David Zhang, Dapeng

List of Publications by Year in Descending Order

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	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	
827	Innovative Contactless Palmprint Recognition System Based on Dual-Camera Alignment. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-13	7.3	4
826	AVLSM: Adaptive Variational Level Set Model for Image Segmentation in the Presence of Severe Intensity Inhomogeneity and High Noise. *IEEE Transactions on Image Processing*, **2022**, 31, 43-57	8.7	0
825	Multi-View Speech Emotion Recognition Via Collective Relation Construction. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2022**, 30, 218-229	3.6	3
824	Self-Supervised Attentive Generative Adversarial Networks for Video Anomaly Detection.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	2
823	Real noise image adjustment networks for saliency-aware stylistic color retouch. *Knowledge-Based Systems*, **2022**, 242, 108317	7.3	0
822	Wrist pulse signal acquisition and analysis for disease diagnosis: A review.. *Computers in Biology and Medicine*, **2022**, 143, 105312	7	3
821	BESS: Balanced evolutionary semi-stacking for disease detection using partially labeled imbalanced data. *Information Sciences*, **2022**, 594, 233-248	7.7	0
820	RVLSM: Robust variational level set method for image segmentation with intensity inhomogeneity and high noise. *Information Sciences*, **2022**, 596, 439-459	7.7	0
819	Pressure wrist pulse signal analysis by sparse decomposition using improved Gabor function.. *Computer Methods and Programs in Biomedicine*, **2022**, 219, 106766	6.9	2
818	Information Fusion Based on Gaussian Process Latent Variable Model **2022**, 51-99		
817	SaME: Sharpness-aware Matching Ensemble for Robust Palmprint Recognition. *Lecture Notes in Computer Science*, **2022**, 488-500	0.9	
816	Information Fusion Based on Deep Learning **2022**, 197-256		1
815	Information Fusion Based on Score/Weight Classifier Fusion **2022**, 175-196		0
814	Information Fusion Based on Sparse/Collaborative Representation **2022**, 13-50		
813	Information Fusion Based on Metric Learning **2022**, 131-174		
812	Information Fusion Based on Multi-View and Multi-Feature Learning **2022**, 101-130		

811	Touchless palmprint recognition based on 3D Gabor template and block feature refinement. *Knowledge-Based Systems*, **2022**, 108855	7.3	1
810	DS-TransUNet: Dual Swin Transformer U-Net for Medical Image Segmentation. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 1-1	5.2	17
809	Learning Content-Weighted Deep Image Compression. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, 43, 3446-3461	13.3	9
808	Palmprint Recognition **2021**, 1-7		
807	High Resolution Fingerprint Retrieval Based on Pore Indexing and Graph Comparison. *IEEE Transactions on Information Forensics and Security*, **2021**, 1-1	8	
806	Multimodal Emotion Recognition With Temporal and Semantic Consistency. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2021**, 29, 3592-3603	3.6	3
805	Harmonization Shared Autoencoder Gaussian Process Latent Variable Model With Relaxed Hamming Distance. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 5093-5107	10.3	0
804	Jointly learning compact multi-view hash codes for few-shot FKP recognition. *Pattern Recognition*, **2021**, 115, 107894	7.7	5
803	Illuminance Compensation and Texture Enhancement via the Hodge Decomposition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 31, 956-971	6.4	
802	A Novel Multicamera System for High-Speed Touchless Palm Recognition. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 1534-1548	7.3	12
801	Shared Linear Encoder-Based Multikernel Gaussian Process Latent Variable Model for Visual Classification. *IEEE Transactions on Cybernetics*, **2021**, 51, 534-547	10.2	7
800	Asymmetric Gaussian Process multi-view learning for visual classification. *Information Fusion*, **2021**, 65, 108-118	16.7	10
799	Simultaneous Fidelity and Regularization Learning for Image Restoration. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, 43, 284-299	13.3	32
798	Scaled Simplex Representation for Subspace Clustering. *IEEE Transactions on Cybernetics*, **2021**, 51, 1493-1505	10.2	10
797	Addi-Reg: A Better Generalization-Optimization Tradeoff Regularization Method for Convolutional Neural Networks. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	1
796	Self-supervised Exclusive-Inclusive Interactive Learning for Multi-label Facial Expression Recognition in the Wild. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	3
795	Semantic-Interactive Graph Convolutional Network for Multilabel Image Recognition. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	4
794	Multi-Label Chest X-ray Image Classification via Semantic Similarity Graph Embedding. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	5

793	Deep-Masking Generative Network: A Unified Framework for Background Restoration From Superimposed Images. *IEEE Transactions on Image Processing*, **2021**, 30, 4867-4882	8.7	4
792	Learning Informative and Discriminative Features for Facial Expression Recognition in the Wild. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	2
791	Learning Context-Based Nonlocal Entropy Modeling for Image Compression. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	1
790	Asymmetric CNN for Image Superresolution. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	13
789	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	3
788	CompNet: Competitive Neural Network for Palmprint Recognition Using Learnable Gabor Kernels. *IEEE Signal Processing Letters*, **2021**, 28, 1739-1743	3.2	3
787	Designing and training of a dual CNN for image denoising. *Knowledge-Based Systems*, **2021**, 226, 106949	7.3	16
786	Layer-Output Guided Complementary Attention Learning for Image Defocus Blur Detection. *IEEE Transactions on Image Processing*, **2021**, 30, 3748-3763	8.7	8
785	Efficient and Effective Context-Based Convolutional Entropy Modeling for Image Compression. *IEEE Transactions on Image Processing*, **2020**,	8.7	16
784	DRPL: Deep Regression Pair Learning For Multi-Focus Image Fusion. *IEEE Transactions on Image Processing*, **2020**,	8.7	42
783	Similarity and diversity induced paired projection for cross-modal retrieval. *Information Sciences*, **2020**, 539, 215-228	7.7	4
782	Feature Extraction for 3-D Palmprint Recognition: A Survey. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 1-1	5.2	19
781	Label Co-Occurrence Learning With Graph Convolutional Networks for Multi-Label Chest X-Ray Image Classification. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 2292-2302	7.2	28
780	Tongue Image Alignment via Conformal Mapping for Disease Detection. *IEEE Access*, **2020**, 8, 9796-9808	3.5	6
779	AdvKin: Adversarial Convolutional Network for Kinship Verification. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	14
778	3D palmprint identification using blocked histogram and improved sparse representation-based classifier. *Neural Computing and Applications*, **2020**, 32, 12547-12560	4.8	2
777	Multiscale Conditional Regularization for Convolutional Neural Networks. *IEEE Transactions on Cybernetics*, **2020**,	10.2	3
776	Sparse decomposition of pressure pulse wave signal based on time frequency analysis **2020**,		1

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

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

773 3D Fingerprint Authentication **2020**, 33-57

772 3D Fingerprint Generation **2020**, 15-32 1

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

770 Robust Multi-View Discriminative Learning for Voice Based Disease Detection **2020**, 147-166

769 Feature Learning **2020**, 107-121

768 Joint Learning for Voice Based Disease Detection **2020**, 123-145

767 Pathological Voice Acquisition **2020**, 29-45

766 Quality Assessment of High Resolution Fingerprints **2020**, 189-197

765 Overview: High Resolution Fingerprints **2020**, 77-87

764 Fusion of Extended Fingerprint Features **2020**, 199-206

763 Overview: 3D Fingerprints **2020**, 9-13 0

762 Book Review and Future Work **2020**, 167-170

761 Glottal Closure Instants Detection **2020**, 75-106

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

759 Fingerprint Pore Matching **2020**, 165-187 1

758 Fingerprint Pore Extraction **2020**, 107-138 2

757	Optimal Projection Guided Transfer Hashing for Image Retrieval. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 3788-3802	6.4	7
756	Fast Pore Comparison for High Resolution Fingerprint Images Based on Multiple Co-Occurrence Descriptors and Local Topology Similarities. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11	7.3	2
755	Relaxed Asymmetric Deep Hashing Learning: Point-to-Angle Matching. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 4791-4805	10.3	4
754	Features fusion of multichannel wrist pulse signal based on KL-MGDCCA and decision level combination. *Biomedical Signal Processing and Control*, **2020**, 57, 101751	4.9	9
753	Lesion Location Attention Guided Network for Multi-Label Thoracic Disease Classification in Chest X-Rays. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 2016-2027	7.2	13
752	Deep-Like Hashing-in-Hash for Visual Retrieval: An Embarrassingly Simple Method. *IEEE Transactions on Image Processing*, **2020**, PP,	8.7	2
751	Pathological Voice Analysis **2020**,		1
750	. *IEEE Transactions on Image Processing*, **2020**, 29, 7045-7060	8.7	4
749	Facial Expression Recognition in the Wild Using Multi-level Features and Attention Mechanisms. *IEEE Transactions on Affective Computing*, **2020**, 1-1	5.7	10
748	Dual Asymmetric Deep Hashing Learning. *IEEE Access*, **2019**, 7, 113372-113384	3.5	9
747	Sparse, collaborative, or nonnegative representation: Which helps pattern classification?. *Pattern Recognition*, **2019**, 88, 679-688	7.7	67
746	Synthesis and Antibacterial Evaluation of Cephalosporin Isosteres. *Asian Journal of Organic Chemistry*, **2019**, 8, 1053-1057	3	4
745	. *IEEE Transactions on Instrumentation and Measurement*, **2019**, 68, 4807-4816	5.2	10
744	Manifold Criterion Guided Transfer Learning via Intermediate Domain Generation. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**,	10.3	54
743	Effect of C-2 substitution on the stability of non-traditional cephalosporins in mouse plasma. *Journal of Antibiotics*, **2019**, 72, 469-475	3.7	
742	Visual Classification With Multikernel Shared Gaussian Process Latent Variable Model. *IEEE Transactions on Cybernetics*, **2019**, 49, 2886-2899	10.2	4
741	Structurally Incoherent Low-Rank 2DLPP for Image Classification. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 1701-1714	6.4	16
740	High resolution fingerprint recognition using pore and edge descriptors. *Pattern Recognition Letters*, **2019**, 125, 773-779	4.7	17

739	Deep Cascade Model based Face Recognition: When Deep-layered Learning Meets Small Data. *IEEE Transactions on Image Processing*, **2019**,	8.7	31
738	Guide Subspace Learning for Unsupervised Domain Adaptation. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**,	10.3	33
737	Body surface feature-based multi-modal Learning for Diabetes Mellitus detection. *Information Sciences*, **2019**, 472, 1-14	7.7	15
736	Fingerprint Pore Comparison Using Local Features and Spatial Relations. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 2927-2940	6.4	10
735	Robust Deep Softmax Regression Against Label Noise for Unsupervised Domain Adaptation. *International Journal of Pattern Recognition and Artificial Intelligence*, **2019**, 33, 1940002	1.1	2
734	Person Recognition Using 3-D Palmprint Data Based on Full-Field Sinusoidal Fringe Projection. *IEEE Transactions on Instrumentation and Measurement*, **2019**, 68, 3287-3298	5.2	9
733	Joint learning for voice based disease detection. *Pattern Recognition*, **2019**, 87, 130-139	7.7	10
732	Low-Rank 2-D Neighborhood Preserving Projection for Enhanced Robust Image Representation. *IEEE Transactions on Cybernetics*, **2019**, 49, 1859-1872	10.2	35
731	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 346-363	7.3	85
730	Generative multi-view and multi-feature learning for classification. *Information Fusion*, **2019**, 45, 215-226	16.7	46
729	Horizontal and Vertical Nuclear Norm-Based 2DLDA for Image Representation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 941-955	6.4	12
728	Radial artery pulse waveform analysis based on curve fitting using discrete Fourier series. *Computer Methods and Programs in Biomedicine*, **2019**, 174, 25-31	6.9	10
727	Partial Deconvolution With Inaccurate Blur Kernel. *IEEE Transactions on Image Processing*, **2018**, 27, 511-524	8.7	17
726	External Prior Guided Internal Prior Learning for Real-World Noisy Image Denoising. *IEEE Transactions on Image Processing*, **2018**,	8.7	69
725	Two-phase linear reconstruction measure-based classification for face recognition. *Information Sciences*, **2018**, 433-434, 17-36	7.7	25
724	F-SVM: Combination of Feature Transformation and SVM Learning via Convex Relaxation. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 5185-5199	10.3	41
723	Discriminative and Robust Competitive Code for Palmprint Recognition. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 232-241	7.3	68
722	. *IEEE Transactions on Affective Computing*, **2018**, 9, 205-216	5.7	16

721	Learning Domain-Invariant Subspace Using Domain Features and Independence Maximization. *IEEE Transactions on Cybernetics*, **2018**, 48, 288-299	10.2	97
720	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 242-254	7.3	30
719	3D Fingerprint Reconstruction and Recognition **2018**, 177-212		1
718	Robust Discriminant Regression for Feature Extraction. *IEEE Transactions on Cybernetics*, **2018**, 48, 2472-2484	10.2	43
717	Local Features for Finger-Knuckle-Print Recognition **2018**, 111-130		1
716	Line Scan Palmprint Recognition System **2018**, 235-257		2
715	Shared Autoencoder Gaussian Process Latent Variable Model for Visual Classification. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 4272-4286	10.3	15
714	Learning Parts-Based and Global Representation for Image Classification. *IEEE Transactions on Circuits and Systems for Video Technology*, **2018**, 28, 3345-3360	6.4	10
713	Complete Binary Representation for 3-D Palmprint Recognition. *IEEE Transactions on Instrumentation and Measurement*, **2018**, 67, 2761-2771	5.2	21
712	Shared Linear Encoder-based Gaussian Process Latent Variable Model for Visual Classification **2018**,		5
711	Comparison of Three Different Types of Wrist Pulse Signals **2018**, 281-300		
710	Modified Gaussian Models and Fuzzy C-Means **2018**, 231-246		
709	Advanced Biometrics **2018**,		7
708	Optimized Preprocessing Framework for Wrist Pulse Analysis **2018**, 109-132		
707	Modified Auto-regressive Models **2018**, 247-259		
706	Combination of Heterogeneous Features for Wrist Pulse Blood Flow Signal Diagnosis via Multiple Kernel Learning **2018**, 261-278		
705	Pulse Signal Acquisition Using Multi-sensors **2018**, 35-62		
704	Arrhythmic Pulse Detection **2018**, 135-155		

703 Discussion and Future Work **2018**, 319-323

702 Detection of Saturation and Artifact **2018**, 91-107

701 Characterization of Inter-Cycle Variations for Wrist Pulse Diagnosis **2018**, 191-213

700 Self-expression-Based Abnormal Odor Detection **2018**, 279-298

699 Spatial and Spectrum Feature Extraction **2018**, 157-167

698 Pattern Mismatch Guided Interference Elimination **2018**, 265-278

697 Domain Regularized Subspace Projection Method **2018**, 173-191

696 Edit Distance for Pulse Diagnosis **2018**, 217-230

695 Compound Pressure Signal Acquisition **2018**, 13-34

694 Local Kernel Discriminant Analysis-Based Odor Recognition **2018**, 95-113

693 Domain Correction-Based Adaptive Extreme Learning Machine **2018**, 209-224

692 Hand Back Skin Texture for Personal Identification **2018**, 213-233 1

691 The Resolution for Fingerprint Recognition **2018**, 65-81 1

690 Finger-Knuckle-Print Verification **2018**, 85-109 3

689 Finger-Knuckle-Print Verification with Score Level Adaptive Binary Fusion **2018**, 151-174 4

688 Generalized Feature Extraction for Wrist Pulse Analysis: From 1-D Time Series to 2-D Matrix **2018**, 169-189 3

687 Dynamic Tongueprint Recognition **2018**, 287-308

686 Global Information for Finger-Knuckle-Print Recognition **2018**, 131-149 1

685	Door Knob Hand Recognition System **2018**, 259-284		
684	Online 3D Ear Recognition **2018**, 309-328		1
683	Fingerprint Pore Modeling and Extraction **2018**, 41-63		0
682	A Hybrid l1-l0 Layer Decomposition Model for Tone Mapping **2018**,		46
681	Learning Convolutional Networks for Content-Weighted Image Compression **2018**,		125
680	. *IEEE Access*, **2018**, 6, 75748-75766	3.5	17
679	Comparison Between Pulse and ECG **2018**, 301-318		
678	Cross-Domain Subspace Learning Approach **2018**, 193-208		
677	A Trilateral Weighted Sparse Coding Scheme for Real-World Image Denoising. *Lecture Notes in Computer Science*, **2018**, 21-38	0.9	80
676	Electronic Nose: Algorithmic Challenges **2018**,		7
675	Computational Pulse Signal Analysis **2018**,		7
674	Multi-feature Semi-supervised Learning Approach **2018**, 225-245		1
673	Influence of sampling rate on voice analysis for assessment of Parkinson's disease. *Journal of the Acoustical Society of America*, **2018**, 144, 1416	2.2	2
672	E-Nose Algorithms and Challenges **2018**, 11-20		2
671	Baseline Wander Correction in Pulse Waveforms Using Wavelet-Based Cascaded Adaptive Filter **2018**, 65-90		1
670	Learning acoustic features to detect Parkinson disease. *Neurocomputing*, **2018**, 318, 102-108	5.4	17
669	Door Knob Hand Recognition System. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2870-2881	7.3	5
668	A Locality-Constrained and Label Embedding Dictionary Learning Algorithm for Image Classification. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 278-293	10.3	110

667	Nonnegative Discriminant Matrix Factorization. *IEEE Transactions on Circuits and Systems for Video Technology*, **2017**, 27, 1392-1405	6.4	35
666	Rotational Invariant Dimensionality Reduction Algorithms. *IEEE Transactions on Cybernetics*, **2017**, 47, 3733-3746	10.2	72
665	Tongue Image Analysis **2017**,		8
664	Hyperspectral Tongue Image Classification **2017**, 251-261		
663	Introduction to Tongue Image Analysis **2017**, 3-18		
662	Detecting Diabetes Mellitus and Nonproliferative Diabetic Retinopathy Using CTD **2017**, 303-325		3
661	Tongue Segmentation in Hyperspectral Images **2017**, 89-102		
660	. *IEEE Access*, **2017**, 5, 8502-8514	3.5	85
659	Joint distance and similarity measure learning based on triplet-based constraints. *Information Sciences*, **2017**, 406-407, 119-132	7.7	6
658	Facial beauty analysis based on geometric feature: Toward attractiveness assessment application. *Expert Systems With Applications*, **2017**, 82, 252-265	7.8	20
657	. *IEEE Transactions on Multimedia*, **2017**, 19, 2391-2403	6.6	22
656	Improving texture analysis performance in biometrics by adjusting image sharpness. *Pattern Recognition*, **2017**, 66, 16-25	7.7	10
655	. *IEEE Transactions on Instrumentation and Measurement*, **2017**, 66, 198-211	5.2	3
654	3D palmprint identification combining blocked ST and PCA. *Pattern Recognition Letters*, **2017**, 100, 89-95	4.7	22
653	Deep Location-Specific Tracking **2017**,		17
652	Comparison and Fusion of Multiple Types of Features for Image-Based Facial Beauty Prediction. *Lecture Notes in Computer Science*, **2017**, 23-30	0.9	2
651	A Coordinate Descent Method for Total Variation Minimization. *Mathematical Problems in Engineering*, **2017**, 2017, 1-13	1.1	3
650	Computerized analysis of tongue sub-lingual veins to detect lung and breast cancers **2017**,		1

649	A Novel Medical E-Nose Signal Analysis System. *Sensors*, **2017**, 17,	3.8	19
648	GMAT: Glottal closure instants detection based on the Multiresolution Absolute Teager Kaiser energy operator **2017**, 69, 286-299		7
647	Joint discriminative and collaborative representation for fatty liver disease diagnosis. *Expert Systems With Applications*, **2017**, 89, 31-40	7.8	25
646	Correcting Instrumental Variation and Time-Varying Drift Using Parallel and Serial Multitask Learning. *IEEE Transactions on Instrumentation and Measurement*, **2017**, 66, 2306-2316	5.2	13
645	Domain class consistency based transfer learning for image classification across domains. *Information Sciences*, **2017**, 418-419, 242-257	7.7	28
644	Distance Metric Learning via Iterated Support Vector Machines. *IEEE Transactions on Image Processing*, **2017**, 26, 4937-4950	8.7	16
643	Generalized Feature Extraction for Wrist Pulse Analysis: From 1-D Time Series to 2-D Matrix. *IEEE Journal of Biomedical and Health Informatics*, **2017**, 21, 978-985	7.2	12
642	Evolutionary Cost-Sensitive Extreme Learning Machine. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 3045-3060	10.3	106
641	A New Discriminative Sparse Representation Method for Robust Face Recognition via l□ Regularization. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 2233-2242	10.3	118
640	An optimized palmprint recognition approach based on image sharpness. *Pattern Recognition Letters*, **2017**, 85, 65-71	4.7	17
639	Joint similar and specific learning for diabetes mellitus and impaired glucose regulation detection. *Information Sciences*, **2017**, 384, 191-204	7.7	35
638	Multi-channel Weighted Nuclear Norm Minimization for Real Color Image Denoising **2017**,		126
637	Learning a real-time generic tracker using convolutional neural networks **2017**,		1
636	Case study of 3D fingerprints applications. *PLoS ONE*, **2017**, 12, e0175261	3.7	9
635	Patch Group Based Bayesian Learning for Blind Image Denoising. *Lecture Notes in Computer Science*, **2017**, 79-95	0.9	7
634	Tongue Color Analysis for Medical Application **2017**, 207-223		3
633	Breath Analysis for Medical Applications **2017**,		3
632	Learning Classification and Regression Models Based on Transfer Samples **2017**, 113-135		1

631 A Transfer Learning Approach for Correcting Instrumental Variation and Time-Varying Drift **2017**, 137-156 3

630 Drift Correction Using Maximum Independence Domain Adaptation **2017**, 157-178 2

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

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

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

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

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

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

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

622 Tongue Colorchecker for Precise Correction **2017**, 179-205

621 Tongue Segmentation by Gradient Vector Flow and Region Merging **2017**, 103-113

620 Sensor Evaluation in a Breath Acquisition System **2017**, 77-88

619 Tongue Shape Classification by Geometric Features **2017**, 133-153 1

618 Monitor Blood Glucose Levels via Sparse Representation Approach **2017**, 229-237

617 Tongue Segmentation by Fusing Region-Based and Edge-Based Approaches **2017**, 115-131 0

616 Breath Signal Analysis for Diabetics **2017**, 241-258

615 Improving the Transfer Ability of Prediction Models **2017**, 91-112

614 An LDA-Based Sensor Selection Approach **2017**, 53-75

613	Feature Selection and Analysis on Correlated Breath Data **2017**, 181-206		1
612	A Breath Analysis System for Diabetes Screening and Blood Glucose Level Prediction **2017**, 259-279		
611	Tongue Images Acquisition System Design **2017**, 19-44		
610	A Novel Medical E-Nose Signal Analysis System **2017**, 281-299		1
609	Breath Sample Identification by Sparse Representation-Based Classification **2017**, 207-228		
608	Multispectral Biometrics Systems **2016**, 23-35		11
607	An Online System of Multispectral Palmprint Verification **2016**, 117-137		2
606	Feature Band Selection for Online Multispectral Palmprint Recognition **2016**, 153-162		
605	Dorsal Hand Recognition **2016**, 165-186		4
604	Low-Rank Preserving Projections. *IEEE Transactions on Cybernetics*, **2016**, 46, 1900-13	10.2	107
603	A robust signal preprocessing framework for wrist pulse analysis. *Biomedical Signal Processing and Control*, **2016**, 23, 62-75	4.9	39
602	. *IEEE Sensors Journal*, **2016**, 16, 464-474	4	31
601	Multispectral Biometrics **2016**,		2
600	Empirical Study of Light Source Selection for Palmprint Recognition **2016**, 139-151		
599	Approximate Orthogonal Sparse Embedding for Dimensionality Reduction. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 723-35	10.3	135
598	A Level Set Approach to Image Segmentation With Intensity Inhomogeneity. *IEEE Transactions on Cybernetics*, **2016**, 46, 546-57	10.2	284
597	Robust Visual Knowledge Transfer via Extreme Learning Machine Based Domain Adaptation. *IEEE Transactions on Image Processing*, **2016**, 25, 4959-4973	8.7	124
596	Dorsal hand vein recognition via hierarchical combination of texture and shape clues. *Neurocomputing*, **2016**, 214, 815-828	5.4	36

595	Discriminative Learning in Biometrics **2016**,		5
594	Discriminative Learning in Biometrics **2016**, 3-20		1
593	Sparse Representation-Based Classification for Biometric Recognition **2016**, 61-77		1
592	Discriminative Learning via Encouraging Virtual Face Images **2016**, 167-198		
591	Sparse Representation-Based Methods for Face Recognition **2016**, 199-214		1
590	Efficient non-uniform deblurring based on generalized additive convolution model. *Eurasip Journal on Advances in Signal Processing*, **2016**, 2016,	1.9	1
589	A Facial Beauty Analysis Simulation System **2016**, 237-258		
588	A New Hypothesis on Facial Beauty Perception **2016**, 143-163		1
587	Combining a causal effect criterion for evaluation of facial attractiveness models. *Neurocomputing*, **2016**, 177, 98-109	5.4	8
586	Optimal Feature Set for Facial Beauty Analysis **2016**, 103-119		
585	Data-Driven Facial Beauty Analysis: Prediction, Retrieval and Manipulation **2016**, 217-234		
584	An Optimal Pulse System Design by Multichannel Sensors Fusion. *IEEE Journal of Biomedical and Health Informatics*, **2016**, 20, 450-9	7.2	22
583	Comparison of Three Different Types of Wrist Pulse Signals by Their Physical Meanings and Diagnosis Performance. *IEEE Journal of Biomedical and Health Informatics*, **2016**, 20, 119-27	7.2	26
582	LSDT: Latent Sparse Domain Transfer Learning for Visual Adaptation. *IEEE Transactions on Image Processing*, **2016**, 25, 1177-91	8.7	175
581	SVM and ELM: Who Wins? Object Recognition with Deep Convolutional Features from ImageNet. *Proceedings in Adaptation, Learning and Optimization*, **2016**, 249-263	0.2	14
580	Discriminative Transfer Subspace Learning via Low-Rank and Sparse Representation. *IEEE Transactions on Image Processing*, **2016**, 25, 850-63	8.7	186
579	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
578	Calibration transfer and drift compensation of e-noses via coupled task learning. *Sensors and Actuators B: Chemical*, **2016**, 225, 288-297	8.5	57

577	Recurrent TERT promoter mutations in urothelial carcinoma and potential clinical applications. *Annals of Diagnostic Pathology*, **2016**, 21, 7-11	2.2	30
576	A Novel Line-Scan Palmprint Acquisition System. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 46, 1481-1491	7.3	7
575	Quadratic projection based feature extraction with its application to biometric recognition. *Pattern Recognition*, **2016**, 56, 40-49	7.7	8
574	Learning Iteration-wise Generalized Shrinkage-Thresholding Operators for Blind Deconvolution. *IEEE Transactions on Image Processing*, **2016**, 25, 1751-64	8.7	52
573	MetricFusion: Generalized metric swarm learning for similarity measure. *Information Fusion*, **2016**, 30, 80-90	16.7	10
572	Robust single-object image segmentation based on salient transition region. *Pattern Recognition*, **2016**, 52, 317-331	7.7	38
571	Double-orientation code and nonlinear matching scheme for palmprint recognition. *Pattern Recognition*, **2016**, 49, 89-101	7.7	115
570	Half-orientation extraction of palmprint features. *Pattern Recognition Letters*, **2016**, 69, 35-41	4.7	67
569	Online 3D Ear Recognition by Combining Global and Local Features. *PLoS ONE*, **2016**, 11, e0166204	3.7	6
568	Multiple Band Selection of Multispectral Dorsal Hand **2016**, 187-206		2
567	Orientation Features and Distance Measure of Palmprint Authentication **2016**, 113-145		1
566	The Prototype Design of Multispectral Iris Recognition System **2016**, 89-114		
565	Feature Band Selection for Multispectral Iris Recognition **2016**, 63-88		
564	Combining a Causal Effect Criterion for Evaluation of Facial Beauty Models **2016**, 199-215		
563	Discussions and Future Work **2016**, 251-261		
562	Putative Ratio Rules for Facial Beauty Indexing **2016**, 69-87		
561	Facial Landmark Model Design **2016**, 35-52		
560	Multifeature Palmprint Authentication **2016**, 147-164		

559	Fusion Methodologies of Multiple Traits **2016**, 217-247		1
558	Introduction to the IrisCode Theory. *Advances in Computer Vision and Pattern Recognition*, **2016**, 229-245	1.1	
557	Discriminative Features for Palmprint Authentication **2016**, 81-111		
556	Beauty Analysis by Learning Machine and Subspace Extension **2016**, 167-197		
555	Correcting Instrumental Variation and Time-Varying Drift: A Transfer Learning Approach With Autoencoders. *IEEE Transactions on Instrumentation and Measurement*, **2016**, 65, 2012-2022	5.2	48
554	Joint Learning of Single-Image and Cross-Image Representations for Person Re-identification **2016**,		198
553	. *IEEE Sensors Journal*, **2016**, 16, 4919-4931	4	32
552	. *IEEE Transactions on Multimedia*, **2016**, 18, 247-259	6.6	39
551	Individualized learning for improving kernel Fisher discriminant analysis. *Pattern Recognition*, **2016**, 58, 100-109	7.7	13
550	Multi-Label Dictionary Learning for Image Annotation. *IEEE Transactions on Image Processing*, **2016**, 25, 2712-2725	8.7	63
549	Computer Models for Facial Beauty Analysis **2016**,		18
548	Novel Cephalosporins Selectively Active on Nonreplicating Mycobacterium tuberculosis. *Journal of Medicinal Chemistry*, **2016**, 59, 6027-44	8.3	33
547	Geometrics Facial Beauty Study **2016**, 53-68		
546	iPEEH: Improving pitch estimation by enhancing harmonics. *Expert Systems With Applications*, **2016**, 64, 317-329	7.8	3
545	Combining left and right palmprint images for more accurate personal identification. *IEEE Transactions on Image Processing*, **2015**, 24, 549-59	8.7	61
544	Application of complex extreme learning machine to multiclass classification problems with high dimensionality: A THz spectra classification problem **2015**, 40, 40-52		9
543	Fast total-variation based image restoration based on derivative alternated direction optimization methods. *Neurocomputing*, **2015**, 170, 201-212	5.4	20
542	A Novel Multichannel Wrist Pulse System With Different Sensor Arrays. *IEEE Transactions on Instrumentation and Measurement*, **2015**, 64, 2020-2034	5.2	32

541	Robust tongue segmentation by fusing region-based and edge-based approaches. *Expert Systems With Applications*, **2015**, 42, 8027-8038	7.8	20
540	2D facial landmark model design by combining key points and inserted points. *Expert Systems With Applications*, **2015**, 42, 7858-7868	7.8	7
539	Improving the transfer ability of prediction models for electronic noses. *Sensors and Actuators B: Chemical*, **2015**, 220, 115-124	8.5	33
538	Feature selection and analysis on correlated gas sensor data with recursive feature elimination. *Sensors and Actuators B: Chemical*, **2015**, 212, 353-363	8.5	225
537	. *IEEE Access*, **2015**, 3, 490-530	3.5	615
536	Distinguishing nested variants of urothelial carcinoma from benign mimickers by TERT promoter mutation. *American Journal of Surgical Pathology*, **2015**, 39, 127-31	6.7	56
535	A salt & pepper noise filter based on local and global image information. *Neurocomputing*, **2015**, 159, 172-185	5.4	21
534	A framework of joint graph embedding and sparse regression for dimensionality reduction. *IEEE Transactions on Image Processing*, **2015**, 24, 1341-55	8.7	48
533	A novel sensor feature extraction based on kernel entropy component analysis for discrimination of indoor air contaminants. *Sensors and Actuators A: Physical*, **2015**, 234, 143-149	3.9	16
532	Domain Adaptation Extreme Learning Machines for Drift Compensation in E-Nose Systems. *IEEE Transactions on Instrumentation and Measurement*, **2015**, 64, 1790-1801	5.2	213
531	A Kernel Classification Framework for Metric Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 1950-62	10.3	73
530	Ear-parotic face angle: A unique feature for 3D ear recognition. *Pattern Recognition Letters*, **2015**, 53, 9-15	4.7	20
529	An Effective 3D Ear Acquisition System. *PLoS ONE*, **2015**, 10, e0129439	3.7	3
528	Study on novel Curvature Features for 3D fingerprint recognition. *Neurocomputing*, **2015**, 168, 599-608	5.4	53
527	Patch Group Based Nonlocal Self-Similarity Prior Learning for Image Denoising **2015**,		169
526	Domain Adaptation Transfer Extreme Learning Machines. *Proceedings in Adaptation, Learning and Optimization*, **2015**, 103-119	0.2	8
525	Non-convex Regularized Self-representation for Unsupervised Feature Selection. *Lecture Notes in Computer Science*, **2015**, 55-65	0.9	2
524	Improvement on Gabor Texture Feature Based Biometric Analysis Using Image Blurring. *Lecture Notes in Computer Science*, **2015**, 420-430	0.9	1

523	Metric Learning with Relative Distance Constraints: A Modified SVM Approach. *Communications in Computer and Information Science*, **2015**, 242-249	0.3	1
522	Feature-Based 3D Reconstruction Model for Close-Range Objects and Its Application to Human Finger. *Communications in Computer and Information Science*, **2015**, 379-393	0.3	1
521	Combination of linear regression classification and collaborative representation classification. *Neural Computing and Applications*, **2014**, 25, 833-838	4.8	4
520	Noninvasive diabetes mellitus detection using facial block color with a sparse representation classifier. *IEEE Transactions on Biomedical Engineering*, **2014**, 61, 1027-33	5	44
519	Integrate the original face image and its mirror image for face recognition. *Neurocomputing*, **2014**, 131, 191-199	5.4	68
518	Gradient histogram estimation and preservation for texture enhanced image denoising. *IEEE Transactions on Image Processing*, **2014**, 23, 2459-72	8.7	75
517	3D fingerprint reconstruction system using feature correspondences and prior estimated finger model. *Pattern Recognition*, **2014**, 47, 178-193	7.7	31
516	Integrating conventional and inverse representation for face recognition. *IEEE Transactions on Cybernetics*, **2014**, 44, 1738-46	10.2	88
515	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2014**, 24, 1651-1662	6.4	80
514	Modified principal component analysis: an integration of multiple similarity subspace models. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 1538-52	10.3	44
513	A Compound Pressure Signal Acquisition System for Multichannel Wrist Pulse Signal Analysis. *IEEE Transactions on Instrumentation and Measurement*, **2014**, 63, 1556-1565	5.2	37
512	Multilinear sparse principal component analysis. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 1942-50	10.3	158
511	Image Set-Based Collaborative Representation for Face Recognition. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 1120-1132	8	100
510	Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classification. *International Journal of Computer Vision*, **2014**, 109, 209-232	10.6	343
509	Design of a breath analysis system for diabetes screening and blood glucose level prediction. *IEEE Transactions on Biomedical Engineering*, **2014**, 61, 2787-95	5	79
508	Sensor Evaluation in a Breath Analysis System **2014**,		4
507	An additive convolution model for fast restoration of nonuniform blurred images. *International Journal of Computer Mathematics*, **2014**, 91, 2446-2466	1.2	4
506	Wrist Pulse Diagnosis Using Complex Network **2014**,		1

505	Blood glucose prediction by breath analysis system with feature selection and model fusion. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 6406-9	0.9	3
504	Evaluation of the Putative Ratio Rules for Facial Beauty Indexing **2014**,		6
503	A New Hypothesis on Facial Beauty Perception. *ACM Transactions on Applied Perception*, **2014**, 11, 1-20	1.4	7
502	Feature Extraction of Radial Arterial Pulse **2014**,		4
501	Introduction to the Special Section on Biometric Systems and Applications. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 1457-1460	7.3	5
500	Detecting diabetes mellitus and nonproliferative diabetic retinopathy using tongue color, texture, and geometry features. *IEEE Transactions on Biomedical Engineering*, **2014**, 61, 491-501	5	60
499	Fast Visual Tracking via Dense Spatio-temporal Context Learning. *Lecture Notes in Computer Science* , **2014**, 127-141	0.9	278
498	Fast Augmented Lagrangian Method for Image Smoothing with Hyper-Laplacian Gradient Prior. *Communications in Computer and Information Science*, **2014**, 12-21	0.3	1
497	Iris-based medical analysis by geometric deformation features. *IEEE Journal of Biomedical and Health Informatics*, **2013**, 17, 223-31	7.2	14
496	3D Biometrics **2013**,		9
495	Robust kernel representation with statistical local features for face recognition. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 900-12	10.3	74
494	A high quality color imaging system for computerized tongue image analysis. *Expert Systems With Applications*, **2013**, 40, 5854-5866	7.8	29
493	Statistical analysis of tongue images for feature extraction and diagnostics. *IEEE Transactions on Image Processing*, **2013**, 22, 5336-47	8.7	57
492	Fast marching over the 2D Gabor magnitude domain for tongue body segmentation. *Eurasip Journal on Advances in Signal Processing*, **2013**, 2013,	1.9	2
491	Reconstruction based finger-knuckle-print verification with score level adaptive binary fusion. *IEEE Transactions on Image Processing*, **2013**, 22, 5050-62	8.7	35
490	Texture Enhanced Image Denoising via Gradient Histogram Preservation **2013**,		51
489	Joint Registration and Active Contour Segmentation for Object Tracking. *IEEE Transactions on Circuits and Systems for Video Technology*, **2013**, 23, 1589-1597	6.4	19
488	. *IEEE Transactions on Information Forensics and Security*, **2013**, 8, 1446-1455	8	6

487	A survey of graph theoretical approaches to image segmentation. *Pattern Recognition*, **2013**, 46, 1020-1038	7.7	231
486	Complete large margin linear discriminant analysis using mathematical programming approach. *Pattern Recognition*, **2013**, 46, 1579-1594	7.7	21
485	Facial image medical analysis system using quantitative chromatic feature. *Expert Systems With Applications*, **2013**, 40, 3738-3746	7.8	15
484	Computerized facial diagnosis using both color and texture features. *Information Sciences*, **2013**, 221, 49-59	7.7	15
483	Using the idea of the sparse representation to perform coarse-to-fine face recognition. *Information Sciences*, **2013**, 238, 138-148	7.7	108
482	Gabor feature based robust representation and classification for face recognition with Gabor occlusion dictionary. *Pattern Recognition*, **2013**, 46, 1865-1878	7.7	107
481	Is local dominant orientation necessary for the classification of rotation invariant texture?. *Neurocomputing*, **2013**, 116, 182-191	5.4	10
480	. *IEEE Transactions on Information Forensics and Security*, **2013**, 8, 64-75	8	4
479	A sparse representation method of bimodal biometrics and palmprint recognition experiments. *Neurocomputing*, **2013**, 103, 164-171	5.4	33
478	Joint discriminative dimensionality reduction and dictionary learning for face recognition. *Pattern Recognition*, **2013**, 46, 2134-2143	7.7	76
477	Regularized robust coding for face recognition. *IEEE Transactions on Image Processing*, **2013**, 22, 1753-66	8.7	207
476	Reinitialization-free level set evolution via reaction diffusion. *IEEE Transactions on Image Processing*, **2013**, 22, 258-71	8.7	150
475	Palm-Print Classification by Global Features. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2013**, 43, 370-378	7.3	25
474	3D Fingerprint Acquisition Device **2013**, 171-194		1
473	Fast gradient vector flow computation based on augmented Lagrangian method. *Pattern Recognition Letters*, **2013**, 34, 219-225	4.7	14
472	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2013**, 43, 1154-1166	7.3	3
471	Touchless Multiview Fingerprint Acquisition and Mosaicking. *IEEE Transactions on Instrumentation and Measurement*, **2013**, 62, 2492-2502	5.2	27
470	Sparse tensor discriminant analysis. *IEEE Transactions on Image Processing*, **2013**, 22, 3904-15	8.7	100

469	Tongue color analysis for medical application. *Evidence-based Complementary and Alternative Medicine*, **2013**, 2013, 264742	2.3	19
468	Joint Line and Orientation Features in 3D Palmprint **2013**, 153-167		
467	A new tongue colorchecker design by space representation for precise correction. *IEEE Journal of Biomedical and Health Informatics*, **2013**, 17, 381-91	7.2	17
466	**2013**,		153
465	From Point to Set: Extend the Learning of Distance Metrics **2013**,		81
464	Multiscale Sample Entropy Analysis of Wrist Pulse Blood Flow Signal for Disease Diagnosis. *Lecture Notes in Computer Science*, **2013**, 475-482	0.9	7
463	A Derivative Augmented Lagrangian Method for Fast Total Variation Based Image Restoration. *Lecture Notes in Computer Science*, **2013**, 287-294	0.9	3
462	An Introduction to the IrisCode Theory **2013**, 321-336		
461	3D Ear Feature Extraction and Recognition **2013**, 69-81		
460	3D Palmprint Classification by Global Features **2013**, 135-152		1
459	Automated Tongue Segmentation Based on 2D Gabor Filters and Fast Marching. *Lecture Notes in Computer Science*, **2013**, 328-335	0.9	1
458	3D Fingerprint Reconstruction **2013**, 195-216		
457	3D Information in Palmprint **2013**, 105-133		
456	3D Face Verification System **2013**, 257-278		
455	Two Significant Characteristics in 3D Ear **2013**, 51-68		
454	3D Ear Acquisition System **2013**, 37-50		
453	3D Fingerprint Identification System **2013**, 217-230		
452	3D Biometrics Technologies and Systems **2013**, 19-33		1

451	3D Palmprint Capturing System **2013**, 85-104		3
450	Vessel segmentation and width estimation in retinal images using multiscale production of matched filter responses. *Expert Systems With Applications*, **2012**, 39, 7600-7610	7.8	70
449	Robust mean-shift tracking with corrected background-weighted histogram. *IET Computer Vision*, **2012**, 6, 62	1.4	108
448	Scale and orientation adaptive mean shift tracking. *IET Computer Vision*, **2012**, 6, 52	1.4	76
447	Image denoising and zooming under the linear minimum mean square-error estimation framework. *IET Image Processing*, **2012**, 6, 273	1.7	10
446	Phase congruency induced local features for finger-knuckle-print recognition. *Pattern Recognition*, **2012**, 45, 2522-2531	7.7	88
445	Hand shape recognition based on coherent distance shape contexts. *Pattern Recognition*, **2012**, 45, 3348-3359	7.7	24
444	Optimal subset-division based discrimination and its kernelization for face and palmprint recognition. *Pattern Recognition*, **2012**, 45, 3590-3602	7.7	17
443	. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2012**, 42, 443-452		34
442	. *IEEE Transactions on Fuzzy Systems*, **2012**, 20, 69-81	8.3	72
441	Feature Band Selection for Online Multispectral Palmprint Recognition. *IEEE Transactions on Information Forensics and Security*, **2012**, 7, 1094-1099	8	47
440	. *IEEE Transactions on Instrumentation and Measurement*, **2012**, 61, 1966-1978	5.2	16
439	Rotation-invariant nonrigid point set matching in cluttered scenes. *IEEE Transactions on Image Processing*, **2012**, 21, 2786-97	8.7	18
438	Combination of heterogeneous features for wrist pulse blood flow signal diagnosis via multiple kernel learning. *IEEE Transactions on Information Technology in Biomedicine*, **2012**, 16, 598-606		30
437	Rank Entropy-Based Decision Trees for Monotonic Classification. *IEEE Transactions on Knowledge and Data Engineering*, **2012**, 24, 2052-2064	4.2	104
436	Face feature extraction and recognition based on discriminant subclass-center manifold preserving projection. *Pattern Recognition Letters*, **2012**, 33, 709-717	4.7	3
435	Monogenic Binary Coding: An Efficient Local Feature Extraction Approach to Face Recognition. *IEEE Transactions on Information Forensics and Security*, **2012**, 7, 1738-1751	8	76
434	Automatic tongue image segmentation based on gradient vector flow and region merging. *Neural Computing and Applications*, **2012**, 21, 1819-1826	4.8	39

433	Local directional derivative pattern for rotation invariant texture classification. *Neural Computing and Applications*, **2012**, 21, 1893-1904	4.8	43
432	A Comparative Study of Palmprint Recognition Algorithms. *ACM Computing Surveys*, **2012**, 44, 1-37	13.4	156
431	Design and implementation of a multi-channel pulse signal acquisition system **2012**,		8
430	Supervised and Unsupervised Parallel Subspace Learning for Large-Scale Image Recognition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2012**, 22, 1497-1511	6.4	18
429	On Robust Fuzzy Rough Set Models. *IEEE Transactions on Fuzzy Systems*, **2012**, 20, 636-651	8.3	99
428	Design and implementation of a contactless multiple hand feature acquisition system **2012**,		2
427	Non-invasive blood glucose monitoring for diabetics by means of breath signal analysis. *Sensors and Actuators B: Chemical*, **2012**, 173, 106-113	8.5	61
426	A study of hand back skin texture patterns for personal identification and gender classification. *Sensors*, **2012**, 12, 8691-709	3.8	10
425	Optimal wavelength band clustering for multispectral iris recognition. *Applied Optics*, **2012**, 51, 4275-84	1.7	6
424	Ontology Building Based on Two-layer Ontology Model **2012**,		1
423	A novel breath analysis system for diabetes diagnosis **2012**,		8
422	A comprehensive evaluation of full reference image quality assessment algorithms **2012**,		90
421	Relaxed collaborative representation for pattern classification **2012**,		26
420	Analysis of pulse waveforms preprocessing **2012**,		7
419	IMPACT OF FULL RANK PRINCIPAL COMPONENT ANALYSIS ON CLASSIFICATION ALGORITHMS FOR FACE RECOGNITION. *International Journal of Pattern Recognition and Artificial Intelligence*, **2012**, 26, 1256005	1.1	3
418	Data Infrastructure at LinkedIn **2012**,		30
417	Sparsity Preserving Embedding with Manifold Learning and Discriminant Analysis. *IEICE Transactions on Information and Systems*, **2012**, E95-D, 271-274	0.6	2
416	Efficient Misalignment-Robust Representation for Real-Time Face Recognition. *Lecture Notes in Computer Science*, **2012**, 850-863	0.9	16

415	Ensemble of k-Labelset Classifiers for Multi-label Image Classification. *International Federation for Information Processing*, **2012**, 364-371		
414	An Algorithm Based on Augmented Lagrangian Method for Generalized Gradient Vector Flow Computation. *Communications in Computer and Information Science*, **2012**, 170-177	0.3	
413	3-D Palmprint Recognition With Joint Line and Orientation Features. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2011**, 41, 274-279		46
412	Robust sparse coding for face recognition **2011**,		301
411	Tongue coating image retrieval **2011**,		2
410	A Unified Framework for Contactless Hand Verification. *IEEE Transactions on Information Forensics and Security*, **2011**, 6, 1014-1027	8	78
409	Combine crossing matching scores with conventional matching scores for bimodal biometrics and face and palmprint recognition experiments. *Neurocomputing*, **2011**, 74, 3946-3952	5.4	44
408	. *IEEE Transactions on Instrumentation and Measurement*, **2011**, 60, 863-871	5.2	63
407	Contactless and pose invariant biometric identification using hand surface. *IEEE Transactions on Image Processing*, **2011**, 20, 1415-24	8.7	51
406	Modified local entropy-based transition region extraction and thresholding. *Applied Soft Computing Journal*, **2011**, 11, 5630-5638	7.5	18
405	FSIM: a feature similarity index for image quality assessment. *IEEE Transactions on Image Processing*, **2011**, 20, 2378-86	8.7	2523
404	Computerized wrist pulse signal diagnosis using modified auto-regressive models. *Journal of Medical Systems*, **2011**, 35, 321-8	5.1	55
403	Accelerating the kernel-method-based feature extraction procedure from the viewpoint of numerical approximation. *Neural Computing and Applications*, **2011**, 20, 1087-1096	4.8	6
402	Facial expression recognition on multiple manifolds. *Pattern Recognition*, **2011**, 44, 107-116	7.7	77
401	From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. *Pattern Recognition*, **2011**, 44, 1387-1402	7.7	49
400	Measuring relevance between discrete and continuous features based on neighborhood mutual information. *Expert Systems With Applications*, **2011**, 38, 10737-10750	7.8	96
399	A linear subspace learning approach via sparse coding **2011**,		17
398	A Two-Phase Test Sample Sparse Representation Method for Use With Face Recognition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2011**, 21, 1255-1262	6.4	352

397	Sparse cost-sensitive classifier with application to face recognition **2011**,		7
396	Tongue color visualization for local pixel **2011**,		1
395	Automatic image segmentation by dynamic region merging. *IEEE Transactions on Image Processing*, **2011**, 20, 3592-605	8.7	98
394	Fisher Discrimination Dictionary Learning for sparse representation **2011**,		495
393	Local linear discriminant analysis framework using sample neighbors. *IEEE Transactions on Neural Networks*, **2011**, 22, 1119-32		131
392	Online joint palmprint and palmvein verification. *Expert Systems With Applications*, **2011**, 38, 2621-2631	7.8	88
391	Ensemble of local and global information for finger-knuckle-print recognition. *Pattern Recognition*, **2011**, 44, 1990-1998	7.7	142
390	Quantitative analysis of human facial beauty using geometric features. *Pattern Recognition*, **2011**, 44, 940-950	7.7	65
389	On accurate orientation extraction and appropriate distance measure for low-resolution palmprint recognition. *Pattern Recognition*, **2011**, 44, 964-972	7.7	20
388	A novel hierarchical fingerprint matching approach. *Pattern Recognition*, **2011**, 44, 1604-1613	7.7	28
387	Image segmentation by iterated region merging with localized graph cuts. *Pattern Recognition*, **2011**, 44, 2527-2538	7.7	45
386	Empirical study of light source selection for palmprint recognition. *Pattern Recognition Letters*, **2011**, 32, 120-126	4.7	21
385	Fast palmprint identification with multiple templates per subject. *Pattern Recognition Letters*, **2011**, 32, 1108-1118	4.7	14
384	Color image canonical correlation analysis for face feature extraction and recognition. *Signal Processing*, **2011**, 91, 2132-2140	4.4	36
383	An LDA based sensor selection approach used in breath analysis system. *Sensors and Actuators B: Chemical*, **2011**, 157, 265-274	8.5	12
382	Sparse representation-based classification for breath sample identification. *Sensors and Actuators B: Chemical*, **2011**, 158, 43-53	8.5	12
381	EVALUATE DISSIMILARITY OF SAMPLES IN FEATURE SPACE FOR IMPROVING KPCA. *International Journal of Information Technology and Decision Making*, **2011**, 10, 479-495	2.8	25
380	Discriminant subclass-center manifold preserving projection for face feature extraction **2011**,		4

379	**2011**,		6
378	An augmented Lagrangian method for fast gradient vector flow computation **2011**,		4
377	Face recognition based on local uncorrelated and weighted global uncorrelated discriminant transforms **2011**,		9
376	Bimodal biometrics based on a representation and recognition approach. *Optical Engineering*, **2011**, 50, 037202	1.1	43
375	Natura-alpha targets forkhead box m1 and inhibits androgen-dependent and -independent prostate cancer growth and invasion. *Clinical Cancer Research*, **2011**, 17, 4414-24	12.9	27
374	A novel kernel discriminant feature extraction framework based on mapped virtual samples for face recognition **2011**,		3
373	Learning with multiple Gaussian distance kernels for time series classification **2011**,		1
372	Band Selection for Improvement of Dorsal Hand Recognition **2011**,		4
371	Adaptive Weighted Fusion of Local Kernel Classifiers for Effective Pattern Classification. *Lecture Notes in Computer Science*, **2011**, 63-70	0.9	3
370	A Novel Feature Extraction Method of Toothprint on Tongue in Traditional Chinese Medicine. *Communications in Computer and Information Science*, **2011**, 297-305	0.3	1
369	Represent and fuse bimodal biometric images at the feature level: complex-matrix-based fusion scheme. *Optical Engineering*, **2010**, 49, 037002	1.1	44
368	An Effective Feature Extraction Method Used in Breath Analysis. *Lecture Notes in Computer Science*, **2010**, 33-41	0.9	
367	Holistic orthogonal analysis of discriminant transforms for color face recognition **2010**,		10
366	The multiscale competitive code via sparse representation for palmprint verification **2010**,		48
365	Efficient joint 2D and 3D palmprint matching with alignment refinement **2010**,		42
364	Fingerprint Pore Matching Based on Sparse Representation **2010**,		20
363	Data Classification on Multiple Manifolds **2010**,		2
362	Monogenic Binary Pattern (MBP): A Novel Feature Extraction and Representation Model for Face Recognition **2010**,		20

361	Resource Allocation in LTE OFDMA Systems Using Genetic Algorithm and Semi-Smart Antennas **2010**,		13
360	Metaface learning for sparse representation based face recognition **2010**,		198
359	Parallel versus Hierarchical Fusion of Extended Fingerprint Features **2010**,		2
358	Video action recognition with spatio-temporal graph embedding and spline modeling **2010**,		11
357	Texture classification via patch-based sparse texton learning **2010**,		19
356	Exploratory tongue color analysis with manifold learning **2010**,		1
355	A completed modeling of local binary pattern operator for texture classification. *IEEE Transactions on Image Processing*, **2010**, 19, 1657-63	8.7	1283
354	On the Dimensionality Reduction for Sparse Representation Based Face Recognition **2010**,		49
353	Diabetes Identification and Classification by Means of a Breath Analysis System. *Lecture Notes in Computer Science*, **2010**, 52-63	0.9	10
352	Gaussian ERP Kernel Classifier for Pulse Waveforms Classification **2010**,		5
351	An analysis of IrisCode. *IEEE Transactions on Image Processing*, **2010**, 19, 522-32	8.7	44
350	Feature Band Selection for Multispectral Palmprint Recognition **2010**,		12
349	ICP registration using principal line and orientation features for palmprint alignment **2010**,		6
348	Studies on Hyperspectral Face Recognition in Visible Spectrum With Feature Band Selection. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2010**, 40, 1354-1361		87
347	Rotation invariant texture classification using adaptive LBP with directional statistical features **2010**,		41
346	Hierarchical multiscale LBP for face and palmprint recognition **2010**,		73
345	Monogenic-LBP: A new approach for rotation invariant texture classification **2010**,		38
344	Human hand identification with 3D hand pose variations **2010**,		6

343	Time Series Classification Using Support Vector Machine with Gaussian Elastic Metric Kernel **2010**,		26
342	MonogenicCode: A Novel Fast Feature Coding Algorithm with Applications to Finger-Knuckle-Print Recognition **2010**,		22
341	Monitor blood glucose levels via breath analysis system and Sparse Representation approach **2010**,		1
340	A comparative study on quality assessment of high resolution fingerprint images **2010**,		15
339	Classification of Pulse Waveforms Using Edit Distance with Real Penalty. *Eurasip Journal on Advances in Signal Processing*, **2010**, 2010,	1.9	21
338	Interactive image segmentation by maximal similarity based region merging. *Pattern Recognition*, **2010**, 43, 445-456	7.7	252
337	High resolution partial fingerprint alignment using pore–valley descriptors. *Pattern Recognition*, **2010**, 43, 1050-1061	7.7	80
336	Two-stage image denoising by principal component analysis with local pixel grouping. *Pattern Recognition*, **2010**, 43, 1531-1549	7.7	445
335	LPP solution schemes for use with face recognition. *Pattern Recognition*, **2010**, 43, 4165-4176	7.7	137
334	Fast and convergence-guaranteed algorithm for linear separation. *Science China Information Sciences*, **2010**, 53, 729-737	3.4	0
333	A novel breath analysis system based on electronic olfaction. *IEEE Transactions on Biomedical Engineering*, **2010**, 57,	5	108
332	. *IEEE Transactions on Information Forensics and Security*, **2010**, 5, 92-102	8	46
331	. *IEEE Transactions on Instrumentation and Measurement*, **2010**, 59, 480-490	5.2	258
330	Improving Biometric Authentication Performance From the User Quality. *IEEE Transactions on Instrumentation and Measurement*, **2010**, 59, 730-735	5.2	40
329	An optimized tongue image color correction scheme. *IEEE Transactions on Information Technology in Biomedicine*, **2010**, 14, 1355-64		75
328	A unified distance measurement for orientation coding in palmprint verification. *Neurocomputing*, **2010**, 73, 944-950	5.4	32
327	An efficient method for computing orthogonal discriminant vectors. *Neurocomputing*, **2010**, 73, 2168-2176	5.4	15
326	Post-processed LDA for face and palmprint recognition: What is the rationale. *Signal Processing*, **2010**, 90, 2344-2352	4.4	20

325	Robust palmprint verification using 2D and 3D features. *Pattern Recognition*, **2010**, 43, 358-368	7.7	75
324	Rotation invariant texture classification using LBP variance (LBPV) with global matching. *Pattern Recognition*, **2010**, 43, 706-719	7.7	574
323	Adaptive fingerprint pore modeling and extraction. *Pattern Recognition*, **2010**, 43, 2833-2844	7.7	80
322	Dynamic tongueprint: A novel biometric identifier. *Pattern Recognition*, **2010**, 43, 1071-1082	7.7	21
321	A feature extraction method for use with bimodal biometrics. *Pattern Recognition*, **2010**, 43, 1106-1115	7.7	119
320	Online finger-knuckle-print verification for personal authentication. *Pattern Recognition*, **2010**, 43, 2560-2571	7.7	240
319	Independent components extraction from image matrix. *Pattern Recognition Letters*, **2010**, 31, 171-178	4.7	14
318	Directional binary code with application to PolyU near-infrared face database. *Pattern Recognition Letters*, **2010**, 31, 2337-2344	4.7	88
317	Tongue shape classification by geometric features. *Information Sciences*, **2010**, 180, 312-324	7.7	53
316	Survey of Palmprint Recognition Algorithms. *Zidonghua Xuebao/Acta Automatica Sinica*, **2010**, 36, 353-365		12
315	Kernel False-Colour Transformation and Line Extraction for Fissured Tongue Image. *Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics*, **2010**, 22, 771-776	0.6	6
314	Wrist blood flow signal-based computerized pulse diagnosis using spatial and spectrum features. *Journal of Biomedical Science and Engineering*, **2010**, 03, 361-366	0.7	44
313	A Multi-scale Bilateral Structure Tensor Based Corner Detector. *Lecture Notes in Computer Science*, **2010**, 618-627	0.9	8
312	A Benchmark for Geometric Facial Beauty Study. *Lecture Notes in Computer Science*, **2010**, 21-32	0.9	30
311	A Comparative Study of Color Correction Algorithms for Tongue Image Inspection. *Lecture Notes in Computer Science*, **2010**, 392-402	0.9	7
310	Mining Hot Clusters of Similar Anomalies for System Management. *Lecture Notes in Computer Science*, **2010**, 359-371	0.9	
309	Semantic Trajectory Based Video Event Detection. *Jisuanji Xuebao/Chinese Journal of Computers*, **2010**, 33, 1845-1858		
308	Wrist-Pulse Signal Diagnosis Using ICPulse **2009**,		1

307	Dynamic Subcarrier and Power Allocation in LTE Networks **2009**,		2
306	Finger-Knuckle-Print Verification Based on Band-Limited Phase-Only Correlation. *Lecture Notes in Computer Science*, **2009**, 141-148	0.9	69
305	Three dimensional palmprint recognition **2009**,		17
304	Pattern Classification for Doppler Ultrasonic Wrist Pulse Signals **2009**,		5
303	Applied Research of Delaminated Real-Time Network Framework Based on RTX in Simulation **2009**,		2
302	Second-Level Partition for Estimating FAR Confidence Intervals in Biometric Systems. *Lecture Notes in Computer Science*, **2009**, 58-65	0.9	4
301	Competitive code-based fast palmprint identification using a set of cover trees. *Optical Engineering*, **2009**, 48, 067204	1.1	8
300	Detection and toxin typing of Clostridium perfringens in formalin-fixed, paraffin-embedded tissue samples by PCR. *Journal of Clinical Microbiology*, **2009**, 47, 807-10	9.7	29
299	Sequential row–column independent component analysis for face recognition. *Neurocomputing*, **2009**, 72, 1152-1159	5.4	21
298	A modified matched filter with double-sided thresholding for screening proliferative diabetic retinopathy. *IEEE Transactions on Information Technology in Biomedicine*, **2009**, 13, 528-34		58
297	Wrist pulse signal diagnosis using modified Gaussian models and Fuzzy C-Means classification. *Medical Engineering and Physics*, **2009**, 31, 1283-9	2.4	95
296	Object separation by polarimetric and spectral imagery fusion. *Computer Vision and Image Understanding*, **2009**, 113, 855-866	4.3	31
295	Simulation of mm-wave signal generation using phase modulation in ROF system. *Optoelectronics Letters*, **2009**, 5, 205-208	0.7	1
294	Orientation selection using modified FCM for competitive code-based palmprint recognition. *Pattern Recognition*, **2009**, 42, 2841-2849	7.7	58
293	A survey of palmprint recognition. *Pattern Recognition*, **2009**, 42, 1408-1418	7.7	375
292	Palmprint verification using binary orientation co-occurrence vector. *Pattern Recognition Letters*, **2009**, 30, 1219-1227	4.7	181
291	Improving the interest operator for face recognition. *Expert Systems With Applications*, **2009**, 36, 9719-9728	7.8	14
290	A universal texture segmentation and representation scheme based on ant colony optimization for iris image processing. *Computers and Mathematics With Applications*, **2009**, 57, 1862-1868	2.7	14

289	ROBUST OBJECT TRACKING USING JOINT COLOR-TEXTURE HISTOGRAM. *International Journal of Pattern Recognition and Artificial Intelligence*, **2009**, 23, 1245-1263	1.1	134
288	Rotation Invariant Texture Classification Using Binary Filter Response Pattern (BFRP). *Lecture Notes in Computer Science*, **2009**, 1130-1137	0.9	2
287	Palmprint Recognition Using 3-D Information. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2009**, 39, 505-519		107
286	PCA-based spatially adaptive denoising of CFA images for single-sensor digital cameras. *IEEE Transactions on Image Processing*, **2009**, 18, 797-812	8.7	108
285	Finger-knuckle-print: A new biometric identifier **2009**,		98
284	Palmprint verification using consistent orientation coding **2009**,		1
283	Combining 2D and 3D hand geometry features for biometric verification **2009**,		23
282	Face Recognition Based on Nonlinear DCT Discriminant Feature Extraction Using Improved Kernel DCV. *IEICE Transactions on Information and Systems*, **2009**, E92-D, 2527-2530	0.6	5
281	Evolutionary Discriminant Feature Extraction with Application to Face Recognition. *Eurasip Journal on Advances in Signal Processing*, **2009**, 2009,	1.9	2
280	Advanced Pattern Recognition Technologies with Applications to Biometrics. *Advances in Information and Communication Technology Education Series*, **2009**,		43
279	Spatially Smooth Subspace Face Recognition Using LOG and DOG Penalties. *Lecture Notes in Computer Science*, **2009**, 439-448	0.9	2
278	Direct Pore Matching for Fingerprint Recognition. *Lecture Notes in Computer Science*, **2009**, 597-606	0.9	43
277	Differential Feature Analysis for Palmprint Authentication. *Lecture Notes in Computer Science*, **2009**, 125-132	0.9	2
276	Is White Light the Best Illumination for Palmprint Recognition?. *Lecture Notes in Computer Science*, **2009**, 50-57	0.9	2
275	Multi-view Ear Recognition Based on Moving Least Square Pose Interpolation. *Lecture Notes in Computer Science*, **2009**, 1085-1095	0.9	
274	A novel face recognition approach based on kernel discriminative common vectors (KDCV) feature extraction and RBF neural network. *Neurocomputing*, **2008**, 71, 3044-3048	5.4	16
273	An approach for directly extracting features from matrix data and its application in face recognition. *Neurocomputing*, **2008**, 71, 1857-1865	5.4	81
272	A highly scalable incremental facial feature extraction method. *Neurocomputing*, **2008**, 71, 1883-1888	5.4	11

271	Comments on "An Adaptive Multimodal Biometric Management Algorithm. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2008**, 38, 841-843		3
270	Multispectral palmprint recognition using wavelet-based image fusion **2008**,		6
269	A performance evaluation of filter design and coding schemes for palmprint recognition **2008**,		12
268	Dark line detection with line width extraction **2008**,		7
267	Incorporating user quality for performance improvement in hand identification **2008**,		3
266	A cryptosystem based on palmprint feature **2008**,		28
265	Wavelet Based Analysis of Doppler Ultrasonic Wrist-pulse Signals **2008**,		37
264	Establishing the credibility of a biotech simulation model **2008**,		3
263	Three Dimensional Palmprint Recognition using Structured Light Imaging **2008**,		19
262	A Novel Cryptosystem Based on Iris Key Generation **2008**,		40
261	A New Approach to the $L(2,1)$ -Labeling of Some Products of Graphs. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 802-805	3.5	6
260	**2008**,		2
259	An Iris Cryptosystem for Information Security **2008**,		26
258	Palmprint identification based on directional representation. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	3
257	A THEORETICAL FRAMEWORK FOR MATRIX-BASED FEATURE EXTRACTION ALGORITHMS WITH ITS APPLICATION TO IMAGE RECOGNITION. *International Journal of Image and Graphics*, **2008**, 08, 1-23	0.5	9
256	Directional independent component analysis with tensor representation **2008**,		11
255	Adaptive pore model for fingerprint pore extraction **2008**,		17
254	Improved Bounds on the $L(2,1)$-Number of Direct and Strong Products of Graphs. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 685-689	3.5	9

253	Multiscale competitive code for efficient palmprint recognition **2008**,		25
252	Tongue line extraction **2008**,		5
251	A multimodal biometric authentication system based on 2D and 3D palmprint features **2008**,		4
250	The . *Applied Mathematics Letters*, **2008**, 21, 37-41	3.5	7
249	Median Fisher Discriminator: a robust feature extraction method with applications to biometrics. *Frontiers of Computer Science*, **2008**, 2, 295-305		7
248	On kernel difference-weighted k-nearest neighbor classification. *Pattern Analysis and Applications*, **2008**, 11, 247-257	2.3	68
247	Three measures for secure palmprint identification. *Pattern Recognition*, **2008**, 41, 1329-1337	7.7	56
246	Interest filter vs. interest operator: Face recognition using Fisher linear discriminant based on interest filter representation. *Pattern Recognition Letters*, **2008**, 29, 1849-1857	4.7	6
245	Face recognition using FLDA with single training image per person. *Applied Mathematics and Computation*, **2008**, 205, 726-734	2.7	112
244	The L(2,1)-labeling on Cartesian sum of graphs. *Applied Mathematics Letters*, **2008**, 21, 843-848	3.5	2
243	Improved upper bounds on the L(2,1) -labeling of the skew and converse skew product graphs. *Theoretical Computer Science*, **2008**, 400, 230-233	1.1	3
242	Palmprint verification based on principal lines. *Pattern Recognition*, **2008**, 41, 1316-1328	7.7	234
241	Palmprint verification based on robust line orientation code. *Pattern Recognition*, **2008**, 41, 1504-1513	7.7	322
240	A New Solution Scheme of Unsupervised Locality Preserving Projection Method for the SSS Problem. *Lecture Notes in Computer Science*, **2008**, 775-781	0.9	2
239	A Palmprint Authentication System **2008**, 171-187		2
238	Block Independent Component Analysis for Face Recognition **2007**,		6
237	Color reproduction from noisy CFA data of single sensor digital cameras. *IEEE Transactions on Image Processing*, **2007**, 16, 2184-97	8.7	35
236	Detecting Iris Lacunae Based on Gaussian Filter **2007**,		4

235	Bagging Evolutionary Feature Extraction Algorithm for Classification **2007**,		2
234	Baseline wander correction in pulse waveforms using wavelet-based cascaded adaptive filter. *Computers in Biology and Medicine*, **2007**, 37, 716-31	7	68
233	Classification of hyperspectral medical tongue images for tongue diagnosis. *Computerized Medical Imaging and Graphics*, **2007**, 31, 672-8	7.6	69
232	A joint demosaicking–zooming scheme for single chip digital color cameras. *Computer Vision and Image Understanding*, **2007**, 107, 14-25	4.3	10
231	The relative distance of key point based iris recognition. *Pattern Recognition*, **2007**, 40, 423-430	7.7	50
230	The theoretical analysis of GLRAM and its applications. *Pattern Recognition*, **2007**, 40, 1032-1041	7.7	11
229	Face and palmprint pixel level fusion and Kernel DCV-RBF classifier for small sample biometric recognition. *Pattern Recognition*, **2007**, 40, 3209-3224	7.7	110
228	A method for speeding up feature extraction based on KPCA. *Neurocomputing*, **2007**, 70, 1056-1061	5.4	89
227	Combination of two novel LDA-based methods for face recognition. *Neurocomputing*, **2007**, 70, 735-742	5.4	20
226	Extracting the autonomic nerve wreath of iris based on an improved snake approach. *Neurocomputing*, **2007**, 70, 743-748	5.4	3
225	A parameterized direct LDA and its application to face recognition. *Neurocomputing*, **2007**, 71, 191-196	5.4	29
224	Computational Intelligence-Based Biometric Technologies. *IEEE Computational Intelligence Magazine*, **2007**, 2, 26-36	5.6	28
223	Moving Vehicle Detection for Automatic Traffic Monitoring. *IEEE Transactions on Vehicular Technology*, **2007**, 56, 51-59	6.8	125
222	. *IEEE Transactions on Information Forensics and Security*, **2007**, 2, 181-187	8	38
221	Face recognition based on a novel linear discriminant criterion. *Pattern Analysis and Applications*, **2007**, 10, 165-174	2.3	19
220	Facial Feature Extraction Method Based on Coefficients of Variances. *Journal of Computer Science and Technology*, **2007**, 22, 626-632	1.7	2
219	The . *Applied Mathematics Letters*, **2007**, 20, 59-64	3.5	2
218	Human gait recognition by the fusion of motion and static spatio-temporal templates. *Pattern Recognition*, **2007**, 40, 2563-2573	7.7	72

217	FIVE NEW FEATURE SELECTION METRICS IN TEXT CATEGORIZATION. *International Journal of Pattern Recognition and Artificial Intelligence*, **2007**, 21, 1085-1101	1.1	7
216	**2007**,		3
215	A Novel Simulation Approach For Estimating Residential Power Demand Based on Multi-Agent Society **2007**,		2
214	Fusion of Palmprint and Iris for Personal Authentication. *Lecture Notes in Computer Science*, **2007**, 466-475	0.9	8
213	Tongue-Print: A Novel Biometrics Pattern. *Lecture Notes in Computer Science*, **2007**, 1174-1183	0.9	9
212	Combining Left and Right Irises for Personal Authentication. *Lecture Notes in Computer Science*, **2007**, 145-152	0.9	3
211	Ear authentication using Log-Gabor wavelets **2007**,		21
210	A Spherical Rectification for Dual-PTZ-Camera System **2007**,		3
209	Automated tongue segmentation in hyperspectral images for medicine. *Applied Optics*, **2007**, 46, 8328-34	1.7	55
208	Globally maximizing, locally minimizing: unsupervised discriminant projection with applications to face and palm biometrics. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 650-64	13.3	385
207	Constructing PCA baseline algorithms to reevaluate ICA-based face-recognition performance. *IEEE Transactions on Systems, Man, and Cybernetics*, **2007**, 37, 1015-21		40
206	Comments on "on image matrix based feature extraction algorithms". *IEEE Transactions on Systems, Man, and Cybernetics*, **2007**, 37, 1373-4		8
205	A multiple maximum scatter difference discriminant criterion for facial feature extraction. *IEEE Transactions on Systems, Man, and Cybernetics*, **2007**, 37, 1599-606		51
204	Palmprint Verification using Complex Wavelet Transform **2007**,		22
203	Detecting wide lines using isotropic nonlinear filtering. *IEEE Transactions on Image Processing*, **2007**, 16, 1584-95	8.7	57
202	A Tongue-Print Image Database for Recognition **2007**,		11
201	Iteratively Reweighted Fitting for Reduced Multivariate Polynomial Model. *Lecture Notes in Computer Science*, **2007**, 583-592	0.9	
200	Singular Points Analysis in Fingerprints Based on Topological Structure and Orientation Field. *Lecture Notes in Computer Science*, **2007**, 261-270	0.9	7

199	A Novel Null Space-Based Kernel Discriminant Analysis for Face Recognition. *Lecture Notes in Computer Science*, **2007**, 547-556	0.9	
198	Minimizing Spatial Deformation Method for Online Signature Matching. *Lecture Notes in Computer Science*, **2007**, 646-652	0.9	2
197	Automated Personal Authentication Using Both Palmprints. *Lecture Notes in Computer Science*, **2007**, 450-453	0.9	
196	Extracting Tongue Cracks Using the Wide Line Detector. *Lecture Notes in Computer Science*, **2007**, 49-56	0.9	4
195	Modular Neural Networks and Their Applications in Biometrics **2007**, 337-365		5
194	Kernel Difference-Weighted k-Nearest Neighbors Classification. *Lecture Notes in Computer Science*, **2007**, 861-870	0.9	2
193	A Palmprint Cryptosystem. *Lecture Notes in Computer Science*, **2007**, 1035-1042	0.9	6
192	A fast kernel-based nonlinear discriminant analysis for multi-class problems. *Pattern Recognition*, **2006**, 39, 1026-1033	7.7	92
191	Face recognition based on discriminant fractional Fourier feature extraction. *Pattern Recognition Letters*, **2006**, 27, 1465-1471	4.7	27
190	Dual relations in physical and cyber space. *Science Bulletin*, **2006**, 51, 121-128		3
189	Robust kernel discriminant analysis and its application to feature extraction and recognition. *Neurocomputing*, **2006**, 69, 928-933	5.4	5
188	An alternative formulation of kernel LPP with application to image recognition. *Neurocomputing*, **2006**, 69, 1733-1738	5.4	50
187	Locally principal component learning for face representation and recognition. *Neurocomputing*, **2006**, 69, 1697-1701	5.4	9
186	A novel dimensionality-reduction approach for face recognition. *Neurocomputing*, **2006**, 69, 1683-1687	5.4	7
185	Three-dimensional surface registration: A neural network strategy. *Neurocomputing*, **2006**, 70, 597-602	5.4	12
184	A snake-based approach to automated segmentation of tongue image using polar edge detector. *International Journal of Imaging Systems and Technology*, **2006**, 16, 103-112	2.5	19
183	Median LDA: A Robust Feature Extraction Method for Face Recognition **2006**,		13
182	Unsupervised Discriminant Projection Analysis for Feature Extr **2006**,		2

181	Palmprint Texture Analysis Using Derivative of Gaussian Filters **2006**,		26
180	"Non-locality" Preserving Projection and Its Application to Palmprint Recognition **2006**,		2
179	A PUBLIC MESH WATERMARKING ALGORITHM BASED ON ADDITION PROPERTY OF FOURIER TRANSFORM. *International Journal of Image and Graphics*, **2006**, 06, 35-43	0.5	2
178	INTEGRATING SHAPE AND TEXTURE FOR HAND VERIFICATION. *International Journal of Image and Graphics*, **2006**, 06, 101-113	0.5	6
177	Personal recognition using hand shape and texture. *IEEE Transactions on Image Processing*, **2006**, 15, 2454-61	8.7	181
176	A New Approach to Automated Retinal Vessel Segmentation Using Multiscale Analysis **2006**,		3
175	COMBINING FINGERPRINT, PALMPRINT AND HAND-SHAPE FOR USER AUTHENTICATION **2006**,		27
174	Does EigenPalm work? A System and Evaluation Perspective **2006**,		5
173	BDPCA plus LDA: a novel fast feature extraction technique for face recognition. *IEEE Transactions on Systems, Man, and Cybernetics*, **2006**, 36, 946-53		81
172	Bidirectional PCA with assembled matrix distance metric for image recognition. *IEEE Transactions on Systems, Man, and Cybernetics*, **2006**, 36, 863-72		75
171	Analysis of brute-force break-ins of a palmprint authentication system. *IEEE Transactions on Systems, Man, and Cybernetics*, **2006**, 36, 1201-5		24
170	Mesh parameterization by minimizing the synthesized distortion metric with the coefficient-optimizing algorithm. *IEEE Transactions on Visualization and Computer Graphics*, **2006**, 12, 83-92	4	3
169	Fusion of Multiple Features for Palmprint Authentication **2006**,		3
168	**2006**,		3
167	Arrhythmic Pulses Detection Using Lempel-Ziv Complexity Analysis. *Eurasip Journal on Advances in Signal Processing*, **2006**, 2006, 1	1.9	16
166	Information fusion for palmprint authentication **2006**, 6202, 241		
165	Face recognition based on 2D Fisherface approach. *Pattern Recognition*, **2006**, 39, 707-710	7.7	65
164	What is wrong with mesh PCA in coordinate direction normalization. *Pattern Recognition*, **2006**, 39, 2244-2247	7.7	6

163	An assembled matrix distance metric for 2DPCA-based image recognition. *Pattern Recognition Letters*, **2006**, 27, 210-216	4.7	36
162	Palmprint identification using feature-level fusion. *Pattern Recognition*, **2006**, 39, 478-487	7.7	251
161	A fast evolutionary pursuit algorithm based on linearly combining vectors. *Pattern Recognition*, **2006**, 39, 310-312	7.7	5
160	An analysis of BioHashing and its variants. *Pattern Recognition*, **2006**, 39, 1359-1368	7.7	185
159	A study of identical twins palmprints for personal verification. *Pattern Recognition*, **2006**, 39, 2149-2156	7.7	75
158	Parameter by Parameter Algorithm for Multilayer Perceptrons. *Neural Processing Letters*, **2006**, 23, 229-242	2.4	3
157	Fusion of phase and orientation information for palmprint authentication. *Pattern Analysis and Applications*, **2006**, 9, 103-111	2.3	19
156	Online signature verification based on null component analysis and principal component analysis. *Pattern Analysis and Applications*, **2006**, 8, 345-356	2.3	16
155	Multiple Textural Features Based Palmprint Authentication **2006**, 964-969		
154	Efficient KPCA-Based Feature Extraction: A Novel Algorithm and Experiments **2006**, 220-229		2
153	An Introduction to Biometrics Image Discrimination (BID). *Computational Intelligence and Its Applications Series*, **2006**, 1-20		2
152	Parsimonious Feature Extraction Based on Genetic Algorithms and Support Vector Machines. *Lecture Notes in Computer Science*, **2006**, 1387-1393	0.9	
151	Differential Operation Based Palmprint Authentication for Multimedia Security. *Lecture Notes in Computer Science*, **2006**, 237-244	0.9	
150	Two-Dimensional Fisher Discriminant Analysis and Its Application to Face Recognition. *Lecture Notes in Computer Science*, **2006**, 130-139	0.9	1
149	3D Ear Reconstruction Attempts: Using Multi-view **2006**, 578-583		8
148	A Neural Network Strategy for 3D Surface Registration. *Lecture Notes in Computer Science*, **2006**, 528-536	0.9	1
147	Robust Recognition of Noisy and Partially Occluded Faces Using Iteratively Reweighted Fitting of Eigenfaces. *Lecture Notes in Computer Science*, **2006**, 844-851	0.9	5
146	Efficient KPCA-Based Feature Extraction: A Novel Algorithm and Experiments **2006**, 220-229		

145	3D Ear Reconstruction Attempts: Using Multi-view **2006**, 578-583		
144	KPCA plus LDA: a complete kernel Fisher discriminant framework for feature extraction and recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2005**, 27, 230-44	13.3	564
143	. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2005**, 35, 546-555		13
142	Palm-line detection **2005**,		10
141	. *IEEE Transactions on Multimedia*, **2005**, 7, 891-898	6.6	59
140	Biometric Recognition Using Feature Selection and Combination. *Lecture Notes in Computer Science*, **2005**, 813-822	0.9	14
139	The bi-elliptical deformable contour and its application to automated tongue segmentation in Chinese medicine. *IEEE Transactions on Medical Imaging*, **2005**, 24, 946-56	11.7	86
138	SVR based color calibration for tongue image **2005**,		4
137	A Novel Palm-Line Detector. *Lecture Notes in Computer Science*, **2005**, 563-571	0.9	6
136	An Intelligent Online Signature Verification System **2005**, 99-117		1
135	Bi-directional PCA with assembled matrix distance metric **2005**,		1
134	A Study of Brute-Force Break-ins of a Palmprint Verification System. *Lecture Notes in Computer Science*, **2005**, 447-454	0.9	1
133	Coarse iris classification using box-counting to estimate fractal dimensions. *Pattern Recognition*, **2005**, 38, 1791-1798	7.7	70
132	Two-dimensional discriminant transform for face recognition. *Pattern Recognition*, **2005**, 38, 1125-1129	7.7	223
131	Kernel ICA: An alternative formulation and its application to face recognition. *Pattern Recognition*, **2005**, 38, 1784-1787	7.7	78
130	Tongue image analysis for appendicitis diagnosis. *Information Sciences*, **2005**, 175, 160-176	7.7	62
129	Real-time palmprint acquisition system design. *IET Computer Vision*, **2005**, 152, 527		23
128	An uncorrelated fisherface approach. *Neurocomputing*, **2005**, 67, 328-334	5.4	3

127	Wavelet-based cascaded adaptive filter for removing baseline drift in pulse waveforms. *IEEE Transactions on Biomedical Engineering*, **2005**, 52, 1973-5	5	87
126	A Fourier□LDA approach for image recognition. *Pattern Recognition*, **2005**, 38, 453-457	7.7	43
125	Personal authentication using multiple palmprint representation. *Pattern Recognition*, **2005**, 38, 1695-1704	7.7	112
124	Online Palmprint Identification System for Civil Applications. *Journal of Computer Science and Technology*, **2005**, 20, 70-76	1.7	5
123	Wavelet Energy Feature Extraction and Matching for Palmprint Recognition. *Journal of Computer Science and Technology*, **2005**, 20, 411-418	1.7	35
122	PALMPRINT AUTHENTICATION SYSTEM **2005**, 431-444		7
121	. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2005**, 35, 273-275		14
120	An Uncorrelated Fisherface Approach for Face and Palmprint Recognition. *Lecture Notes in Computer Science*, **2005**, 682-687	0.9	
119	Palmprint Recognition Based on Translation Invariant Zernike Moments and Modular Neural Network. *Lecture Notes in Computer Science*, **2005**, 177-182	0.9	7
118	Is ICA significantly better than PCA for face recognition? **2005**,		5
117	Computerized diagnosis from tongue appearance using quantitative feature classification. *The American Journal of Chinese Medicine*, **2005**, 33, 859-66	6	33
116	Palmprint Authentication Based on Orientation Code Matching. *Lecture Notes in Computer Science*, **2005**, 555-562	0.9	24
115	An Analysis on Accuracy of Cancelable Biometrics Based on BioHashing. *Lecture Notes in Computer Science*, **2005**, 1168-1172	0.9	14
114	Regularization of LDA for Face Recognition: A Post-processing Approach. *Lecture Notes in Computer Science*, **2005**, 377-391	0.9	4
113	Post-processing on LDA□ Discriminant Vectors for Facial Feature Extraction. *Lecture Notes in Computer Science*, **2005**, 346-354	0.9	2
112	A Study of Identical Twins□Palmprints for Personal Authentication. *Lecture Notes in Computer Science*, **2005**, 668-674	0.9	5
111	Improvement on Null Space LDA for Face Recognition: A Symmetry Consideration. *Lecture Notes in Computer Science*, **2005**, 78-84	0.9	1
110	Revealing the Secret of FaceHashing. *Lecture Notes in Computer Science*, **2005**, 106-112	0.9	4

109	A Novel Personal Authentication System Using Palmprint Technology. *Lecture Notes in Computer Science*, **2005**, 147-156	0.9	1
108	Fusion of the Textural Feature and Palm-Lines for Palmprint Authentication. *Lecture Notes in Computer Science*, **2005**, 1075-1084	0.9	3
107	Fast and Robust Portrait Segmentation Using QEA and Histogram Peak Distribution Methods. *Lecture Notes in Computer Science*, **2005**, 920-928	0.9	1
106	A Novel Method for Coarse Iris Classification. *Lecture Notes in Computer Science*, **2005**, 404-410	0.9	16
105	Recognize Color Face Images Using Complex Eigenfaces. *Lecture Notes in Computer Science*, **2005**, 64-68	0.9	3
104	Palmprint Authentication System for Civil Applications. *Lecture Notes in Computer Science*, **2004**, 217-228	0.9	2
103	Feature-Level Fusion for Effective Palmprint Authentication. *Lecture Notes in Computer Science*, **2004**, 761-767	0.9	43
102	HMMs Based Palmprint Identification. *Lecture Notes in Computer Science*, **2004**, 775-781	0.9	22
101	When Faces Are Combined with Palmprints: A Novel Biometric Fusion Strategy. *Lecture Notes in Computer Science*, **2004**, 701-707	0.9	27
100	Transformation Image into Graphics **2004**, 111-129		1
99	A combination model for orientation field of fingerprints. *Pattern Recognition*, **2004**, 37, 543-553	7.7	57
98	Computerized tongue diagnosis based on Bayesian networks. *IEEE Transactions on Biomedical Engineering*, **2004**, 51, 1803-10	5	113
97	Watermarking 3D mesh by spherical parameterization. *Computers and Graphics*, **2004**, 28, 981-989	1.8	36
96	On-Line Signature Verification Based on PCA (Principal Component Analysis) and MCA (Minor Component Analysis). *Lecture Notes in Computer Science*, **2004**, 540-546	0.9	11
95	A new LDA-KL combined method for feature extraction and its generalisation. *Pattern Analysis and Applications*, **2004**, 7, 40	2.3	3
94	A linear edge model and its application in lossless image coding. *Signal Processing: Image Communication*, **2004**, 19, 955-958	2.8	4
93	Distance metric learning by knowledge embedding. *Pattern Recognition*, **2004**, 37, 161-163	7.7	8
92	Performance analysis of a 3D full-field sensor based on fringe projection. *Optics and Lasers in Engineering*, **2004**, 42, 341-353	4.6	45

91	Reconstruction and analysis of multi-pose face images based on nonlinear dimensionality reduction. *Pattern Recognition*, **2004**, 37, 325-336	7.7	40
90	Essence of kernel Fisher discriminant: KPCA plus LDA. *Pattern Recognition*, **2004**, 37, 2097-2100	7.7	124
89	Erratum to Distance metric learning by knowledge embedding[Pattern Recognition 37 (1) (2004) 161163]. *Pattern Recognition*, **2004**, 37, 855	7.7	2
88	Palmprint classification using principal lines. *Pattern Recognition*, **2004**, 37, 1987-1998	7.7	125
87	Robust filtering under stochastic parametric uncertainties. *Automatica*, **2004**, 40, 1583-1589	5.7	29
86	Improved robust H2 and HfiltFering for uncertain discrete-time systems. *Automatica*, **2004**, 40, 873-880	5.7	255
85	An innovation approach to Hprediction for continuous-time systems with application to systems with delayed measurements. *Automatica*, **2004**, 40, 1253-1261	5.7	2
84	A reorganized innovation approach to linear estimation. *IEEE Transactions on Automatic Control*, **2004**, 49, 1810-1814	5.9	62
83	Finite horizon H/sub /spl infin// fixed-lag smoothing for time-varying continuous systems. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2004**, 51, 496-499		7
82	An innovation approach to H$infin; prediction for continuous-time systems with application to systems with delayed measurements*1. *Automatica*, **2004**, 40, 1253-1261	5.7	56
81	On hierarchical palmprint coding with multiple features for personal identification in large databases. *IEEE Transactions on Circuits and Systems for Video Technology*, **2004**, 14, 234-243	6.4	82
80	Two-dimensional PCA: a new approach to appearance-based face representation and recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2004**, 26, 131-7	13.3	2098
79	Characterization of palmprints by wavelet signatures via directional context modeling. *IEEE Transactions on Systems, Man, and Cybernetics*, **2004**, 34, 1335-47		139
78	An improved LDA approach. *IEEE Transactions on Systems, Man, and Cybernetics*, **2004**, 34, 1942-51		42
77	A face and palmprint recognition approach based on discriminant DCT feature extraction. *IEEE Transactions on Systems, Man, and Cybernetics*, **2004**, 34, 2405-15		157
76	Mesh simplification with hierarchical shape analysis and iterative edge contraction. *IEEE Transactions on Visualization and Computer Graphics*, **2004**, 10, 142-51	4	19
75	Palmprint authentication using multiple classifiers **2004**,		9
74	Secure program execution via dynamic information flow tracking. *Operating Systems Review (ACM)*, **2004**, 38, 85-96	0.8	13

73	Improving Fingerprint Recognition Based on Crease Detection. *Lecture Notes in Computer Science*, **2004**, 287-293	0.9	1
72	Secure program execution via dynamic information flow tracking. *ACM SIGPLAN Notices*, **2004**, 39, 85-96	0.2	54
71	Palmprint Authentication Technologies, Systems and Applications. *Lecture Notes in Computer Science*, **2004**, 78-89	0.9	1
70	A New Approach to Personal Identification in Large Databases by Hierarchical Palmprint Coding with Multi-features. *Lecture Notes in Computer Science*, **2004**, 739-745	0.9	2
69	An Evolving Neural Network Model for Person Verification Combining Speech and Image. *Lecture Notes in Computer Science*, **2004**, 381-386	0.9	1
68	Detecting Eyelash and Reflection for Accurate Iris Segmentation. *International Journal of Pattern Recognition and Artificial Intelligence*, **2003**, 17, 1025-1034	1.1	53
67	UNCORRELATED PROJECTION DISCRIMINANT ANALYSIS AND ITS APPLICATION TO FACE IMAGE FEATURE EXTRACTION. *International Journal of Pattern Recognition and Artificial Intelligence*, **2003**, 17, 1325-1347	1.1	25
66	A Novel On-Line Palmprint Identification System. *International Journal of Smart Engineering System Design*, **2003**, 5, 361-373		
65	A generalised K-L expansion method which can deal with small sample size and high-dimensional problems. *Pattern Analysis and Applications*, **2003**, 6, 47-54	2.3	32
64	Face recognition based on linear classifiers combination. *Neurocomputing*, **2003**, 50, 485-488	5.4	9
63	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	
62	Feature fusion: parallel strategy vs. serial strategy. *Pattern Recognition*, **2003**, 36, 1369-1381	7.7	294
61	Self-synchronizing watermarking scheme for an arbitrarily shaped object. *Pattern Recognition*, **2003**, 36, 2737-2741	7.7	4
60	Palmprint feature extraction using 2-D Gabor filters. *Pattern Recognition*, **2003**, 36, 2339-2347	7.7	245
59	A novel line scan clustering algorithm for identifying connected components in digital images. *Image and Vision Computing*, **2003**, 21, 459-472	3.7	16
58	Palmprint recognition using eigenpalms features. *Pattern Recognition Letters*, **2003**, 24, 1463-1467	4.7	349
57	Improvements on the linear discrimination technique with application to face recognition. *Pattern Recognition Letters*, **2003**, 24, 2695-2701	4.7	13
56	Fisherpalms based palmprint recognition. *Pattern Recognition Letters*, **2003**, 24, 2829-2838	4.7	300

55	Image alignment based on invariant features for palmprint identification. *Signal Processing: Image Communication*, **2003**, 18, 373-379	2.8	20
54	Scale-orientation histogram for texture image retrieval. *Pattern Recognition*, **2003**, 36, 1061-1063	7.7	13
53	Face recognition based on a group decision-making combination approach. *Pattern Recognition*, **2003**, 36, 1675-1678	7.7	12
52	Improvements on the uncorrelated optimal discriminant vectors. *Pattern Recognition*, **2003**, 36, 1921-1923	7.7	9
51	UODV: improved algorithm and generalized theory. *Pattern Recognition*, **2003**, 36, 2593-2602	7.7	22
50	Online palmprint identification. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2003**, 25, 1041-1050	13.3	934
49	Parallel biometrics computing using mobile agents **2003**,		3
48	Color texture extraction from fringe image based on full-field projection. *Optical Engineering*, **2003**, 42, 1935	1.1	11
47	MULTISCALE WAVELET TEXTURE BASED IRIS VERIFICATION **2003**,		4
46	Orientation analysis for rotated human face detection. *Image and Vision Computing*, **2002**, 20, 257-264	3.7	13
45	What's wrong with Fisher criterion?. *Pattern Recognition*, **2002**, 35, 2665-2668	7.7	36
44	Hierarchical palmprint identification via multiple feature extraction. *Pattern Recognition*, **2002**, 35, 847-859	7.7	175
43	KNOWLEDGE-BASED FINGERPRINT POST-PROCESSING. *International Journal of Pattern Recognition and Artificial Intelligence*, **2002**, 16, 53-67	1.1	9
42	Wavelet-based feature extraction for palmprint identification **2002**,		6
41	Line feature extraction and matching in palmprint **2002**, 4875, 583		14
40	New 3D imaging sensor: gaining range and texture **2002**,		1
39	Image information restoration based on long-range correlation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2002**, 12, 331-341	6.4	52
38	Comparison of DNA and RNA extraction methods for mummified tissues. *Molecular and Cellular Probes*, **2002**, 16, 445-51	3.3	24

37	PALMPRINT IDENTIFICATION BY FOURIER TRANSFORM. *International Journal of Pattern Recognition and Artificial Intelligence*, **2002**, 16, 417-432	1.1	214
36	A novel face recognition system using hybrid neural and dual eigenspaces methods. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2002**, 32, 787-793		18
35	Biometrics Applications in an E-World **2002**, 1-21		
34	On the neural network approach in software reliability modeling. *Journal of Systems and Software*, **2001**, 58, 47-62	3.3	105
33	Robust mesh watermarking based on multiresolution processing. *Computers and Graphics*, **2001**, 25, 409-420	1.2	79
32	AUTOMATIC PALMPRINT VERIFICATION. *International Journal of Image and Graphics*, **2001**, 01, 135-151	0.5	38
31	Hybrid neural method for locating eyes in facial images. *Optical Engineering*, **2001**, 40, 2151	1.1	1
30	Algorithm of automatic cartridge identification. *Optical Engineering*, **2001**, 40, 2860	1.1	5
29	Hybrid image coding based on partial fractal mapping. *Signal Processing: Image Communication*, **2000**, 15, 767-779	2.8	31
28	A fuzzy clustering neural networks (FCNs) system design methodology. *IEEE Transactions on Neural Networks*, **2000**, 11, 1174-7		9
27	A parallel algorithm for image information restoration **2000**,		1
26	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		
25	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, 598-602		6
24	Automated Biometrics. *The Kluwer International Series on Asian Studies in Computer and Information Science*, **2000**,		171
23	. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2000**, 30, 265-275		3
22	Speaker verification by removing common information. *Electronics Letters*, **1999**, 35, 2009	1.1	1
21	Novel evolutionary method for gray-level image restoration. *Optical Engineering*, **1999**, 38, 626	1.1	
20	Two novel characteristics in palmprint verification: datum point invariance and line feature matching. *Pattern Recognition*, **1999**, 32, 691-702	7.7	268

19	. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **1999**, 46, 78-80		483
18	A novel approach for reduction of blocking effects in low-bit-rate image compression. *IEEE Transactions on Communications*, **1998**, 46, 732-734	6.9	10
17	Restoration of impulse noise corrupted images using long-range correlation. *IEEE Signal Processing Letters*, **1998**, 5, 4-7	3.2	49
16	Best neighborhood matching: an information loss restoration technique for block-based image coding systems. *IEEE Transactions on Image Processing*, **1998**, 7, 1056-61	8.7	75
15	Automated personal identification by palmprint. *Optical Engineering*, **1998**, 37, 2359	1.1	102
14	Impulse noise removal using polynomial approximation. *Optical Engineering*, **1998**, 37, 1275	1.1	20
13	Impulse noise detection and removal using fuzzy techniques. *Electronics Letters*, **1997**, 33, 378	1.1	34
12	Dual eigenspace method for human face recognition. *Electronics Letters*, **1997**, 33, 283	1.1	6
11	VLSI compressor design with applications to digital neural networks. *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, **1997**, 5, 230-233	2.6	8
10	VLSI neural system architecture for finite ring recursive reduction. *International Journal of Neural Systems*, **1996**, 7, 697-708	6.2	
9	Fuzzy Clustering Neural Network (FCNN): Competitive Learning and Parallel Architecture. *Journal of Intelligent and Fuzzy Systems*, **1994**, 2, 289-298	1.6	4
8	. *IEEE Journal of Solid-State Circuits*, **1994**, 29, 14-22	5.5	12
7	. *IEEE Transactions on Circuits and Systems*, **1990**, 37, 1048-1052		8
6	Integrating shape and texture for hand verification		11
5	Necessary and sufficient condition for finite horizon H/sub /spl infin// estimation of time delay systems		1
4	Modern researches on pulse waveform of TCPD		1
3	Adaptive baseline wander removal in the pulse waveform		10
2	Combining 2D and 3D hand geometry features for biometric verification		6

1 Multiple Textural Features Based Palmprint Authentication964-969