizon $H/\sub /spl infin//$ fixed-lag smoothing for time-varying continuous systems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 496-499		7
368	PALMPRINT AUTHENTICATION SYSTEM 2005 , 431-444		7
367	Palmprint Recognition Based on Translation Invariant Zernike Moments and Modular Neural Network. <i>Lecture Notes in Computer Science</i> , 2005 , 177-182	0.9	7
366	Singular Points Analysis in Fingerprints Based on Topological Structure and Orientation Field. <i>Lecture Notes in Computer Science</i> , 2007 , 261-270	0.9	7
365	Advanced Biometrics 2018 ,		7
364	Patch Group Based Bayesian Learning for Blind Image Denoising. <i>Lecture Notes in Computer Science</i> , 2017 , 79-95	0.9	7
363	A Comparative Study of Color Correction Algorithms for Tongue Image Inspection. <i>Lecture Notes in Computer Science</i> , 2010 , 392-402	0.9	7
362	Multiscale Sample Entropy Analysis of Wrist Pulse Blood Flow Signal for Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2013 , 475-482	0.9	7

361	Optimal Projection Guided Transfer Hashing for Image Retrieval. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 3788-3802	6.4	7
360	Shared Linear Encoder-Based Multikernel Gaussian Process Latent Variable Model for Visual Classification. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 534-547	10.2	7
359	Electronic Nose: Algorithmic Challenges 2018 ,		7
358	Computational Pulse Signal Analysis 2018 ,		7
357	Joint distance and similarity measure learning based on triplet-based constraints. <i>Information Sciences</i> , 2017 , 406-407, 119-132	7.7	6
356	Tongue Image Alignment via Conformal Mapping for Disease Detection. <i>IEEE Access</i> , 2020 , 8, 9796-9808	3.5	6
355	. <i>IEEE Transactions on Information Forensics and Security</i> , 2013 , 8, 1446-1455	8	6
354	Evaluation of the Putative Ratio Rules for Facial Beauty Indexing 2014 ,		6
353	Accelerating the kernel-method-based feature extraction procedure from the viewpoint of numerical approximation. <i>Neural Computing and Applications</i> , 2011 , 20, 1087-1096	4.8	6
352	ICP registration using principal line and orientation features for palmprint alignment 2010 ,		6
351	Human hand identification with 3D hand pose variations 2010 ,		6
350	2011 ,		6
349	Optimal wavelength band clustering for multispectral iris recognition. <i>Applied Optics</i> , 2012 , 51, 4275-84	1.7	6
348	Dual eigenspace method for human face recognition. <i>Electronics Letters</i> , 1997 , 33, 283	1.1	6
347	Multispectral palmprint recognition using wavelet-based image fusion 2008 ,		6
346	A New Approach to the $L(2,1)$ -Labeling of Some Products of Graphs. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 802-805	3.5	6
345	Block Independent Component Analysis for Face Recognition 2007 ,		6
344	Interest filter vs. interest operator: Face recognition using Fisher linear discriminant based on interest filter representation. <i>Pattern Recognition Letters</i> , 2008 , 29, 1849-1857	4.7	6

343	INTEGRATING SHAPE AND TEXTURE FOR HAND VERIFICATION. <i>International Journal of Image and Graphics</i> , 2006 , 06, 101-113	0.5	6
342	A Novel Palm-Line Detector. <i>Lecture Notes in Computer Science</i> , 2005 , 563-571	0.9	6
341	What is wrong with mesh PCA in coordinate direction normalization. <i>Pattern Recognition</i> , 2006 , 39, 2244-2247	7.2	6
340	Wavelet-based feature extraction for palmprint identification 2002 ,		6
339	A novel text-independent speaker verification method based on the global speaker model. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2000 , 30, 598-602		6
338	Combining 2D and 3D hand geometry features for biometric verification		6
337	Online 3D Ear Recognition by Combining Global and Local Features. <i>PLoS ONE</i> , 2016 , 11, e0166204	3.7	6
336	Kernel False-Colour Transformation and Line Extraction for Fissured Tongue Image. <i>Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics</i> , 2010 , 22, 771-776	0.6	6
335	A Palmprint Cryptosystem. <i>Lecture Notes in Computer Science</i> , 2007 , 1035-1042	0.9	6
334	Door Knob Hand Recognition System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2870-2881	7.3	5
333	Discriminative Learning in Biometrics 2016 ,		5
332	Introduction to the Special Section on Biometric Systems and Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 1457-1460	7.3	5
331	Gaussian ERP Kernel Classifier for Pulse Waveforms Classification 2010 ,		5
330	Pattern Classification for Doppler Ultrasonic Wrist Pulse Signals 2009 ,		5
329	Face Recognition Based on Nonlinear DCT Discriminant Feature Extraction Using Improved Kernel DCV. <i>IEICE Transactions on Information and Systems</i> , 2009 , E92-D, 2527-2530	0.6	5
328	Tongue line extraction 2008 ,		5
327	Robust kernel discriminant analysis and its application to feature extraction and recognition. <i>Neurocomputing</i> , 2006 , 69, 928-933	5.4	5
326	Does EigenPalm work? A System and Evaluation Perspective 2006 ,		5

325	A fast evolutionary pursuit algorithm based on linearly combining vectors. <i>Pattern Recognition</i> , 2006 , 39, 310-312	7.7	5
324	Online Palmprint Identification System for Civil Applications. <i>Journal of Computer Science and Technology</i> , 2005 , 20, 70-76	1.7	5
323	Is ICA significantly better than PCA for face recognition? 2005 ,		5
322	Algorithm of automatic cartridge identification. <i>Optical Engineering</i> , 2001 , 40, 2860	1.1	5
321	Shared Linear Encoder-based Gaussian Process Latent Variable Model for Visual Classification 2018 ,		5
320	A Study of Identical Twins' Palmprints for Personal Authentication. <i>Lecture Notes in Computer Science</i> , 2005 , 668-674	0.9	5
319	Modular Neural Networks and Their Applications in Biometrics 2007 , 337-365		5
318	Jointly learning compact multi-view hash codes for few-shot FKP recognition. <i>Pattern Recognition</i> , 2021 , 115, 107894	7.7	5
317	Multi-Label Chest X-ray Image Classification via Semantic Similarity Graph Embedding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	5
316	Robust Recognition of Noisy and Partially Occluded Faces Using Iteratively Reweighted Fitting of Eigenfaces. <i>Lecture Notes in Computer Science</i> , 2006 , 844-851	0.9	5
315	Dorsal Hand Recognition 2016 , 165-186		4
314	Synthesis and Antibacterial Evaluation of Cephalosporin Isosteres. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 1053-1057	3	4
313	Similarity and diversity induced paired projection for cross-modal retrieval. <i>Information Sciences</i> , 2020 , 539, 215-228	7.7	4
312	Visual Classification With Multikernel Shared Gaussian Process Latent Variable Model. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2886-2899	10.2	4
311	Combination of linear regression classification and collaborative representation classification. <i>Neural Computing and Applications</i> , 2014 , 25, 833-838	4.8	4
310	Sensor Evaluation in a Breath Analysis System 2014 ,		4
309	An additive convolution model for fast restoration of nonuniform blurred images. <i>International Journal of Computer Mathematics</i> , 2014 , 91, 2446-2466	1.2	4
308	Feature Extraction of Radial Arterial Pulse 2014 ,		4

307	. <i>IEEE Transactions on Information Forensics and Security</i> , 2013 , 8, 64-75	8	4
306	Second-Level Partition for Estimating FAR Confidence Intervals in Biometric Systems. <i>Lecture Notes in Computer Science</i> , 2009 , 58-65	0.9	4
305	Discriminant subclass-center manifold preserving projection for face feature extraction 2011 ,		4
304	An augmented Lagrangian method for fast gradient vector flow computation 2011 ,		4
303	Band Selection for Improvement of Dorsal Hand Recognition 2011 ,		4
302	A multimodal biometric authentication system based on 2D and 3D palmprint features 2008 ,		4
301	Detecting Iris Lacunae Based on Gaussian Filter 2007 ,		4
300	SVR based color calibration for tongue image 2005 ,		4
299	A linear edge model and its application in lossless image coding. <i>Signal Processing: Image Communication</i> , 2004 , 19, 955-958	2.8	4
298	Self-synchronizing watermarking scheme for an arbitrarily shaped object. <i>Pattern Recognition</i> , 2003 , 36, 2737-2741	7.7	4
297	Regularization of LDA for Face Recognition: A Post-processing Approach. <i>Lecture Notes in Computer Science</i> , 2005 , 377-391	0.9	4
296	Fuzzy Clustering Neural Network (FCNN): Competitive Learning and Parallel Architecture. <i>Journal of Intelligent and Fuzzy Systems</i> , 1994 , 2, 289-298	1.6	4
295	Innovative Contactless Palmprint Recognition System Based on Dual-Camera Alignment. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-13	7.3	4
294	MULTISCALE WAVELET TEXTURE BASED IRIS VERIFICATION 2003 ,		4
293	Revealing the Secret of FaceHashing. <i>Lecture Notes in Computer Science</i> , 2005 , 106-112	0.9	4
292	Extracting Tongue Cracks Using the Wide Line Detector. <i>Lecture Notes in Computer Science</i> , 2007 , 49-56	0.9	4
291	Finger-Knuckle-Print Verification with Score Level Adaptive Binary Fusion 2018 , 151-174		4
290	Relaxed Asymmetric Deep Hashing Learning: Point-to-Angle Matching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4791-4805	10.3	4

289	. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7045-7060	8.7	4
288	Semantic-Interactive Graph Convolutional Network for Multilabel Image Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7.3	4
287	Deep-Masking Generative Network: A Unified Framework for Background Restoration From Superimposed Images. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 4867-4882	8.7	4
286	Detecting Diabetes Mellitus and Nonproliferative Diabetic Retinopathy Using CTD 2017 , 303-325		3
285	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 198-211	5.2	3
284	Multiscale Conditional Regularization for Convolutional Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	3
283	A Coordinate Descent Method for Total Variation Minimization. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-13	1.1	3
282	An Effective 3D Ear Acquisition System. <i>PLoS ONE</i> , 2015 , 10, e0129439	3.7	3
281	Blood glucose prediction by breath analysis system with feature selection and model fusion. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6406-9	0.9	3
280	Face feature extraction and recognition based on discriminant subclass-center manifold preserving projection. <i>Pattern Recognition Letters</i> , 2012 , 33, 709-717	4.7	3
279	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 1154-1166	7.3	3
278	A novel kernel discriminant feature extraction framework based on mapped virtual samples for face recognition 2011 ,		3
277	IMPACT OF FULL RANK PRINCIPAL COMPONENT ANALYSIS ON CLASSIFICATION ALGORITHMS FOR FACE RECOGNITION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2012 , 26, 1256005	1.1	3
276	Comments on "An Adaptive Multimodal Biometric Management Algorithm. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 841-843		3
275	Incorporating user quality for performance improvement in hand identification 2008 ,		3
274	Establishing the credibility of a biotech simulation model 2008 ,		3
273	Palmprint identification based on directional representation. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008 ,	2	3
272	Extracting the autonomic nerve wreath of iris based on an improved snake approach. <i>Neurocomputing</i> , 2007 , 70, 743-748	5.4	3

271	Improved upper bounds on the L(2,1) -labeling of the skew and converse skew product graphs. <i>Theoretical Computer Science</i> , 2008 , 400, 230-233	1.1	3
270	Dual relations in physical and cyber space. <i>Science Bulletin</i> , 2006 , 51, 121-128		3
269	2007 ,		3
268	Combining Left and Right Irises for Personal Authentication. <i>Lecture Notes in Computer Science</i> , 2007 , 145-152	0.9	3
267	A Spherical Rectification for Dual-PTZ-Camera System 2007 ,		3
266	A New Approach to Automated Retinal Vessel Segmentation Using Multiscale Analysis 2006 ,		3
265	Mesh parameterization by minimizing the synthesized distortion metric with the coefficient-optimizing algorithm. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2006 , 12, 83-92	4	3
264	Fusion of Multiple Features for Palmprint Authentication 2006 ,		3
263	2006 ,		3
262	Parameter by Parameter Algorithm for Multilayer Perceptrons. <i>Neural Processing Letters</i> , 2006 , 23, 229-242		3
261	A new LDA-KL combined method for feature extraction and its generalisation. <i>Pattern Analysis and Applications</i> , 2004 , 7, 40	2.3	3
260	Parallel biometrics computing using mobile agents 2003 ,		3
259	An uncorrelated fisherface approach. <i>Neurocomputing</i> , 2005 , 67, 328-334	5.4	3
258	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2000 , 30, 265-275		3
257	Multimodal Emotion Recognition With Temporal and Semantic Consistency. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021 , 29, 3592-3603	3.6	3
256	Multi-View Speech Emotion Recognition Via Collective Relation Construction. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2022 , 30, 218-229	3.6	3
255	Finger-Knuckle-Print Verification 2018 , 85-109		3
254	Adaptive Weighted Fusion of Local Kernel Classifiers for Effective Pattern Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 63-70	0.9	3

253	A Derivative Augmented Lagrangian Method for Fast Total Variation Based Image Restoration. <i>Lecture Notes in Computer Science</i> , 2013 , 287-294	0.9	3
252	Tongue Color Analysis for Medical Application 2017 , 207-223		3
251	Generalized Feature Extraction for Wrist Pulse Analysis: From 1-D Time Series to 2-D Matrix 2018 , 169-189		3
250	Breath Analysis for Medical Applications 2017 ,		3
249	A Transfer Learning Approach for Correcting Instrumental Variation and Time-Varying Drift 2017 , 137-156		3
248	iPEEH: Improving pitch estimation by enhancing harmonics. <i>Expert Systems With Applications</i> , 2016 , 64, 317-329	7.8	3
247	Self-supervised Exclusive-Inclusive Interactive Learning for Multi-label Facial Expression Recognition in the Wild. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	3
246	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	3
245	CompNet: Competitive Neural Network for Palmprint Recognition Using Learnable Gabor Kernels. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1739-1743	3.2	3
244	Fusion of the Textural Feature and Palm-Lines for Palmprint Authentication. <i>Lecture Notes in Computer Science</i> , 2005 , 1075-1084	0.9	3
243	Recognize Color Face Images Using Complex Eigenfaces. <i>Lecture Notes in Computer Science</i> , 2005 , 64-68	0.9	3
242	3D Palmprint Capturing System 2013 , 85-104		3
241	Wrist pulse signal acquisition and analysis for disease diagnosis: A review.. <i>Computers in Biology and Medicine</i> , 2022 , 143, 105312	7	3
240	An Online System of Multispectral Palmprint Verification 2016 , 117-137		2
239	Multispectral Biometrics 2016 ,		2
238	Comparison and Fusion of Multiple Types of Features for Image-Based Facial Beauty Prediction. <i>Lecture Notes in Computer Science</i> , 2017 , 23-30	0.9	2
237	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
236	Line Scan Palmprint Recognition System 2018 , 235-257		2

235	Fast marching over the 2D Gabor magnitude domain for tongue body segmentation. <i>Eurasip Journal on Advances in Signal Processing</i> , 2013 , 2013,	1.9	2
234	Design and implementation of a contactless multiple hand feature acquisition system 2012 ,		2
233	Tongue coating image retrieval 2011 ,		2
232	Data Classification on Multiple Manifolds 2010 ,		2
231	Parallel versus Hierarchical Fusion of Extended Fingerprint Features 2010 ,		2
230	Dynamic Subcarrier and Power Allocation in LTE Networks 2009 ,		2
229	Applied Research of Delaminated Real-Time Network Framework Based on RTX in Simulation 2009 ,		2
228	Sparsity Preserving Embedding with Manifold Learning and Discriminant Analysis. <i>IEICE Transactions on Information and Systems</i> , 2012 , E95-D, 271-274	0.6	2
227	Rotation Invariant Texture Classification Using Binary Filter Response Pattern (BFRP). <i>Lecture Notes in Computer Science</i> , 2009 , 1130-1137	0.9	2
226	Evolutionary Discriminant Feature Extraction with Application to Face Recognition. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009 , 2009,	1.9	2
225	2008 ,		2
224	Bagging Evolutionary Feature Extraction Algorithm for Classification 2007 ,		2
223	Facial Feature Extraction Method Based on Coefficients of Variances. <i>Journal of Computer Science and Technology</i> , 2007 , 22, 626-632	1.7	2
222	The . <i>Applied Mathematics Letters</i> , 2007 , 20, 59-64	3.5	2
221	The L(2,1)-labeling on Cartesian sum of graphs. <i>Applied Mathematics Letters</i> , 2008 , 21, 843-848	3.5	2
220	Unsupervised Discriminant Projection Analysis for Feature Extr 2006 ,		2
219	"Non-locality" Preserving Projection and Its Application to Palmprint Recognition 2006 ,		2
218	A PUBLIC MESH WATERMARKING ALGORITHM BASED ON ADDITION PROPERTY OF FOURIER TRANSFORM. <i>International Journal of Image and Graphics</i> , 2006 , 06, 35-43	0.5	2

217	A Novel Simulation Approach For Estimating Residential Power Demand Based on Multi-Agent Society 2007 ,		2
216	Palmpoint Authentication System for Civil Applications. <i>Lecture Notes in Computer Science</i> , 2004 , 217-228.	0.9	2
215	Erratum to Distance metric learning by knowledge embedding [Pattern Recognition 37 (1) (2004) 161-163]. <i>Pattern Recognition</i> , 2004 , 37, 855	7.7	2
214	An innovation approach to H _∞ prediction for continuous-time systems with application to systems with delayed measurements. <i>Automatica</i> , 2004 , 40, 1253-1261	5.7	2
213	Post-processing on LDA-Discriminant Vectors for Facial Feature Extraction. <i>Lecture Notes in Computer Science</i> , 2005 , 346-354	0.9	2
212	Efficient KPCA-Based Feature Extraction: A Novel Algorithm and Experiments 2006 , 220-229		2
211	Minimizing Spatial Deformation Method for Online Signature Matching. <i>Lecture Notes in Computer Science</i> , 2007 , 646-652	0.9	2
210	An Introduction to Biometrics Image Discrimination (BID). <i>Computational Intelligence and Its Applications Series</i> , 2006 , 1-20		2
209	A New Approach to Personal Identification in Large Databases by Hierarchical Palmpoint Coding with Multi-features. <i>Lecture Notes in Computer Science</i> , 2004 , 739-745	0.9	2
208	Multiple Band Selection of Multispectral Dorsal Hand 2016 , 187-206		2
207	Non-convex Regularized Self-representation for Unsupervised Feature Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 55-65	0.9	2
206	Kernel Difference-Weighted k-Nearest Neighbors Classification. <i>Lecture Notes in Computer Science</i> , 2007 , 861-870	0.9	2
205	A New Solution Scheme of Unsupervised Locality Preserving Projection Method for the SSS Problem. <i>Lecture Notes in Computer Science</i> , 2008 , 775-781	0.9	2
204	Spatially Smooth Subspace Face Recognition Using LOG and DOG Penalties. <i>Lecture Notes in Computer Science</i> , 2009 , 439-448	0.9	2
203	Differential Feature Analysis for Palmpoint Authentication. <i>Lecture Notes in Computer Science</i> , 2009 , 125-132	0.9	2
202	Is White Light the Best Illumination for Palmpoint Recognition?. <i>Lecture Notes in Computer Science</i> , 2009 , 50-57	0.9	2
201	Drift Correction Using Maximum Independence Domain Adaptation 2017 , 157-178		2
200	Fingerprint Pore Extraction 2020 , 107-138		2

199	Fast Pore Comparison for High Resolution Fingerprint Images Based on Multiple Co-Occurrence Descriptors and Local Topology Similarities. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	2
198	Deep-Like Hashing-in-Hash for Visual Retrieval: An Embarrassingly Simple Method. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	2
197	Robust Deep Softmax Regression Against Label Noise for Unsupervised Domain Adaptation. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2019 , 33, 1940002	1.1	2
196	Learning Informative and Discriminative Features for Facial Expression Recognition in the Wild. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	2
195	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
194	E-Nose Algorithms and Challenges 2018 , 11-20		2
193	A Palmprint Authentication System 2008 , 171-187		2
192	Self-Supervised Attentive Generative Adversarial Networks for Video Anomaly Detection.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	2
191	Pressure wrist pulse signal analysis by sparse decomposition using improved Gabor function.. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 219, 106766	6.9	2
190	Computerized analysis of tongue sub-lingual veins to detect lung and breast cancers 2017 ,		1
189	3D Fingerprint Reconstruction and Recognition 2018 , 177-212		1
188	Local Features for Finger-Knuckle-Print Recognition 2018 , 111-130		1
187	Discriminative Learning in Biometrics 2016 , 3-20		1
186	Sparse Representation-Based Classification for Biometric Recognition 2016 , 61-77		1
185	Sparse Representation-Based Methods for Face Recognition 2016 , 199-214		1
184	Efficient non-uniform deblurring based on generalized additive convolution model. <i>Eurasip Journal on Advances in Signal Processing</i> , 2016 , 2016,	1.9	1
183	A New Hypothesis on Facial Beauty Perception 2016 , 143-163		1
182	Learning a real-time generic tracker using convolutional neural networks 2017 ,		1

181	Wrist Pulse Diagnosis Using Complex Network 2014 ,		1
180	3D Fingerprint Acquisition Device 2013 , 171-194		1
179	Exploratory tongue color analysis with manifold learning 2010 ,		1
178	Monitor blood glucose levels via breath analysis system and Sparse Representation approach 2010 ,		1
177	Tongue color visualization for local pixel 2011 ,		1
176	Wrist-Pulse Signal Diagnosis Using ICPulse 2009 ,		1
175	Simulation of mm-wave signal generation using phase modulation in ROF system. <i>Optoelectronics Letters</i> , 2009 , 5, 205-208	0.7	1
174	Learning with multiple Gaussian distance kernels for time series classification 2011 ,		1
173	Ontology Building Based on Two-layer Ontology Model 2012 ,		1
172	Palmprint verification using consistent orientation coding 2009 ,		1
171	Transformation Image into Graphics 2004 , 111-129		1
170	Necessary and sufficient condition for finite horizon H/sub /spl infin// estimation of time delay systems		1
169	Improving Fingerprint Recognition Based on Crease Detection. <i>Lecture Notes in Computer Science</i> , 2004 , 287-293	0.9	1
168	An Intelligent Online Signature Verification System 2005 , 99-117		1
167	Bi-directional PCA with assembled matrix distance metric 2005 ,		1
166	A Study of Brute-Force Break-ins of a Palmprint Verification System. <i>Lecture Notes in Computer Science</i> , 2005 , 447-454	0.9	1
165	Hybrid neural method for locating eyes in facial images. <i>Optical Engineering</i> , 2001 , 40, 2151	1.1	1
164	Modern researches on pulse waveform of TCPD		1

163	New 3D imaging sensor: gaining range and texture 2002 ,		1
162	A parallel algorithm for image information restoration 2000 ,		1
161	Speaker verification by removing common information. <i>Electronics Letters</i> , 1999 , 35, 2009	1.1	1
160	Sparse decomposition of pressure pulse wave signal based on time frequency analysis 2020 ,		1
159	3D Fingerprint Generation 2020 , 15-32		1
158	Palmpoint Authentication Technologies, Systems and Applications. <i>Lecture Notes in Computer Science</i> , 2004 , 78-89	0.9	1
157	An Evolving Neural Network Model for Person Verification Combining Speech and Image. <i>Lecture Notes in Computer Science</i> , 2004 , 381-386	0.9	1
156	Improvement on Null Space LDA for Face Recognition: A Symmetry Consideration. <i>Lecture Notes in Computer Science</i> , 2005 , 78-84	0.9	1
155	A Novel Personal Authentication System Using Palmpoint Technology. <i>Lecture Notes in Computer Science</i> , 2005 , 147-156	0.9	1
154	Two-Dimensional Fisher Discriminant Analysis and Its Application to Face Recognition. <i>Lecture Notes in Computer Science</i> , 2006 , 130-139	0.9	1
153	Improvement on Gabor Texture Feature Based Biometric Analysis Using Image Blurring. <i>Lecture Notes in Computer Science</i> , 2015 , 420-430	0.9	1
152	Hand Back Skin Texture for Personal Identification 2018 , 213-233		1
151	The Resolution for Fingerprint Recognition 2018 , 65-81		1
150	Fast Augmented Lagrangian Method for Image Smoothing with Hyper-Laplacian Gradient Prior. <i>Communications in Computer and Information Science</i> , 2014 , 12-21	0.3	1
149	Metric Learning with Relative Distance Constraints: A Modified SVM Approach. <i>Communications in Computer and Information Science</i> , 2015 , 242-249	0.3	1
148	Orientation Features and Distance Measure of Palmpoint Authentication 2016 , 113-145		1
147	Learning Classification and Regression Models Based on Transfer Samples 2017 , 113-135		1
146	Fingerprint Pore Matching 2020 , 165-187		1

145	Feature-Based 3D Reconstruction Model for Close-Range Objects and Its Application to Human Finger. <i>Communications in Computer and Information Science</i> , 2015 , 379-393	0.3	1
144	Fusion Methodologies of Multiple Traits 2016 , 217-247		1
143	Tongue Shape Classification by Geometric Features 2017 , 133-153		1
142	Feature Selection and Analysis on Correlated Breath Data 2017 , 181-206		1
141	A Novel Medical E-Nose Signal Analysis System 2017 , 281-299		1
140	Global Information for Finger-Knuckle-Print Recognition 2018 , 131-149		1
139	Online 3D Ear Recognition 2018 , 309-328		1
138	A Novel Feature Extraction Method of Toothprint on Tongue in Traditional Chinese Medicine. <i>Communications in Computer and Information Science</i> , 2011 , 297-305	0.3	1
137	3D Palmprint Classification by Global Features 2013 , 135-152		1
136	Automated Tongue Segmentation Based on 2D Gabor Filters and Fast Marching. <i>Lecture Notes in Computer Science</i> , 2013 , 328-335	0.9	1
135	Pathological Voice Analysis 2020 ,		1
134	Addi-Reg: A Better Generalization-Optimization Tradeoff Regularization Method for Convolutional Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
133	Learning Context-Based Nonlocal Entropy Modeling for Image Compression. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
132	Multi-feature Semi-supervised Learning Approach 2018 , 225-245		1
131	Baseline Wander Correction in Pulse Waveforms Using Wavelet-Based Cascaded Adaptive Filter 2018 , 65-90		1
130	Fast and Robust Portrait Segmentation Using QEA and Histogram Peak Distribution Methods. <i>Lecture Notes in Computer Science</i> , 2005 , 920-928	0.9	1
129	A Neural Network Strategy for 3D Surface Registration. <i>Lecture Notes in Computer Science</i> , 2006 , 528-536.9		1
128	3D Biometrics Technologies and Systems 2013 , 19-33		1

127	Information Fusion Based on Deep Learning 2022 , 197-256		1
126	Touchless palmprint recognition based on 3D Gabor template and block feature refinement. <i>Knowledge-Based Systems</i> , 2022 , 108855	7.3	1
125	Fast and convergence-guaranteed algorithm for linear separation. <i>Science China Information Sciences</i> , 2010 , 53, 729-737	3.4	0
124	AVLSM: Adaptive Variational Level Set Model for Image Segmentation in the Presence of Severe Intensity Inhomogeneity and High Noise. <i>IEEE Transactions on Image Processing</i> , 2022 , 31, 43-57	8.7	0
123	Overview: 3D Fingerprints 2020 , 9-13		0
122	Tongue Segmentation by Fusing Region-Based and Edge-Based Approaches 2017 , 115-131		0
121	Fingerprint Pore Modeling and Extraction 2018 , 41-63		0
120	Harmonization Shared Autoencoder Gaussian Process Latent Variable Model With Relaxed Hamming Distance. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 5093-5107	10.3	0
119	Real noise image adjustment networks for saliency-aware stylistic color retouch. <i>Knowledge-Based Systems</i> , 2022 , 242, 108317	7.3	0
118	BESS: Balanced evolutionary semi-stacking for disease detection using partially labeled imbalanced data. <i>Information Sciences</i> , 2022 , 594, 233-248	7.7	0
117	RVLSM: Robust variational level set method for image segmentation with intensity inhomogeneity and high noise. <i>Information Sciences</i> , 2022 , 596, 439-459	7.7	0
116	Information Fusion Based on Score/Weight Classifier Fusion 2022 , 175-196		0
115	Feature Band Selection for Online Multispectral Palmprint Recognition 2016 , 153-162		
114	Empirical Study of Light Source Selection for Palmprint Recognition 2016 , 139-151		
113	Hyperspectral Tongue Image Classification 2017 , 251-261		
112	Introduction to Tongue Image Analysis 2017 , 3-18		
111	Tongue Segmentation in Hyperspectral Images 2017 , 89-102		
110	Effect of C-2 substitution on the stability of non-traditional cephalosporins in mouse plasma. <i>Journal of Antibiotics</i> , 2019 , 72, 469-475	3.7	

109 Discriminative Learning via Encouraging Virtual Face Images **2016**, 167-198

108 A Facial Beauty Analysis Simulation System **2016**, 237-258

107 Optimal Feature Set for Facial Beauty Analysis **2016**, 103-119

106 Data-Driven Facial Beauty Analysis: Prediction, Retrieval and Manipulation **2016**, 217-234

105 Joint Line and Orientation Features in 3D Palmprint **2013**, 153-167

104 An Effective Feature Extraction Method Used in Breath Analysis. *Lecture Notes in Computer Science*, **2010**, 33-41 0.9

103 Information fusion for palmprint authentication **2006**, 6202, 241

102 A Novel On-Line Palmprint Identification System. *International Journal of Smart Engineering System Design*, **2003**, 5, 361-373

101 A fast BNM (Best Neighborhood Matching): Algorithm and parallel processing for image restoration. *International Journal of Imaging Systems and Technology*, **2003**, 13, 189-200 2.5

100 An Uncorrelated Fisherface Approach for Face and Palmprint Recognition. *Lecture Notes in Computer Science*, **2005**, 682-687 0.9

99 Correction to A novel text-independent speaker verification method based on the global speaker model. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2000**, 30, 883-883

98 Novel evolutionary method for gray-level image restoration. *Optical Engineering*, **1999**, 38, 626 1.1

97 VLSI neural system architecture for finite ring recursive reduction. *International Journal of Neural Systems*, **1996**, 7, 697-708 6.2

96 Stepwise-Refining Speech Separation Network via Fine-Grained Encoding in High-Order Latent Domain. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2022**, 30, 378-393 3.6

95 Pitch Estimation **2020**, 47-74

94 High Resolution Fingerprint Acquisition **2020**, 89-105

93 3D Fingerprint Authentication **2020**, 33-57

92 Pore-Based Partial Fingerprint Alignment **2020**, 139-164

91	Robust Multi-View Discriminative Learning for Voice Based Disease Detection 2020 , 147-166	
90	Feature Learning 2020 , 107-121	
89	Joint Learning for Voice Based Disease Detection 2020 , 123-145	
88	Pathological Voice Acquisition 2020 , 29-45	
87	Multiple Textural Features Based Palmprint Authentication 2006 , 964-969	
86	Iteratively Reweighted Fitting for Reduced Multivariate Polynomial Model. <i>Lecture Notes in Computer Science</i> , 2007 , 583-592	0.9
85	A Novel Null Space-Based Kernel Discriminant Analysis for Face Recognition. <i>Lecture Notes in Computer Science</i> , 2007 , 547-556	0.9
84	Palmprint Recognition 2021 , 1-7	
83	High Resolution Fingerprint Retrieval Based on Pore Indexing and Graph Comparison. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 1-1	8
82	Biometrics Applications in an E-World 2002 , 1-21	
81	Parsimonious Feature Extraction Based on Genetic Algorithms and Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2006 , 1387-1393	0.9
80	Differential Operation Based Palmprint Authentication for Multimedia Security. <i>Lecture Notes in Computer Science</i> , 2006 , 237-244	0.9
79	Automated Personal Authentication Using Both Palmprints. <i>Lecture Notes in Computer Science</i> , 2007 , 450-453	0.9
78	Comparison of Three Different Types of Wrist Pulse Signals 2018 , 281-300	
77	Modified Gaussian Models and Fuzzy C-Means 2018 , 231-246	
76	Optimized Preprocessing Framework for Wrist Pulse Analysis 2018 , 109-132	
75	Modified Auto-regressive Models 2018 , 247-259	
74	Combination of Heterogeneous Features for Wrist Pulse Blood Flow Signal Diagnosis via Multiple Kernel Learning 2018 , 261-278	

- 73 Pulse Signal Acquisition Using Multi-sensors **2018**, 35-62
- 72 Arrhythmic Pulse Detection **2018**, 135-155
- 71 Discussion and Future Work **2018**, 319-323
- 70 Detection of Saturation and Artifact **2018**, 91-107
- 69 Characterization of Inter-Cycle Variations for Wrist Pulse Diagnosis **2018**, 191-213
- 68 Self-expression-Based Abnormal Odor Detection **2018**, 279-298
- 67 Spatial and Spectrum Feature Extraction **2018**, 157-167
- 66 Pattern Mismatch Guided Interference Elimination **2018**, 265-278
- 65 Domain Regularized Subspace Projection Method **2018**, 173-191
- 64 Edit Distance for Pulse Diagnosis **2018**, 217-230
- 63 Compound Pressure Signal Acquisition **2018**, 13-34
- 62 Local Kernel Discriminant Analysis-Based Odor Recognition **2018**, 95-113
- 61 Domain Correction-Based Adaptive Extreme Learning Machine **2018**, 209-224
- 60 Quality Assessment of High Resolution Fingerprints **2020**, 189-197
- 59 Overview: High Resolution Fingerprints **2020**, 77-87
- 58 Fusion of Extended Fingerprint Features **2020**, 199-206
- 57 Book Review and Future Work **2020**, 167-170
- 56 Glottal Closure Instants Detection **2020**, 75-106

55 Applications of 3D Fingerprints **2020**, 59-75

54 The Prototype Design of Multispectral Iris Recognition System **2016**, 89-114

53 Feature Band Selection for Multispectral Iris Recognition **2016**, 63-88

52 Combining a Causal Effect Criterion for Evaluation of Facial Beauty Models **2016**, 199-215

51 Discussions and Future Work **2016**, 251-261

50 Putative Ratio Rules for Facial Beauty Indexing **2016**, 69-87

49 Facial Landmark Model Design **2016**, 35-52

48 Multifeature Palmprint Authentication **2016**, 147-164

47 Introduction to the IrisCode Theory. *Advances in Computer Vision and Pattern Recognition*, **2016**, 229-245

46 Discriminative Features for Palmprint Authentication **2016**, 81-111

45 Beauty Analysis by Learning Machine and Subspace Extension **2016**, 167-197

44 Diagnosis Using Quantitative Tongue Feature Classification **2017**, 295-301

43 A Snake-Based Approach to Automated Tongue Image Segmentation **2017**, 71-88

42 Computerized Tongue Diagnosis Based on Bayesian Networks **2017**, 265-280

41 Tongue Image Segmentation by Bi-elliptical Deformable Contour **2017**, 47-70

40 Statistical Analysis of Tongue Color and Its Applications in Diagnosis **2017**, 225-250

39 Color Correction Scheme for Tongue Images **2017**, 157-178

38 Tongue Image Analysis for Appendicitis Diagnosis **2017**, 281-293

- 37 Tongue Colorchecker for Precise Correction **2017**, 179-205
- 36 Tongue Segmentation by Gradient Vector Flow and Region Merging **2017**, 103-113
- 35 Sensor Evaluation in a Breath Acquisition System **2017**, 77-88
- 34 Monitor Blood Glucose Levels via Sparse Representation Approach **2017**, 229-237
- 33 Breath Signal Analysis for Diabetics **2017**, 241-258
- 32 Improving the Transfer Ability of Prediction Models **2017**, 91-112
- 31 An LDA-Based Sensor Selection Approach **2017**, 53-75
- 30 A Breath Analysis System for Diabetes Screening and Blood Glucose Level Prediction **2017**, 259-279
- 29 Tongue Images Acquisition System Design **2017**, 19-44
- 28 Breath Sample Identification by Sparse Representation-Based Classification **2017**, 207-228
- 27 Dynamic Tongueprint Recognition **2018**, 287-308
- 26 Door Knob Hand Recognition System **2018**, 259-284
- 25 Multi-view Ear Recognition Based on Moving Least Square Pose Interpolation. *Lecture Notes in Computer Science*, **2009**, 1085-1095 0.9
- 24 Mining Hot Clusters of Similar Anomalies for System Management. *Lecture Notes in Computer Science*, **2010**, 359-371 0.9
- 23 Semantic Trajectory Based Video Event Detection. *Jisuanji Xuebao/Chinese Journal of Computers*, **2010**, 33, 1845-1858
- 22 Ensemble of k-Labelset Classifiers for Multi-label Image Classification. *International Federation for Information Processing*, **2012**, 364-371
- 21 An Algorithm Based on Augmented Lagrangian Method for Generalized Gradient Vector Flow Computation. *Communications in Computer and Information Science*, **2012**, 170-177 0.3
- 20 An Introduction to the IrisCode Theory **2013**, 321-336

19 3D Ear Feature Extraction and Recognition **2013**, 69-81

18 3D Fingerprint Reconstruction **2013**, 195-216

17 3D Information in Palmprint **2013**, 105-133

16 3D Face Verification System **2013**, 257-278

15 Two Significant Characteristics in 3D Ear **2013**, 51-68

14 3D Ear Acquisition System **2013**, 37-50

13 3D Fingerprint Identification System **2013**, 217-230

12 Geometrics Facial Beauty Study **2016**, 53-68

11 Illuminance Compensation and Texture Enhancement via the Hodge Decomposition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 31, 956-971 6.4

10 Comparison Between Pulse and ECG **2018**, 301-318

9 Cross-Domain Subspace Learning Approach **2018**, 193-208

8 Multiple Textural Features Based Palmprint Authentication 964-969

7 Efficient KPCA-Based Feature Extraction: A Novel Algorithm and Experiments **2006**, 220-229

6 3D Ear Reconstruction Attempts: Using Multi-view **2006**, 578-583

5 Information Fusion Based on Gaussian Process Latent Variable Model **2022**, 51-99

4 SaME: Sharpness-aware Matching Ensemble for Robust Palmprint Recognition. *Lecture Notes in Computer Science*, **2022**, 488-500 0.9

3 Information Fusion Based on Sparse/Collaborative Representation **2022**, 13-50

2 Information Fusion Based on Metric Learning **2022**, 131-174

1 Information Fusion Based on Multi-View and Multi-Feature Learning **2022**, 101-130