Yiu-Ming Cheung

List of Publications by Year in Descending Order

260 papers	3,806 citations	31 h-index	53 g-index
329 ext. papers	4,738 ext. citations	4.4 avg, IF	6.18 L-index

#	Paper	IF	Citations
260	Equalization ensemble for large scale highly imbalanced data classification. *Knowledge-Based Systems*, **2022**, 242, 108295	7.3	3
259	Contrastive Learning Assisted-Alignment for Partial Domain Adaptation.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	2
258	A Unified Framework for Bidirectional Prototype Learning from Contaminated Faces across Heterogeneous Domains. *IEEE Transactions on Information Forensics and Security*, **2022**, 1-1	8	1
257	A C⊞dominance-based solution estimation evolutionary algorithm for many-objective optimization. *Knowledge-Based Systems*, **2022**, 108738	7.3	0
256	Password Guessing Based on GAN with Gumbel-Softmax. *Security and Communication Networks*, **2022**, 2022, 1-12	1.9	
255	Reversible Data Hiding with Brightness Preserving Contrast Enhancement by Two-dimensional Histogram Modification. *IEEE Transactions on Circuits and Systems for Video Technology*, **2022**, 1-1	6.4	3
254	Probabilistic Rank-One Tensor Analysis With Concurrent Regularizations. *IEEE Transactions on Cybernetics*, **2021**, 51, 3496-3509	10.2	2
253	Evolutionary Sequential Transfer Optimization for Objective-Heterogeneous Problems. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	0
252	Vertical Federated Principal Component Analysis on Feature-Wise Distributed Data. *Lecture Notes in Computer Science*, **2021**, 173-188	0.9	0
251	Meta-hashing for Remote Sensing Image Retrieval. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-1	8.1	6
250	An Uplink Communication-Efficient Approach to Featurewise Distributed Sparse Optimization With Differential Privacy. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 4529-4543	10.3	1
249	Iterative Dynamic Generic Learning for Face Recognition From a Contaminated Single-Sample Per Person. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 1560-1574	10.3	5
248	Reversible Data Hiding in Jpeg Images for Privacy Protection **2021**,		1
247	Bayesian Low-Tubal-Rank Robust Tensor Factorization with Multi-Rank Determination. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, 43, 62-76	13.3	14
246	Self-Adaptive Multiprototype-Based Competitive Learning Approach: A k-Means-Type Algorithm for Imbalanced Data Clustering. *IEEE Transactions on Cybernetics*, **2021**, 51, 1598-1612	10.2	10
245	Hyperspectral Image Classification via Spatial Window-Based Multiview Intact Feature Learning. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 2294-2306	8.1	3
244	Adversarial Tri-Fusion Hashing Network for Imbalanced Cross-Modal Retrieval. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 5, 607-619	4.1	6

243	Hyperspectral Image Classification Based on 3-D Octave Convolution With Spatial–Spectral Attention Network. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 2430-2447	8.1	53
242	MTFH: A Matrix Tri-Factorization Hashing Framework for Efficient Cross-Modal Retrieval. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, 43, 964-981	13.3	31
241	Learnable Weighting of Intra-attribute Distances for Categorical Data Clustering with Nominal and Ordinal Attributes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, PP,	13.3	3
240	A Branch Elimination-based Efficient Algorithm for Large-scale Multiple Longest Common Subsequence Problem. *IEEE Transactions on Knowledge and Data Engineering*, **2021**, 1-1	4.2	0
239	Identity-Preserved Complete Face Recovering Network for Partial Face Image. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 1-6	4.1	0
238	A Scoring Model Assisted by Frequency for Multi-Document Summarization. *Lecture Notes in Computer Science*, **2021**, 309-320	0.9	
237	FDDH: Fast Discriminative Discrete Hashing for Large-Scale Cross-Modal Retrieval. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	3
236	Guest Editorial Special Issue on Emerging Computational Intelligence Techniques for Decision Making With Big Data in Uncertain Environments. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 5, 2-5	4.1	
235	A branch and bound irredundant graph algorithm for large-scale MLCS problems. *Pattern Recognition*, **2021**, 119, 108059	7.7	2
234	A Rough-to-Fine Evolutionary Multiobjective Optimization Algorithm. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	4
233	Concept Drift-Tolerant Transfer Learning in Dynamic Environments. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	3
232	AR²Det: An Accurate and Real-Time Rotational One-Stage Ship Detector in Remote Sensing Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-14	8.1	4
231	VD-GAN: A Unified Framework for Joint Prototype and Representation Learning From Contaminated Single Sample per Person. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 2246-2259	8	2
230	Content and Privacy Protection in JPEG Images by Reversible Visual Transformation. *Applied Sciences (Switzerland)*, **2020**, 10, 6776	2.6	2
229	A New Distance Metric Exploiting Heterogeneous Interattribute Relationship for Ordinal-and-Nominal-Attribute Data Clustering. *IEEE Transactions on Cybernetics*, **2020**,	10.2	1
228	**2020**,		1
227	Reversible contrast enhancement for medical images with background segmentation. *IET Image Processing*, **2020**, 14, 327-336	1.7	2
226	Reversible Data Hiding in Homomorphic Encrypted Images Without Preprocessing. *Lecture Notes in Computer Science*, **2020**, 141-154	0.9	1

225	Bayes Imbalance Impact Index: A Measure of Class Imbalanced Data Set for Classification Problem. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 3525-3539	10.3	13
224	Adaptive Chunk-Based Dynamic Weighted Majority for Imbalanced Data Streams With Concept Drift. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 2764-2778	10.3	9
223	A Symmetric Points Search and Variable Grouping Method for Large-scale Multi-objective Optimization **2020**,		2
222	An Ordinal Data Clustering Algorithm with Automated Distance Learning. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2020**, 34, 6869-6876	5	3
221	Probabilistic Rank-One Discriminant Analysis via Collective and Individual Variation Modeling. *IEEE Transactions on Cybernetics*, **2020**, 50, 627-639	10.2	4
220	Fast hypervolume approximation scheme based on a segmentation strategy. *Information Sciences*, **2020**, 509, 320-342	7.7	8
219	A Unified Entropy-Based Distance Metric for Ordinal-and-Nominal-Attribute Data Clustering. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 39-52	10.3	10
218	Synergistic Generic Learning for Face Recognition From a Contaminated Single Sample per Person. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 195-209	8	11
217	Adaptive Weighted Sparse Principal Component Analysis for Robust Unsupervised Feature Selection. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 2153-2163	10.3	11
216	Objective-Domain Dual Decomposition: An Effective Approach to Optimizing Partially Differentiable Objective Functions. *IEEE Transactions on Cybernetics*, **2020**, 50, 923-934	10.2	0
215	Solving Dynamic Multi-objective Optimization Problems Using Incremental Support Vector Machine **2019**,		1
214	Triplet Fusion Network Hashing for Unpaired Cross-Modal Retrieval **2019**,		4
213	Reversible Data Hiding With Image Contrast Enhancement Based on Two-Dimensional Histogram Modification. *IEEE Access*, **2019**, 7, 83332-83342	3.5	17
212	High-Capacity Reversible Data Hiding in Encrypted Images by Bit Plane Partition and MSB Prediction. *IEEE Access*, **2019**, 7, 62361-62371	3.5	9
211	A high-capacity reversible data hiding method for homomorphic encrypted images. *Journal of Visual Communication and Image Representation*, **2019**, 62, 87-96	2.7	26
210	Fast and Accurate Hierarchical Clustering Based on Growing Multilayer Topology Training. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 876-890	10.3	14
209	. *IEEE Transactions on Multimedia*, **2019**, 21, 3083-3094	6.6	8
208	Lossless Contrast Enhancement of Color Images with Reversible Data Hiding. *Entropy*, **2019**, 21, 910	2.8	3

207	A New Adaptive Hybrid Algorithm for Large-Scale Global Optimization. *Lecture Notes in Computer Science*, **2019**, 299-308	0.9	
206	Robust Low-Rank Tensor Minimization via a New Tensor Spectral k-Support Norm. *IEEE Transactions on Image Processing*, **2019**,	8.7	8
205	Fast Semantic Preserving Hashing for Large-Scale Cross-Modal Retrieval **2019**,		1
204	. *IEEE Transactions on Multimedia*, **2019**, 21, 1399-1411	6.6	14
203	Toward Efficient Image Representation: Sparse Concept Discriminant Matrix Factorization. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 3184-3198	6.4	8
202	Robust heterogeneous discriminative analysis for face recognition with single sample per person. *Pattern Recognition*, **2019**, 89, 91-107	7.7	28
201	Attention guided deep audio-face fusion for efficient speaker naming. *Pattern Recognition*, **2019**, 88, 557-568	7.7	11
200	Evolutionary Many-Objective Algorithm Using Decomposition-Based Dominance Relationship. *IEEE Transactions on Cybernetics*, **2019**, 49, 4129-4139	10.2	19
199	Feature Extraction for Incomplete Data Via Low-Rank Tensor Decomposition With Feature Regularization. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 1803-1817	10.3	20
198	Dimensionality Reduction in Multiple Ordinal Regression. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 4088-4101	10.3	4
197	Rank-One Matrix Completion With Automatic Rank Estimation via L1-Norm Regularization. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 4744-4757	10.3	27
196	Self-Organizing Map-Based Weight Design for Decomposition-Based Many-Objective Evolutionary Algorithm. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 211-225	15.6	70
195	Unified Sparse Subspace Learning via Self-Contained Regression. *IEEE Transactions on Circuits and Systems for Video Technology*, **2018**, 28, 2537-2550	6.4	21
194	Inference-Based Similarity Search in Randomized Montgomery Domains for Privacy-Preserving Biometric Identification. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2018**, 40, 1611-1624	13.3	15
193	Lip Password-Based Speaker Verification Without a Priori Knowledge of Speech Language. *Communications in Computer and Information Science*, **2018**, 461-472	0.3	1
192	A parameterless decomposition-based evolutionary multi-objective algorithm **2018**,		2
191	Exploiting Order Information Embedded in Ordered Categories for Ordinal Data Clustering. *Lecture Notes in Computer Science*, **2018**, 247-257	0.9	2
190	Subspace Clustering of Categorical and Numerical Data With an Unknown Number of Clusters. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 3308-3325	10.3	30

189	Generating EEG Graphs Based on PLA for Brain Wave Pattern Recognition **2018**,		3
188	A Cooperative Learning-Based Clustering Approach to Lip Segmentation Without Knowing Segment Number. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 80-93	10.3	12
187	Detection Copy Number Variants from NGS with Sparse and Smooth Constraints. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2017**, 14, 856-867	3	2
186	A Hybrid of Local and Global Saliencies for Detecting Image Salient Region and Appearance. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 86-97	7.3	19
185	Multi-view Manifold Learning for Media Interestingness Prediction **2017**,		7
184	Efficient Human Motion Retrieval via Temporal Adjacent Bag of Words and Discriminative Neighborhood Preserving Dictionary Learning. *IEEE Transactions on Human-Machine Systems*, **2017**, 47, 763-776	4.1	17
183	A Total-variation Constrained Permutation Model for Revealing Common Copy Number Patterns. *Scientific Reports*, **2017**, 7, 9666	4.9	1
182	Robust Object Tracking via Key Patch Sparse Representation. *IEEE Transactions on Cybernetics*, **2017**, 47, 354-364	10.2	102
181	Efficient single image dehazing and denoising: An efficient multi-scale correlated wavelet approach. *Computer Vision and Image Understanding*, **2017**, 162, 23-33	4.3	62
180	Discriminant Manifold Learning via Sparse Coding for Robust Feature Extraction. *IEEE Access*, **2017**, 5, 13978-13991	3.5	9
179	A Fast Objective Reduction Algorithm Based on Dominance Structure for Many Objective Optimization. *Lecture Notes in Computer Science*, **2017**, 260-271	0.9	2
178	Proximal average approximated incremental gradient descent for composite penalty regularized empirical risk minimization. *Machine Learning*, **2017**, 106, 595-622	4	7
177	Joint sparse principal component analysis. *Pattern Recognition*, **2017**, 61, 524-536	7.7	128
176	Tensor Rank Estimation and Completion via CP-based Nuclear Norm **2017**,		7
175	On incremental collaborative appearance model and regional particle filtering for lip region tracking. *Integrated Computer-Aided Engineering*, **2017**, 25, 63-80	5.2	1
174	Dynamic Weighted Majority for Incremental Learning of Imbalanced Data Streams with Concept Drift **2017**,		15
173	Optimization of Spectrum-Energy Efficiency in Heterogeneous Communication Network. *Lecture Notes in Computer Science*, **2017**, 821-832	0.9	1
172	Feature Extraction for Incomplete Data via Low-rank Tucker Decomposition. *Lecture Notes in Computer Science*, **2017**, 564-581	0.9	4

171	Sparse discriminative multi-manifold embedding for one-sample face identification. *Pattern Recognition*, **2016**, 52, 249-259	7.7	55
170	A New Distance Metric for Unsupervised Learning of Categorical Data. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 1065-79	10.3	57
169	The common self-polar triangle of separate circles: Properties and applications to camera calibration **2016**,		6
168	Multi-view Latent Space Learning Based on Local Discriminant Embedding **2016**,		2
167	Improving posture classification accuracy for depth sensor-based human activity monitoring in smart environments. *Computer Vision and Image Understanding*, **2016**, 148, 97-110	4.3	37
166	Objective Extraction for Many-Objective Optimization Problems: Algorithm and Test Problems. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 755-772	15.6	44
165	Corrupted and occluded face recognition via cooperative sparse representation. *Pattern Recognition*, **2016**, 56, 77-87	7.7	19
164	Anonymized Distance Filter in Hamming Space. *Lecture Notes in Computer Science*, **2016**, 663-671	0.9	
163	Quality preserved data summarization for fast hierarchical clustering **2016**,		2
162	Single image super-resolution with non-local balanced low-rank matrix restoration **2016**,		1
161	Scalable Spectral k-Support Norm Regularization for Robust Low Rank Subspace Learning **2016**,		2
160	GOBoost: G-mean optimized boosting framework for class imbalance learning **2016**,		2
159	Homography Estimation from the Common Self-Polar Triangle of Separate Ellipses **2016**,		5
158	Hybrid Sampling with Bagging for Class Imbalance Learning. *Lecture Notes in Computer Science*, **2016**, 14-26	0.9	9
157	Reversible data hiding in Paillier cryptosystem. *Journal of Visual Communication and Image Representation*, **2016**, 40, 765-771	2.7	41
156	Lip event detection using oriented histograms of regional optical flow and low rank affinity pursuit. *Computer Vision and Image Understanding*, **2016**, 148, 153-163	4.3	3
155	Variance constrained partial least squares. *Chemometrics and Intelligent Laboratory Systems*, **2015**, 145, 60-71	3.8	8
154	Optimal WCDMA network planning by multiobjective evolutionary algorithm with problem-specific genetic operation. *Knowledge and Information Systems*, **2015**, 45, 679-703	2.4	18

153	Learning Compact Binary Codes for Hash-Based Fingerprint Indexing. *IEEE Transactions on Information Forensics and Security*, **2015**, 10, 1603-1616	8	21
152	Eye Gaze Tracking With a Web Camera in a Desktop Environment. *IEEE Transactions on Human-Machine Systems*, **2015**, 45, 419-430	4.1	52
151	An evolutionary algorithm based on decomposition for multimodal optimization problems **2015**,		3
150	ApLeaf: An efficient android-based plant leaf identification system. *Neurocomputing*, **2015**, 151, 1112-1119	5.4	48
149	Single object tracking via robust combination of particle filter and sparse representation. *Signal Processing*, **2015**, 110, 178-187	4.4	37
148	Modeling spatial relations of human body parts for indexing and retrieving close character interactions **2015**,		2
147	The common self-polar triangle of concentric circles and its application to camera calibration **2015**,		2
146	Nature-Inspired Algorithms and Applications: Selected Papers from CIS2013. *Mathematical Problems in Engineering*, **2015**, 2015, 1-2	1.1	
145	A Novel Evolutionary Multi-objective Algorithm Based on S Metric Selection and M2M Population Decomposition. *Proceedings in Adaptation, Learning and Optimization*, **2015**, 441-452	0.2	2
144	Expanding dictionary for robust face recognition: pixel is not necessary while sparsity is. *IET Computer Vision*, **2015**, 9, 648-654	1.4	1
143	Camera Calibration Based on the Common Self-polar Triangle of Sphere Images. *Lecture Notes in Computer Science*, **2015**, 19-29	0.9	3
142	Plant Leaf Identification via a Growing Convolution Neural Network with Progressive Sample Learning. *Lecture Notes in Computer Science*, **2015**, 348-361	0.9	7
141	Texture Image Segmentation Using Spectral Clustering. *Communications in Computer and Information Science*, **2015**, 671-676	0.3	
140	Arabic font recognition based on diacritics features. *Pattern Recognition*, **2014**, 47, 672-684	7.7	10
139	On Solving WCDMA Network Planning Using Iterative Power Control Scheme and Evolutionary Multiobjective Algorithm [Application Notes]. *IEEE Computational Intelligence Magazine*, **2014**, 9, 44-52	5.6	20
138	Automatic motion capture data denoising via filtered subspace clustering and low rank matrix approximation. *Signal Processing*, **2014**, 105, 350-362	4.4	18
137	Automatic mitral valve leaflet tracking in Echocardiography via constrained outlier pursuit and region-scalable active contours. *Neurocomputing*, **2014**, 144, 47-57	5.4	6
136	Video color conceptualization using optimization. *Science China Information Sciences*, **2014**, 57, 1-11	3.4	2

135	Learning Multi-Boosted HMMs for Lip-Password Based Speaker Verification. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 233-246	8	27
134	Lip segmentation under MAP-MRF framework with automatic selection of local observation scale and number of segments. *IEEE Transactions on Image Processing*, **2014**, 23, 3397-411	8.7	14
133	Learning a mixture model for clustering with the completed likelihood minimum message length criterion. *Pattern Recognition*, **2014**, 47, 2011-2030	7.7	29
132	Cooperative and penalized competitive learning with application to kernel-based clustering. *Pattern Recognition*, **2014**, 47, 3060-3069	7.7	21
131	Discretizing Numerical Attributes in Decision Tree for Big Data Analysis **2014**,		8
130	Outlier Detection Based on Local Kernel Regression for Instance Selection. *International Journal of Computational Intelligence Systems*, **2014**, 7, 748-757	3.4	
129	A supervised correlation analysis for score-level calibration of cross-device fingerprint recognition **2014**,		1
128	An Exemplar-Based Hidden Markov Model with Discriminative Visual Features for Lipreading **2014**,		2
127	A new distance metric for unsupervised learning of categorical data **2014**,		1
126	Fingerprint Geometric Hashing Based on Binary Minutiae Cylinder Codes **2014**,		4
125	Online objective reduction for many-objective optimization problems **2014**,		9
124	Ultra local binary pattern for image texture analysis **2014**,		8
123	Active contours with a joint and region-scalable distribution metric for interactive natural image segmentation. *IET Image Processing*, **2014**, 8, 824-832	1.7	2
122	An Evolutionary Algorithm for TD-LTE Resource Allocation Based on Adaptive Fairness Threshold. *Lecture Notes in Computer Science*, **2014**, 713-722	0.9	
121	Improving clustering with pairwise constraints: a discriminative approach. *Knowledge and Information Systems*, **2013**, 36, 489-515	2.4	2
120	Hashing fingerprints for identity de-duplication **2013**,		1
119	Lip segmentation and tracking under MAP-MRF framework with unknown segment number. *Neurocomputing*, **2013**, 104, 155-169	5.4	8
118	Categorical-and-numerical-attribute data clustering based on a unified similarity metric without knowing cluster number. *Pattern Recognition*, **2013**, 46, 2228-2238	7.7	64

117	Selected Papers from the 8th International Conference on Computational Intelligence and Security (CIS2012). *Mathematical Problems in Engineering*, **2013**, 2013, 1-2	1.1	
116	On Solving Complex Optimization Problems with Objective Decomposition **2013**,		3
115	Topology Aware Data-Driven Inverse Kinematics. *Computer Graphics Forum*, **2013**, 32, 61-70	2.4	15
114	Selected Papers from the Ninth International Conference on Computational Intelligence and Security. *Scientific World Journal, The*, **2013**, 2013, 1-2	2.2	78
113	Feature Weighted Kernel Clustering with Application to Medical Data Analysis. *Lecture Notes in Computer Science*, **2013**, 496-505	0.9	1
112	Online Learning towards Big Data Analysis in Health Informatics. *Lecture Notes in Computer Science*, **2013**, 516-523	0.9	1
111	A Unified Metric for Categorical and Numerical Attributes in Data Clustering. *Lecture Notes in Computer Science*, **2013**, 135-146	0.9	3
110	Kernel Fuzzy Similarity Measure-Based Spectral Clustering for Image Segmentation. *Lecture Notes in Computer Science*, **2013**, 246-253	0.9	1
109	A local region based approach to lip tracking. *Pattern Recognition*, **2012**, 45, 3336-3347	7.7	23
108	Semi-Supervised Maximum Margin Clustering with Pairwise Constraints. *IEEE Transactions on Knowledge and Data Engineering*, **2012**, 24, 926-939	4.2	64
107	Selected Papers from the 7th International Conference on Computational Intelligence and Security (CIS2011). *Mathematical Problems in Engineering*, **2012**, 2012, 1-3	1.1	
106	A multi-boosted HMM approach to lip password based speaker verification **2012**,		2
105	A batch rival penalized expectation-maximization algorithm for Gaussian mixture clustering with automatic model selection. *Computational and Mathematical Methods in Medicine*, **2012**, 2012, 425730	2.8	6
104	Unsupervised Feature Selection with Feature Clustering **2012**,		3
103	Secure Watermarking on 3D Geometry via ICA and Orthogonal Transformation. *Lecture Notes in Computer Science*, **2012**, 52-62	0.9	1
102	Feature Selection and Kernel Learning for Local Learning-Based Clustering. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2011**, 33, 1532-47	13.3	146
101	A robust lip tracking algorithm using localized color active contours and deformable models **2011**,		4
100	Map-MRF based LIP segmentation without true segment number **2011**,		1

99	Segmentation of retinal blood vessels using the radial projection and semi-supervised approach. *Pattern Recognition*, **2011**, 44, 2314-2324	7.7	258
98	Off-line Text-independent Writer Identification Using a Mixture of Global and Local Features **2011**,		2
97	ANALYSIS OF GENE EXPRESSION DATA USING RPEM ALGORITHM IN NORMAL MIXTURE MODEL WITH DYNAMIC ADJUSTMENT OF LEARNING RATE. *International Journal of Pattern Recognition and Artificial Intelligence*, **2010**, 24, 651-666	1.1	8
96	Retinal Blood Vessels Segmentation Using the Radial Projection and Supervised Classification **2010**,		2
95	Writer identification using fractal dimension of wavelet subbands in gabor domain. *Integrated Computer-Aided Engineering*, **2010**, 17, 157-165	5.2	44
94	A Lip Contour Extraction Method Using Localized Active Contour Model with Automatic Parameter Selection **2010**,		13
93	Automatic Segmentation of Color Lip Images Based on Morphological Filter. *Lecture Notes in Computer Science*, **2010**, 384-387	0.9	7
92	A blind watermarking scheme using new nontensor product wavelet filter banks. *IEEE Transactions on Image Processing*, **2010**, 19, 3271-84	8.7	113
91	T-MOEA/D: MOEA/D with Objective Transform in Multi-objective Problems **2010**,		25
90	Reversible Watermarking by Modulation and Security Enhancement. *IEEE Transactions on Instrumentation and Measurement*, **2010**, 59, 221-228	5.2	27
89	SKM-SNP: SNP markers detection method. *Journal of Biomedical Informatics*, **2010**, 43, 233-9	10.2	9
88	Estimation of chaotic coupled map lattices using symbolic vector dynamics. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2010**, 374, 562-566	2.3	4
87	A Novel Automatic Lip Reading Method Based on Polynomial Fitting. *Lecture Notes in Computer Science*, **2010**, 296-305	0.9	1
86	A Cooperative and Penalized Competitive Learning Approach to Gaussian Mixture Clustering. *Lecture Notes in Computer Science*, **2010**, 435-440	0.9	
85	A Multi-Objective Evolutionary Algorithm Using Min-Max Strategy And Sphere Coordinate Transformation. *Intelligent Automation and Soft Computing*, **2009**, 15, 361-384	2.6	29
84	A New Quantifying Crossover With Ternary Representation. *Intelligent Automation and Soft Computing*, **2009**, 15, 343-360	2.6	
83	A THEORETICAL ANALYSIS OF MULTISCALE ENTROPY UNDER THE INVERSE GAUSSIAN DISTRIBUTION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2009**, 19, 3161-3168	2	2
82	Texture Image Retrieval Using Non-separable Wavelets and Local Binary Patterns **2009**,		2

81	Local Kernel Regression Score for Selecting Features of High-Dimensional Data. *IEEE Transactions on Knowledge and Data Engineering*, **2009**, 21, 1798-1802	4.2	29
80	A new feature selection method for Gaussian mixture clustering. *Pattern Recognition*, **2009**, 42, 243-250	7.7	50
79	Automatic lip localization under face illumination with shadow consideration. *Signal Processing*, **2009**, 89, 2425-2434	4.4	20
78	SMART: a subspace clustering algorithm that automatically identifies the appropriate number of clusters. *International Journal of Data Mining, Modelling and Management*, **2009**, 1, 149	0.2	8
77	Feature Selection for Local Learning Based Clustering. *Lecture Notes in Computer Science*, **2009**, 414-425	0.9	5
76	Kernel Learning for Local Learning Based Clustering. *Lecture Notes in Computer Science*, **2009**, 10-19	0.9	4
75	Writer Identification Using a Hybrid Method Combining Gabor Wavelet and Mesh Fractal Dimension. *Lecture Notes in Computer Science*, **2009**, 535-542	0.9	2
74	Hong Kong Chapter Report [Family Corner]. *IEEE Computational Intelligence Magazine*, **2008**, 3, 18-20	5.6	
73	On blind source separation using generalized eigenvalues with a new metric. *Neurocomputing*, **2008**, 71, 973-982	5.4	4
72	Agglomerative Fuzzy K-Means Clustering Algorithm with Selection of Number of Clusters. *IEEE Transactions on Knowledge and Data Engineering*, **2008**, 20, 1519-1534	4.2	152
71	A Data Mapping Method for Steganography and Its Application to Images. *Lecture Notes in Computer Science*, **2008**, 236-250	0.9	10
70	Symbolic Vector Dynamics Approach to Initial Condition and Control Parameters Estimation of Coupled Map Lattices. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 1116-1124	3.9	14
69	Cooperation Controlled Competitive Learning Approach for Data Clustering **2008**,		2
68	Image denoising by using nonseparable wavelet filters and two-dimensional principal component analysis. *Optical Engineering*, **2008**, 47, 107002	1.1	7
67	Topological Self-Similar Networks Introduced by Diffusion-Limited Aggregation Mechanism. *Chinese Physics Letters*, **2008**, 25, 1153-1156	1.8	0
66	A Novel Motion Based Lip Feature Extraction for Lip-Reading **2008**,		14
65	Pseudo-random number generator based on asymptotic deterministic randomness. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 4388-4394	2.3	15
64	An Adaptive Image Watermarking Scheme Using Non-separable Wavelets and Support Vector Regression. *Lecture Notes in Computer Science*, **2008**, 473-482	0.9	1

63	Feature Selection for Clustering on High Dimensional Data. *Lecture Notes in Computer Science*, **2008**, 913-922	0.9	2
62	An Improved Competitive and Cooperative Learning Approach for Data Clustering **2007**,		2
61	A Sequential Quantization Strategy for Data Embedding and Integrity Verification. *IEEE Transactions on Circuits and Systems for Video Technology*, **2007**, 17, 1007-1016	6.4	38
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