# Graph Embedding and Extensions: A General Framewor 

IEEE Transactions on Pattern Analysis and Machine Intelligenc 29, 40-51

DOI: 10.1109/tpami.2007.250598

Citation Report

2 Rank-one Projections with Adaptive Margins for Face Recognition. , 0, , .

| 9 | Formulating Face Verification With Semidefinite Programming. IEEE Transactions on Image Processing, | 6.0 |
| :--- | :--- | :--- |

10 Adaptive Edge Weights for Supervised Graph Embedding. , 2007, , .

Clobally Maximizing, Locally Minimizing: Unsupervised Discriminant Projection with Applications to
11 Face and Palm Biometrics. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29,
Marginal Fisher Analysis and Its Variants for Human Gait Recognition and Content- Based Image
Retrieval. IEEE Transactions on Image Processing, 2007, 16, 2811-2821.

15 Feature Extraction Using Sequential Semidefinite Programming. , 2007, , .

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 19 | A Parameter-Free Framework for General Supervised Subspace Learning. IEEE Transactions on Information Forensics and Security, 2007, 2, 69-76. | 4.5 | 30 |
| 20 | Multimodal biometrics using geometry preserving projections. Pattern Recognition, 2008, 41, 805-813. | 5.1 | 66 |
| 21 | Feature extraction using constrained maximum variance mapping. Pattern Recognition, 2008, 41, 3287-3294. | 5.1 | 120 |
| 22 | Solution for supervised graph embedding: A case study. Signal Processing, 2008, 88, 2293-2301. | 2.1 | 0 |
| 23 | Face recognition using FLDA with single training image per person. Applied Mathematics and Computation, 2008, 205, 726-734. | 1.4 | 142 |
| 24 | Face recognition using a fusion method based on bidirectional 2DPCA. Applied Mathematics and Computation, 2008, 205, 601-607. | 1.4 | 30 |
| 25 | Locally adaptive subspace and similarity metric learning for visual data clustering and retrieval. Computer Vision and Image Understanding, 2008, 110, 390-402. | 3.0 | 26 |
| 26 | Optimizing the data-dependent kernel under a unified kernel optimization framework. Pattern Recognition, 2008, 41, 2107-2119. | 5.1 | 37 |
| 27 | Supervised dimensionality reduction via sequential semidefinite programming. Pattern Recognition, 2008, 41, 3644-3652. | 5.1 | 27 |
| 28 | Noisy manifold learning using neighborhood smoothing embedding. Pattern Recognition Letters, 2008, 29, 1613-1620. | 2.6 | 23 |

A novel class-dependence feature analysis method for face recognition. Pattern Recognition Letters,
$292008,29,1907-1914$.
30 Semi-supervised sub-manifold discriminant analysis. Pattern Recognition Letters, 2008, 29, 1806-1813. 2.6 ..... 31
31 Classification and Feature Extraction by Simplexization. IEEE Transactions on Information Forensics and Security, 2008, 3, 91-100. ..... 4.5
32 Local Temporal Common Spatial Patterns for Robust Single-Trial EEG Classification. IEEE Transactions ..... 2.7 ..... 83
on Neural Systems and Rehabilitation Engineering, 2008, 16, 131-139.Discriminant projection embedding for face and palmprint recognition. Neurocomputing, 2008, 71,
$34 \quad$ 1889-1901.Image Classification Using Correlation Tensor Analysis. IEEE Transactions on Image Processing, 2008,

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 37 | Homotopic Image Pseudo-Invariants for Openset Object Recognition and Image Retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1891-1901. | 9.7 | 4 |
| 38 | Correlation Metric for Generalized Feature Extraction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 2229-2235. | 9.7 | 102 |
| 39 | Discriminant Locally Linear Embedding With High-Order Tensor Data. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 342-352. | 5.5 | 250 |
| 40 | Effective Feature Extraction in High-Dimensional Space. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1652-1656. | 5.5 | 33 |
| 41 | Feature Extraction base on Local Maximum Margin Criterion. , 2008, , . |  | 1 |
| 42 | Combining Fuzzy Vector Quantization With Linear Discriminant Analysis for Continuous Human Movement Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1511-1521. | 5.6 | 34 |
| 43 | Bayesian Tensor Approach for 3-D Face Modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1397-1410. | 5.6 | 96 |
| 44 | Dimensionality reduction using covariance operator inverse regression. , 2008, |  | 0 |
| 45 | Handwritten Chinese character recognition using Local Discriminant Projection with Prior Information. , 2008, , . |  | 8 |
| 46 | Effective video event detection via subspace projection. , 2008, |  | 0 |

47 Multimodal preserving embedding for face recognition. , 2008, , . ..... 0
48 Head pose and trajectory recovery in uncalibrated camera networks \&\#x2014;Region of interest tracking in smart home applications. , 2008, , .2
49
Generalized Linear Discriminant Analysis: A Unified Framework and Efficient Model Selection. IEEETransactions on Neural Networks, 2008, 19, 1768-1782.
50 361-364.
51 Dimensionality reduction for text using LLE. , 2008, , . ..... 2
Metric Learning: A general dimension reduction framework for classification and visualization. , 2008, , .2


61 Face image retrieval by using Haar features. , 2008, , . 2

62 An efficient regularized neighborhood discriminant analysis through QR decomposition. , 2008, , . 0

Discriminant simplex analysis. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .
1.8

0

64 Scale invariant face recognition using probabilistic similarity measure. , 2008, , . 2

Convergent 2-D Subspace Learning With Null Space Analysis. IEEE Transactions on Circuits and Systems
for Video Technology, 2008, 18, 1753-1759.
5.6

8

66 Palmprint identification based on directional representation. Conference Proceedings IEEE
International Conference on Systems, Man, and Cybernetics, 2008, , .
0.0

9

ANALYSIS OF SOLUTION FOR SUPERVISED GRAPH EMBEDDING. International Journal of Pattern Recognition and Artificial Intelligence, 2008, 22, 1283-1299.
0.7

3

> 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.

69 Multiple feature fusion by subspace learning. , 2008, , .

70 Two-dimensional locality sensitive discriminant analysis. , 2008, , .
O

71 Image classification based on Laplacian PCA. , 2008, , .

| \# | Article | IF Citations |
| :---: | :---: | :---: |
| 73 | An empirical comparison of graph-based dimensionality reduction algorithms on facial expression recognition tasks. , 2008, , . | 0 |
| 74 | Parzen Discriminant Analysis. , 2008, , | 0 |
| 75 | Directional independent component analysis with tensor representation. , 2008, , . | 17 |
| 76 | Robust learning of discriminative projection for multicategory classification on the Stiefel manifold. , 2008, , . | 18 |
| 77 | 2D-ONPP: Two Dimensional Extension of Orthogonal Neighborhood Preserving Projections for Face Recognition. , 2008, , . | 4 |
| 78 | New Concept for Discriminator Design: From Classifier to Discriminator., 2008, , | 0 |
| 79 | Analysis on two fisher methods and a synthesized discriminant projection. , 2008, , . | 0 |
| 80 | Generalized Locally Linear Embedding Based on Local Reconstruction Similarity. , 2008, | 9 |

81 Enhanced face recognition using tensor neighborhood preserving discriminant projections. , 2008, , . ..... 1
82 Discriminant adaptive edge weights for graph embedding. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .
83 Non-negative graph embedding. , 2008, , .19
84 Correlation Embedding Analysis. , 2008, , . ..... 5
Locality-Preserved Maximum Information Projection. IEEE Transactions on Neural Networks, 2008, 19, ..... 4.8 ..... 78
571-585. ..... 8
86 Misalignment-robust face recognition. , 2008, , . ..... 4
87 Semi-supervised marginal discriminant analysis based on QR decomposition. , 2008, , . ..... 2
88 MC: An Unsupervised Data Preprocessing for Classification. , 2008, , . ..... 1
89 Face Recognition by Discriminative Orthogonal Rank-one Tensor Decomposition. , 0, , . ..... 2
Engineering, 2008, 2008, 1-15.92 Stepwise Correlation metric based Discriminant Analysis and multi-probe images fusion for facerecognition., 2009, , .1
Adapting Discriminative Spatial Filter Based on Movement Related Potentials for BCI. , 2009, , .o
94 Web Document Classification Using MFA and MPM. , 2009, , . ..... 1
95 Uncorrelated multilinear geometry preserving projections for multimodal biometrics recognition. , 2009, , .0
96 Learning an Orthogonal and Smooth Subspace for Image Classification. IEEE Signal Processing Letters,
2009, 16, 303-306. ..... 2.1 ..... 15
97 Multiple Kernel Maximum Margin Criterion. , 2009, , . ..... 0
98 Feature extraction using randomwalks. , 2009, , . ..... 1
99 Optimal Regularization Parameter Estimation for Spectral Regression Discriminant Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1921-1926. ..... 5.6 ..... 10
An geometrically intuitive marginal discriminant analysis method with application to face
recognition., 2009, , . ..... 0
From Laplacian Eigenmaps to Kernel Locality Preserving Projections: Equivalence or Improvement?.,2009, , .2
102 Margin Maximum Embedding Discriminant (MMED) for Feature Extraction and Classification. , 2009, , . ..... 4
103 Locality Preserving Embedding. , 2009, , . ..... 1
104 The application of intrinsic variable preserving manifold learning method to tracking multiple people with occlusion reasoning. , 2009, , . ..... 5
105 A study on automatic age estimation using a large database. , 2009, , . ..... 31
106 Discriminant feature extraction based on center distance. , 2009, , . ..... 0
107 Architecture for semi-automatic multimedia analysis by hypothesis reinforcement. , 2009, , . ..... 3
108 Fuzzy Local Discriminant Embedding (FLDE) For Face Recognition. , 2009, , . ..... 1

117 Enhanced Marginal Fisher Analysis for Face Recognition. , 2009, , . ..... 7
118 Gabor Feature-Based Face Recognition Using Median MSD. , 2009, , . ..... 0
119 Face Recognition Using Marginal Manifold Learning and SVM. , 2009, , . ..... 0
120 Retrieval based interactive cartoon synthesis via unsupervised bi-distance metric learning. , 2009, , . ..... 27
121 Combinatorial discriminant analysis: supervised feature extraction that integrates global and local0.510criteria. Electronics Letters, 2009, 45, 934.
122 Robust feature extraction via information theoretic learning. , 2009, , . ..... 111
Variational Graph Embedding for Globally and Locally Consistent Feature Extraction. Lecture Notes in22
Orthogonal locality minimizing globality maximizing projections for feature extraction. Optical 0.5 ..... 47
124 Engineering, 2009, 48, 017202.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 127 | Supervised feature extraction based on orthogonal discriminant projection. Neurocomputing, 2009, 73, 191-196. | 3.5 | 92 |
| 128 | Orthogonal discriminant linear local tangent space alignment for face recognition. Neurocomputing, 2009, 72, 1319-1323. | 3.5 | 29 |
| 129 | Local linear transformation embedding. Neurocomputing, 2009, 72, 2368-2378. | 3.5 | 33 |
| 130 | Improving the discriminant ability of local margin based learning method by incorporating the global between-class separability criterion. Neurocomputing, 2009, 73, 536-541. | 3.5 | 19 |
| 131 | Finding representative landmarks of data on manifolds. Pattern Recognition, 2009, 42, 2335-2352. | 5.1 | 8 |
| 132 | Feature extraction based on Laplacian bidirectional maximum margin criterion. Pattern Recognition, 2009, 42, 2327-2334. | 5.1 | 67 |
| 133 | Incremental Laplacian eigenmaps by preserving adjacent information between data points. Pattern Recognition Letters, 2009, 30, 1457-1463. | 2.6 | 46 |
| 134 | Machinery fault diagnosis using supervised manifold learning. Mechanical Systems and Signal Processing, 2009, 23, 2301-2311. | 4.4 | 89 |

135 Discriminatively regularized least-squares classification. Pattern Recognition, 2009, 42, 93-104. ..... 5.1 ..... 103
136 Semi-supervised orthogonal discriminant analysis via label propagation. Pattern Recognition, 2009, 42, 2615-2627.

$5.1 \quad 134$
A decision-boundary-oriented feature selection method and its application to face recognition.

Pattern Recognition Letters, 2009, 30, 1166-1174.
2.6

0
13
138 Integrating nonlinear graph based dimensionality reduction schemes with SVMs for credit rating forecasting. Expert Systems With Applications, 2009, 36, 7515-7518.4.424An efficient discriminant-based solution for small sample size problem. Pattern Recognition, 2009, 42,5.167
857-866.
Learning a locality discriminating projection for classification. Knowledge-Based Systems, 2009, 22, ..... 4.0 ..... 18
140 562-568.1.30General moving objects recognition method based on graph embedding dimension reductionalgorithm. Journal of Zhejiang University: Science A, 2009, 10, 976-984.
Patch Alignment for Dimensionality Reduction. IEEE Transactions on Knowledge and Data Engineering, 4.0 ..... 341
142 2009, 21, 1299-1313.HCL2000 - A Large-scale Handwritten Chinese Character Database for Handwritten CharacterRecognition. , 2009, , .50
144 Manifold Discriminant Analysis. , 2009, , .175

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 145 | Locating Nose-Tips and Estimating Head Poses in Images by Tensorposes. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 90-102. | 5.6 | 16 |
| 146 | Discriminant Analysis for Dimensionality Reduction: An Overview of Recent Developments. , 0, , 1-19. |  | 12 |
| 147 | A Taxonomy of Emerging Multilinear Discriminant Analysis Solutions for Biometric Signal Recognition. , 0, , 21-45. |  | 7 |
| 148 | Improving the performance of machine learning based face recognition algorithm with Multiple Weighted Facial Attribute Sets. , 2009, , . |  | 0 |
| 149 | Global Sparse Representation Projections for Feature Extraction and Classification. , 2009, , . |  | 11 |
| 150 | Trace Ratio Problem Revisited. IEEE Transactions on Neural Networks, 2009, 20, 729-735. | 4.8 | 238 |
| 151 | Coupled Spectral Regression for matching heterogeneous faces. , 2009, , . |  | 31 |
| 152 | Feature Generation I: Data Transformation and Dimensionality Reduction. , 2009, , 323-409. |  | 15 |
| 153 | Discriminant Subspace Analysis: An Adaptive Approach for Image Classification. IEEE Transactions on Multimedia, 2009, 11, 1289-1300. | 5.2 | 17 |
| 154 | A Novel Chaotic Neural Network With the Ability to Characterize Local Features and Its Application. IEEE Transactions on Neural Networks, 2009, 20, 735-742. | 4.8 | 29 |
| 156 | Unified Solution to Nonnegative Data Factorization Problems. , 2009, , . |  | 18 |
| 157 | Ubiquitously Supervised Subspace Learning. IEEE Transactions on Image Processing, 2009, 18, 241-249. | 6.0 | 18 |

158 Aircraft Pose Recognition Using Locally Linear Embedding. , 2009, , . ..... 4
159 Multilinear Isometric Embedding for visual pattern analysis. , 2009, , . ..... 3
160 Multiplicative nonnegative greph embedding. , 2009, , . ..... 7
161 Uncorrelated Multilinear Discriminant Analysis With Regularization and Aggrega
Object Recognition. IEEE Transactions on Neural Networks, 2009, 20, 103-123. 4.8 ..... 152
162 Research Advances in Face Recognition. , 2009, , . ..... 5

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 164 | Synchronized Submanifold Embedding for Person-Independent Pose Estimation and Beyond. IEEE Transactions on Image Processing, 2009, 18, 202-210. | 6.0 | 60 |
| 165 | A New Nonparametric Linear Discriminant Analysis Method Based on Marginal Information. , 2009, , |  | 0 |
| 166 | Multimodal Biometrics Recognition by Dimensionality Reduction Method. , 2009, , . |  | 2 |
| 167 | Supervised Neighborhood Topology Learning for Human Action Recognition. , 2009, |  | 1 |
| 168 | Local Graph Embedding Discriminant Analysis for Face Recognition with Single Training Sample Per Person. , 2009, , . |  | 3 |
| 169 | Head pose estimation using Spectral Regression Discriminant Analysis. , 2009, , . |  | 4 |
| 170 | Marginal and Nonlocal Discriminant Embedding for Face Recognition. , 2009, , . |  | 0 |
| 171 | Median MSD-based method for face recognition. Neurocomputing, 2009, 72, 3930-3934. | 3.5 | 23 |
| 172 | Use of random time-intervals (RTIs) generation for biometric verification. Pattern Recognition, 2009, 42, 2787-2796. | 5.1 | 15 |
| 173 | Enhancing Bilinear Subspace Learning by Element Rearrangement. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1913-1920. | 9.7 | 25 |

174 Semi-Supervised Bilinear Subspace Learning. IEEE Transactions on Image Processing, 2009, 18, 1671-1676. ..... 6.0 ..... 41
175 Distance Penalization Embedding for unsupervised dimensionality reduction. , 2009, , . ..... 0A Novel Approach for Face Recognition Based on Supervised Locality Preserving Projection and1Maximum Margin Criterion. , 2009, , .TENSOR LOCALITY SENSITIVE DISCRIMINANT ANALYSIS AND ITS COMPLEXITY. International Journal of

9

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 182 | Locality preserving and global discriminant projection with prior information. Machine Vision and Applications, 2010, 21, 577-585. | 1.7 | 13 |
| 183 | Generalized iterative RELIEF for supervised distance metric learning. Pattern Recognition, 2010, 43, 2971-2981. | 5.1 | 17 |
| 184 | Generalized re-weighting local sampling mean discriminant analysis. Pattern Recognition, 2010, 43, 3422-3432. | 5.1 | 11 |
| 185 | Feature extraction by learning Lorentzian metric tensor and its extensions. Pattern Recognition, 2010, 43, 3298-3306. | 5.1 | 25 |
| 186 | Two-dimensional supervised local similarity and diversity projection. Pattern Recognition, 2010, 43, 3359-3363. | 5.1 | 39 |
| 187 | LPP solution schemes for use with face recognition. Pattern Recognition, 2010, 43, 4165-4176. | 5.1 | 169 |
| 188 | Manifold contraction for semi-supervised classification. Science China Information Sciences, 2010, 53, 1170-1187. | 2.7 | 1 |
| 189 | Laplacian smoothing transform for face recognition. Science China Information Sciences, 2010, 53, 2415-2428. | 2.7 | 14 |
| 190 | SSPS: A Semi-Supervised Pattern Shift for Classification. Neural Processing Letters, 2010, 31, 243-257. | 2.0 | 3 |
| 191 | Local Manifold Learning-Based \$k\$ -Nearest-Neighbor for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2010, , . | 2.7 | 210 |
| 192 | A Doubly Weighted Approach for Appearance-Based Subspace Learning Methods. IEEE Transactions on Information Forensics and Security, 2010, 5, 71-81. | 4.5 | 38 |
| 193 | Gait-Based Human Age Estimation. IEEE Transactions on Information Forensics and Security, 2010, 5, 761-770. | 4.5 | 87 |
| 194 | Sparse Representation for Computer Vision and Pattern Recognition. Proceedings of the IEEE, 2010, 98, 1031-1044. | 16.4 | 1,470 |
| 195 | Outlier-resisting graph embedding. Neurocomputing, 2010, 73, 968-974. | 3.5 | 49 |
| 196 | Discriminant analysis via support vectors. Neurocomputing, 2010, 73, 1669-1675. | 3.5 | 26 |
| 197 | A unified semi-supervised dimensionality reduction framework for manifold learning. Neurocomputing, 2010, 73, 1631-1640. | 3.5 | 45 |
| 198 | A new kernelization framework for Mahalanobis distance learning algorithms. Neurocomputing, 2010, 73, 1570-1579. | 3.5 | 51 |
| 199 |  | 3.5 | 5 |


| ARTICLE |  |
| :--- | :--- |
| 200 | Normalized dimensionality reduction using nonnegative matrix factorization. Neurocomputing, 2010, <br> $73,1783-1793$. | | Unifying perceptual and behavioral learning with a correlative subspace learning rule. |
| :--- |
| Neurocomputing, 2010, 73, 1818-1830. |

214 Sparsity preserving discriminant analysis for single training image face recognition. Pattern

A novel local preserving projection scheme for use with face recognition. Expert Systems With
$215 \quad \begin{aligned} & \text { A novel local preserving projection s. } \\ & \text { Applications, 2010, 37, 6718-6721. }\end{aligned}$
4.436

Linear discriminant projection embedding based on patches alignment. Image and Vision Computing,
2010, 28, 1624-1636.

Dimensionality Reduction with Unsupervised Feature Selection and Applying Non-Euclidean Norms for

## 220 Integrated diagnostics: a conceptual framework with examples. Clinical Chemistry and Laboratory

222 Spectral Partial Least Squares Regression. , 2010, , .

Feature Extraction Based on Sparsity Embedding with Manifold Information for Face Recognition. ,
2010, , .

229 Face recognition and unseen subject rejection in margin-enhanced space. , 2010, , .

230 A Novel Subspace Method for Face Recognition. , 2010, , .

231 Orthogonal Tensor Marginal Fisher Analysis with application to facial expression recognition. , 2010,

232 Tensor Rank One Discriminant Locally Linear Embedding for facial expression classification. , 2010, , .

## 233 Facial expression recognition based orthogonal supervised spectral discriminant analysis. , 2010, , .

| \# | ARTICLE | CITATIONS |
| :--- | :--- | :--- |
| 236 | 3D Face recognition using Tensor Orthogonal Locality Sensitive Discriminant Analysis., 2010, , . |  |

244 Orthogonal linear local spline discriminant embedding for face recognition. , 2010, , . ..... 1
245 Applying optimal algorithm to data-dependent kernel for hyperspectral image classification. , 2010, , . ..... 1

Enhanced locality sensitive discriminant analysis for image recognition. Electronics Letters, 2010, 46, 213.
247 Document clustering algorithm based on NMF and SVDD. , 2010, , .1
248 Random subspace method based on Canonical Correlation Analysis. , 2010, , . ..... 1

Local preserving projections andwithin-class scatter based semi-supervised support vector machines. , 2010, , .

[^0]Incremental Embedding and Learning in the Local Discriminant Subspace With Application to Face253 Recognition. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews,3.3292010, 40, 580-591.


272 Image tag refinement towards low-rank, content-tag prior and error sparsity. , 2010, , .
275 Directional Multimode Subspace Analysis with Tensor Representation-Discriminant Feature
Extraction. , 2010, .

278 Enhanced semi-supervised local fisher discriminant analysis for gene expression data classification. , 2010, , .281 Robust Head Pose Estimation Using Supervised Manifold Learning. Lecture Notes in Computer Science,
2010, ,518-531.
283 Lipreading: A Graph Embedding Approach. , 2010, , .9
284 Ordinary preserving manifold analysis for human age estimation. , 2010, , .20
285 Biologically Inspired Feature Manifold for Scene Classification. IEEE Transactions on Image
Processing, 2010, 19, 174-184. 6.0 ..... 169
286 Dimensionality Reduction by Minimal Distance Maximization. , 2010, , . ..... 12
Tensor Distance Based Multilinear Locality-Preserved Maximum Information Embedding. IEEE
Transactions on Neural Networks, 2010, 21, 1848-1854.4.860288 Topological dynamic Bayesian networks: Application to human face identification across ages. , 2010, , .2
289 Misalignment-Robust Face Recognition. IEEE Transactions on Image Processing, 2010, 19, 1087-1096. 6.0 ..... 27
classification into a framework., 2010, , .

300 Towards a practical lipreading system. , 2011, , . ..... 103
301 Graph-Based Feature Selection for Object-Oriented Classification in VHR Airborne Imagery. IEEE
301 Transactions on Geoscience and Remote Sensing, 2011, 49, 353-365. ..... 2.7 ..... 37
302 Local Sensitive Frontier Analysis based facial expression recognition. , 2011, , .0
303 Modeling Spatiotemporal Structure in fMRI Brain Decoding Using Generalized Sparse Classifiers. , 2011, ..... 15
;.
7
304 Evaluating the informativity of features in dimensionality reduction methods. , 2011, , .
305 Locality repulsion projections for image-to-set face recognition. , 2011, , . ..... 0
306 Clustering Based Fast Low-Rank Approximation for Large-Scale Graph. , 2011, , .2
307 Robust object tracking with boosted discriminative model via graph embedding. , 2011, , . ..... 3
309 Locality Preserving Discriminating Projections for cancer classification. , 2011, , . ..... 0

Classifiability-Based Discriminatory Projection Pursuit. IEEE Transactions on Neural Networks, 2011 , 20 , $2050-2061$.
$317 \quad \begin{array}{ll}\text { Linear S } \\ & 16-26 .\end{array}$
319 Exploring Nonlinear Manifold Learning for Classification of Hyperspectral Data. , 2011, , 207-234.41
320 Generalized group sparse classifiers with application in fMRI brain decoding. , 2011, , . ..... 12
321 Advances in Swarm Intelligence. Lecture Notes in Computer Science, 2011, , . 1.0 ..... 4Trace-Oriented Feature Analysis for Large-Scale Text Data Dimension Reduction. IEEE Transactions onKnowledge and Data Engineering, 2011, 23, $1103-1117$.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 329 | Spectral Embedded Clustering: A Framework for In-Sample and Out-of-Sample Spectral Clustering. IEEE Transactions on Neural Networks, 2011, 22, 1796-1808. | 4.8 | 246 |
| 330 | Learning Linear Discriminant Projections for Dimensionality Reduction of Image Descriptors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 338-352. | 9.7 | 72 |
| 331 | Semisupervised Dimensionality Reduction and Classification Through Virtual Label Regression. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 675-685. | 5.5 | 88 |
| 332 | Regression Reformulations of LLE and LTSA With Locally Linear Transformation. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1250-1262. | 5.5 | 39 |
| 333 | Re-establish the time-order across sensors of different modalities. Optical Engineering, 2011, 50, 047002. | 0.5 | 1 |
| 334 | Face recognition with discriminant locality preserving projections in complete kernel space., 2011, |  | 0 |
| 335 | Iterated Large-Margin Discriminant Analysis for feature Dimensionality Reduction in medical image retrieval. International Journal of Biomedical Engineering and Technology, 2011, 7, 116. | 0.2 | 4 |
| 336 | Analysis of correlation based dimension reduction methods. International Journal of Applied Mathematics and Computer Science, 2011, 21, 549-558. | 1.5 | 19 |
| 337 | Dimensionality Reduction for Histogram Features Based on Supervised Non-negative Matrix Factorization. IEICE Transactions on Information and Systems, 2011, E94-D, 1870-1879. | 0.4 | 3 |
| 338 | Enhanced locality preserving projections using robust path based similarity. Neurocomputing, 2011, 74, 598-605. | 3.5 | 19 |

339 Sparse two-dimensional local discriminant projections for feature extraction. Neurocomputing, 2011, 74, 629-637.
340 Combining local face image features for identity verification. Neurocomputing, 2011, 74, 2452-2463.3.5
Stochastic neighbor projection on manifold for feature extraction. Neurocomputing, 2011, 74,3.512
2780-2789.
Two dimensional principal components of natural images and its application. Neurocomputing, 2011,
$342 \quad 74,2745-2753$. ..... 3.5 ..... 17Ear recognition based on uncorrelated local Fisher discriminant analysis. Neurocomputing, 2011, 74,
344 Improved discriminant locality preserving projections for face and palmprint recognition.

[^1]| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 347 | Optimal locality preserving projection for face recognition. Neurocomputing, 2011, 74, 3941-3945. | 3.5 | 13 |
| 348 | Large margin based nonnegative matrix factorization and partial least squares regression for face recognition. Pattern Recognition Letters, 2011, 32, 1822-1835. | 2.6 | 15 |
| 349 | Kernel Discriminant Embedding in face recognition. Journal of Visual Communication and Image Representation, 2011, 22, 634-642. | 1.7 | 7 |
| 350 | Face recognition using regularised generalised discriminant locality preserving projections. IET Computer Vision, 2011, 5, 107. | 1.3 | 5 |
| 351 | Feature extraction based on fuzzy local discriminant embedding with applications to face recognition. IET Computer Vision, 2011, 5, 301. | 1.3 | 15 |
| 352 | Learning a 3D Human Pose Distance Metric from Ceometric Pose Descriptor. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 1676-1689. | 2.9 | 90 |
| 353 | Face Recognition by Exploring Information Jointly in Space, Scale and Orientation. IEEE Transactions on Image Processing, 2011, 20, 247-256. | 6.0 | 139 |
| 354 | Image Decomposition With Multilabel Context: Algorithms and Applications. IEEE Transactions on Image Processing, 2011, 20, 2301-2314. | 6.0 | 12 |
| 355 | Contextual Kernel and Spectral Methods for Learning the Semantics of Images. IEEE Transactions on Image Processing, 2011, 20, 1739-1750. | 6.0 | 21 |
| 356 | Manifold Regularized Discriminative Nonnegative Matrix Factorization With Fast Gradient Descent. IEEE Transactions on Image Processing, 2011, 20, 2030-2048. | 6.0 | 289 |

357 Multiple Kernel Learning for Dimensionality Reduction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1147-1160.
358 Face Recognition Using Nearest Feature Space Embedding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1073-1086.9.7389.755Maximal Linear Embedding for Dimensionality Reduction. IEEE Transactions on Pattern Analysis andMachine Intelligence, 2011, 33, 1776-1792.3.013Three-dimensional modular discriminant analysis (3DMDA): A new feature extraction approach forface recognition. Computers and Electrical Engineering, 2011, 37, 811-823.

Local discriminative spatial patterns for movement-related potentials-based EEG classification.
$362 \quad$ Tracking feature extraction based on manifold lear

[^2]| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 365 | Feature Extraction Using Laplacian Maximum Margin Criterion. Neural Processing Letters, 2011, 33, 99-110. | 2.0 | 14 |
| 366 | Orthogonal Complete Discriminant Locality Preserving Projections for Face Recognition. Neural Processing Letters, 2011, 33, 235-250. | 2.0 | 2 |
| 367 | Face Recognition Using Kernel UDP. Neural Processing Letters, 2011, 34, 177-192. | 2.0 | 8 |
| 368 | Locality preserving embedding for face and handwriting digital recognition. Neural Computing and Applications, 2011, 20, 565-573. | 3.2 | 16 |
| 369 | A structurally motivated framework for discriminant analysis. Pattern Analysis and Applications, 2011, 14, 349-367. | 3.1 | 5 |
| 370 | Class mean embedding for face recognition. Artificial Intelligence Review, 2011, 36, 285-297. | 9.7 | 3 |
| 371 | Maximal local interclass embedding with application to face recognition. Machine Vision and Applications, 2011, 22, 619-627. | 1.7 | 6 |
| 372 | Exemplar based Laplacian Discriminant Projection. Expert Systems With Applications, 2011, 38, 1061-1065. | 4.4 | 2 |

373 Transfer latent variable model based on divergence analysis. Pattern Recognition, 2011, 44, 2358-2366.
5.1

24

> Unified formulation of linear discriminant analysis methods and optimal parameter selection. Pattern
> Recognition, 2011, 44, 307-319.
5.16

375 From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. Pattern
Recognition, 2011, 44, 1387-1402.
$5.1 \quad 57$

376 Face recognition based on the multi-scale local image structures. Pattern Recognition, 2011, 44,
2565-2575.
$5.1 \quad 46$

Incremental manifold learning by spectral embedding methods. Pattern Recognition Letters, 2011, 32,
1447-1455.
2.6

21
377

Near-infrared calibration transfer based on spectral regression. Spectrochimica Acta - Part A:
Molecular and Biomolecular Spectroscopy, 2011, 78, 1315-1320.
2.0

44

A feature extraction method for synthetic aperture radar (SAR) automatic target recognition based on maximum interclass distance. Science China Technological Sciences, 2011, 54, 2520-2524.
2.0

18
$380 \quad$ Advances in adaptive nonlinear manifolds and dimensionality reduction. Frontiers of Electrical and
Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 72-85.
$0.6 \quad 9$

An optimization criterion for generalized marginal Fisher analysis on undersampled problems.
International Journal of Automation and Computing, 2011, 8, 193-200.
4.5

5

[^3]| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 383 | Nonlinear dimensionality reduction using a temporal coherence principle. Information Sciences, 2011, 181, 3284-3307. | 4.0 | 24 |
| 384 | Orthogonal Tensor Neighborhood Preserving Embedding for facial expression recognition. Pattern Recognition, 2011, 44, 1497-1513. | 5.1 | 17 |
| 385 | A survey of multilinear subspace learning for tensor data. Pattern Recognition, 2011, 44, 1540-1551. | 5.1 | 342 |
| 386 | A multi-manifold discriminant analysis method for image feature extraction. Pattern Recognition, 2011, 44, 1649-1657. | 5.1 | 159 |
| 387 | A detailed investigation into low-level feature detection in spectrogram images. Pattern Recognition, 2011, 44, 2076-2092. | 5.1 | 11 |
| 388 | Orthogonal local spline discriminant projection with application to face recognition. Pattern Recognition Letters, 2011, 32, 615-625. | 2.6 | 2 |
| 389 | Non-uniform multiple kernel learning with cluster-based gating functions. Neurocomputing, 2011, 74, 1095-1101. | 3.5 | 6 |
| 390 | Kernel-view based discriminant approach for embedded feature extraction in high-dimensional space. Neurocomputing, 2011, 74, 1478-1484. | 3.5 | 6 |
| 391 | Face recognition using second-order discriminant tensor subspace analysis. Neurocomputing, 2011, 74, 2142-2156. | 3.5 | 22 |
| 392 | Discriminative learning by sparse representation for classification. Neurocomputing, 2011, 74, 2176-2183. | 3.5 | 43 |
| 393 | Distance metric learning by minimal distance maximization. Pattern Recognition, 2011, 44, 639-649. | 5.1 | 17 |
| 394 | Blockwise projection matrix versus blockwise data on undersampled problems: Analysis, comparison and applications. Pattern Recognition, 2011, 44, 2774-2785. | 5.1 | 6 |
| 395 | Dimensionality reduction by minimizing nearest-neighbor classification error. Pattern Recognition Letters, 2011, 32, 633-639. | 2.6 | 22 |
| 396 | Investigation of supervised dimensionality reduction methods for phonetic classification. , 2011, |  | 1 |

397 Efficient k-nearest neighbor graph construction for generic similarity measures. , 2011, , .
398 Towards feature selection in network. , 2011, , . ..... 64
403 Spectral learning of latent semantics for action recognition. , 2011, , . ..... 5404 Two-Dimensional Neighborhood Structure Preserving Projection., 2011, , .o
405 An orthogonal tensor rank one discriminative graph embedding method for facial expression recognition. , 2011, , . ..... O
406 Linear Discriminant Dimensionality Reduction. Lecture Notes in Computer Science, 2011, , 549-564. ..... 1.0 ..... 32
$407 \quad \begin{array}{ll} & \text { Uncorrel } \\ 077206 .\end{array}$ ..... 0.5 ..... 0408 Sparse representation based spectral regression. , 2011, , .1
$409 \quad$ Enhance ..... 0.5 ..... 1
410 Learning Semi-Riemannian Metrics for Semisupervised ..... 4.0 ..... 14
411 Graph embedding based feature selection. , 2011, , . ..... 0
412 Manifold Inspired feature extraction for hyperspectral image. , 2011, , . ..... 0
Investigating a novel GA-based feature selection method using improved KNN classifiers. International
Journal of Information and Communication Technology, $2011,3,274$. 0.1 ..... 2A NOVEL TEXTURE-BASED MULTI-LINEAR ANALYSIS ALGORITHM FOR FACE RECOGNITION. International
$1.2 \quad 1$
Journal of Image and Graphics, 2011, 11, 495-508.415 The implementation of stage lighting simulation based on OGRE. , 2011, , .0Action recognition using graph embedding and the co-occurrence matrices descriptor. InternationalJournal of Computer Mathematics, 2011, 88, 3896-3914.
417 Learning the sparse representation for classification. , 2011, , . ..... 17420 Discriminative multi-manifold analysis for face recognition from a single training sample per person.,41 2011, ,.
-

422 sLLE: Spherical locally linear embedding with applications to tomography., 2011, , .

## 424 Graph embedding discriminant analysis on Grassmannian manifolds for improved image set matching., <br> 2011, , .

A COMPUTATIONAL AND THEORETICAL ANALYSIS OF LOCAL NULL SPACE DISCRIMINANT METHOD FOR425 PATTERN CLASSIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2011,$0.7 \quad 5$25, 117-134.
426 Bilinear deep learning for image classification. , 2011, , . ..... 50
427 Eigenvector Weighting Function in Face Recognition. Discrete Dynamics in Nature and Society, 2011, 2011, 1-15. 0.5 ..... 5
A Link Analysis Extension of Correspondence Analysis for Mining Relational Databases. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 481-495.
Recognizing pair-activities by causality analysis. ACM Transactions on Intelligent Systems and
429 Technology, 2011, 2, 1-20.
13
A New Manifold Learning Technique for Face Recognition. Communications in Computer andInformation Science, 2012, , 282-286.

$0.4 \quad 2$Multi-scale Patch Based Collaborative Representation for Face Recognition with Margin Distribution$431 \begin{aligned} & \text { Multi-scale Patch Based Collaborative Representation for Face Recog } \\ & \text { Optimization. Lecture Notes in Computer Science, 2012, , 822-835. }\end{aligned}$1.0117
DISTANCE-RATIO LEARNING FOR DATA VISUALIZATION. International Journal of Wavelets,Multiresolution and Information Processing, 2012, 10, 1250055.
$\begin{array}{ll} & \\ 435 & \text { Dimensio } \\ 077208 .\end{array}$$0.5 \quad 2$
Auto-Grouped Sparse Representation for Visual Analysis. Lecture Notes in Computer Science, 2012, ,

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 438 | Semi-supervised dimensionality reduction using estimated class membership probabilities. Journal of Electronic Imaging, 2012, 21, 043010. | 0.5 | 3 |
| 439 | 6DoF object pose measurement by a monocular manifold-based pattern recognition technique. Measurement Science and Technology, 2012, 23, 114005. | 1.4 | 8 |
| 440 | Distributed KNN-graph approximation via hashing. , 2012, , . |  | 5 |
| 441 | Music retagging using label propagation and robust principal component analysis. , 2012, , |  | 12 |
| 442 | Cross-domain representation-learning framework with combination of class-separate and domain-merge objectives. , 2012, , . |  | 24 |
| 443 | On sparse and low-rank matrix decomposition for singing voice separation. , 2012, |  | 27 |
| 444 | Sparse local discriminant projections for discriminant knowledge extraction and classification. IET Computer Vision, 2012, 6, 551-559. | 1.3 | 11 |
| 445 | Pattern Classification Using Eigenspace Projection. , 2012, , |  | 1 |
| 446 | Hypersphere distribution discriminant analysis., 2012, , . |  | 0 |
| 447 | Discriminative Topic Modeling Based on Manifold Learning. ACM Transactions on Knowledge Discovery From Data, 2012, 5, 1-25. | 2.5 | 20 |
| 448 | Kernel-based Regularized Neighbourhood Preserving Embedding in face recognition. , 2012, , . |  | 0 |
| 449 | Human Age Estimation and Sex Classification. Studies in Computational Intelligence, 2012, , 101-131. | 0.7 | 20 |
| 450 | Geodesic Based Semi-supervised Multi-manifold Feature Extraction., 2012, , . |  | 8 |
| 452 | Robust Non-negative Graph Embedding: Towards noisy data, unreliable graphs, and noisy labels. , 2012 |  | 12 |

453 Orthogonal Nearest Neighbor Feature Space Embedding. , 2012, , .
o

454 Markov random field-based real-time detection of intentionally-captured persons. , 2012, , . 3

455 A study on human age estimation under facial expression changes. , 2012, , .
$\#$

457

Article
IF
Citations

457 Multilinear local discriminant analysis using adaptive neighborhood graph construction. , 2012, , .
0
$458 \quad \begin{aligned} & \text { Proximity-Based Frameworks for Generating Embeddings from Multi-O } \\ & \text { Pattern Analysis and Machine Intelligence, 2012, 34, 2216-2232. }\end{aligned}$
459 Intra-class multi-output regression based subspace analysis. , 2012, , .
9.7

28

0

460 Multiple sample group pairs' graph embedding for tracking. , 2012, , .
2

461 Low-Rank Transfer Subspace Learning. , 2012, , .

462 Graph-Based Local Kernel Regression for Image Editing. , 2012, , .

Improved similarity measure-based graph embedding for face recognition. Journal of Electronic
Imaging, 2012, 21, 013002.
0.5

6

464 Graph Based Semi-supervised Non-negative Matrix Factorization for Document Clustering. , 2012, , . 14

Locally connected graph embedding for semisupervised image classification. Journal of Electronic
Imaging, 2012, 21, 043021.
0.5

1

466 Correntropy discriminant embedding for facial expression recognition. , 2012, , .
0

467 On the Theoretical and Computational Analysis between SDA and Lap-LDA. , 2012, , .

```
468 An Improved Robust Sparse Coding for Face Recognition with Disguise. International Journal of Advanced Robotic Systems, 2012, 9, 126.
```

1.3

3

469 Towards the Optimal Discriminant Subspace. , 2012, , .
0
$470 \begin{aligned} & \text { Dimensionality Reduction by Locally Linear Discriminant Analysis for Handwritten Chinese Character } \\ & \text { Recognition. IEICE Transactions on Information and Systems, 2012, E95.D, 2533-2543. }\end{aligned}$

Sparsity Preserving Embedding with Manifold Learning and Discriminant Analysis. IEICE Transactions on Information and Systems, 2012, E95-D, 271-274.

3

Face Recognition and Gender Classification Using Orthogonal Nearest Neighbour Feature Line
Embedding. International Journal of Advanced Robotic Systems, 2012, 9, 101.
1.3

1

Grassmannian locality preserving discriminant analysis to view invariant gait recognition with image
sets. , 2012, , .

An intelligent fault diagnosis method of rolling bearings based on regularized kernel Marginal Fisher

Orthogonal discriminant vector for face recognition across pose. Pattern Recognition, 2012, 45,

481 Application of a locality preserving discriminant analysis approach to ASR. , 2012, , .

Mapping Dynamic Bayesian Networks to <formula formulatype="inline"> <tex
482 Notation="TeX" >\$alpha\$ </tex></formula>-Shapes: Application to Human Faces Identification Across
Ages. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1229-1241.

Face feature extraction and recognition based on discriminant subclass-center manifold preserving projection. Pattern Recognition Letters, 2012, 33, 709-717.

484 Feature extraction based on fuzzy class mean embedding (FCME) with its application to face and palm
484 biometrics. Machine Vision and Applications, 2012, 23, 985-997.

Feature extraction using maximum variance sparse mapping. Neural Computing and Applications, 2012,
485 21, 1827-1833.
3.2

10

Weighted linear embedding: utilizing local and nonlocal information sufficiently. Neural Computing and Applications, 2012, 21, 1845-1853.
$3.2 \quad 1$

Dynamic transition embedding for image feature extraction and recognition. Neural Computing and
3.2

487 Applications, 2012, 21, 1905-1915.
3

From NLDA to LDA/GSVD: a modified NLDA algorithm. Neural Computing and Applications, 2012, 21, 1575-1583.

Maximum inter-class and marginal discriminant embedding (MIMDE) for feature extraction and classification. Neural Computing and Applications, 2012, 21, 1737-1743.
3.2

8

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 493 | Generalized locality preserving Maxiâ€"Min Margin Machine. Neural Networks, 2012, 36, 18-24. | 3.3 | 1 |
| 494 | Uncorrelated Local Maximum Margin Criterion: An Efficient Dimensionality Reduction Method for Text Classification. Procedia Technology, 2012, 4, 370-374. | 1.1 | 4 |
| 495 | Connectivity-informed Sparse Classifiers for fMRI Brain Decoding. , 2012, , . |  | 6 |
| 496 |  |  | 3 |

497 Graph-Optimized Line Discriminant Analysis for Face Recognition. , 2012, , . ..... 0
498 A discrimination preserving projection approach for face recognition. , 2012, , . ..... 0
499 Adaptive Weighted Nearest Feature Space Analysis and Its Application to Feature Extraction. , 2012, , . ..... 1
500 Image Steganalysis by the Distribution Characters of Stego-images in Reduced Dimension Space., 2012, , ..... 0
$501 \quad \begin{aligned} & \text { An Image-Based Visual Speech Anim } \\ & \text { Technology, 2012, 22, 1420-1432. }\end{aligned}$ ..... 5.6 ..... 30
502 Face recognition via discriminative atom decomposition and linear subspace learning. , 2012, , . ..... 0
503 An improved coupled spectral regression for heterogeneous face recognition. , 2012, , . ..... 16
504 Noise-adjusted sparsity-preserving-based dimensionality reduction for hyperspectral image ..... 0
classification. , 2012, ,.Gene Classification Using Parameter-Free Semi-Supervised Manifold Learning. IEEE/ACM Transactionson Computational Biology and Bioinformatics, 2012, 9, 818-827.
506 Appearance-based face recognition using a supervised manifold learning framework. , 2012, , . ..... 1
507
Supervised and Unsupervised Parallel Subspace Learning for Large-Scale Image Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1497-1511.
508 Discriminating classes collapsing for Clobality and Locality Preserving Projections. , 2012, , .0
Fast multi-scale local phase quantization histogram for face recognition. Pattern Recognition Letters, 2012, 33, 1761-1767.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 511 | Graph embedding based feature selection. Neurocomputing, 2012, 93, 115-125. | 3.5 | 12 |
| 512 | Maxi-Min discriminant analysis via online learning. Neural Networks, 2012, 34, 56-64. | 3.3 | 16 |
| 513 | On nonlinear dimensionality reduction for face recognition. Image and Vision Computing, 2012, 30, 355-366. | 2.7 | 24 |
| 514 | Comprehensive Common Spatial Patterns With Temporal Structure Information of EEG Data: Minimizing Nontask Related EEG Component. IEEE Transactions on Biomedical Engineering, 2012, 59, 2496-2505. | 2.5 | 25 |
| 515 | Exploiting graph embedding in support vector machines. , 2012, , . |  | 14 |
| 516 | Adaptive Data Embedding Framework for Multiclass Classification. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1291-1303. | 7.2 | 19 |

517 Laplacian Regularized Subspace Learning for interactive image re-ranking. , 2012, , . ..... 0
$518 \quad \begin{aligned} & \text { Sparse R } \\ & 2012, .,\end{aligned}$ ..... 18519 Graph-Oriented Learning via Automatic Group Sparsity for Data Analysis. , 2012, , .11
520 Sparse-Representation-Based Graph Embedding for Traffic Sign Recognition. IEEE Transactions on 4.7 ..... 66
Intelligent Transportation Systems, 2012, 13, 1515-1524.
0.3 ..... 6521 Face Recognition based on Fuzzy Linear Discriminant Analysis. IERI Procedia, 2012, 2, 873-879.
522 Constrained large Margin Local Projection algorithms and extensions for multimodal dimensionality reduction. Pattern Recognition, 2012, 45, 4466-4493.
5.1 ..... 25Semi-supervised action recognition in video via Labeled Kernel Sparse Coding and sparse L1 graph.523 Pattern Recognition Letters, 2012, 33, 1951-1956.Dimensionality Reduction Based on Neighborhood Preserving and Marginal Discriminant Embedding.1.23Procedia Engineering, 2012, 29, 494-498.Spare Projections with Pairwise Constraints. Procedia Engineering, 2012, 29, 1028-1033.1.20
526 Understanding Kin Relationships in a Photo. IEEE Transactions on Multimedia, 2012, 14, 1046-1056. ..... 5.2 ..... 201
527 Video Analytics for Business Intelligence. Studies in Computational Intelligence, 2012, , . ..... 0.7 ..... 21
528 Conjunctive Patches Subspace Learning With Side Information for Collaborative Image Retrieval. IEEE
Transactions on Image Processing, 2012, 21, 3707-3720. ..... 6.0 ..... 59

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 529 | Coupled Kernel Embedding for Low-Resolution Face Image Recognition. IEEE Transactions on Image Processing, 2012, 21, 3770-3783. | 6.0 | 79 |
| 530 | Coupled Marginal Fisher Analysis for Low-Resolution Face Recognition. Lecture Notes in Computer Science, 2012, , 240-249. | 1.0 | 19 |
| 531 | Collaborative Representation Based Projections for Face Recognition. Communications in Computer and Information Science, 2012, , 276-283. | 0.4 | 4 |
| 532 | Improving Support Vector Data Description for Document Clustering. Advances in Intelligent and Soft Computing, 2012, , 271-276. | 0.2 | 1 |
| 533 | Kernel analysis over Riemannian manifolds for visual recognition of actions, pedestrians and textures., 2012, , . |  | 68 |
| 534 | Manifold Learning for Human Population Structure Studies. PLoS ONE, 2012, 7, e29901. | 1.1 | 10 |
| 535 | Semisupervised Biased Maximum Margin Analysis for Interactive Image Retrieval. IEEE Transactions on Image Processing, 2012, 21, 2294-2308. | 6.0 | 94 |
| 536 | Non-Parametric Kernel Learning with robust pairwise constraints. International Journal of Machine Learning and Cybernetics, 2012, 3, 83-96. | 2.3 | 13 |
| 537 | Fisher Difference Discriminant Analysis: Determining the Effective Discriminant Subspace Dimensions for Face Recognition. Neural Processing Letters, 2012, 35, 203-220. | 2.0 | 6 |
| 538 | Dimensionality reduction with latent variable model. Frontiers of Electrical and Electronic Engineering, 2012, 7, 116-126. | 0.4 | 0 |

539 Feature extraction using orthogonal discriminant local tangent space alignment. Pattern Analysis
Enhanced semi-supervised local Fisher discriminant analysis for face recognition. Future Generation
Computer Systems, 2012, 28, 244-253.
$4.9 \quad 37$

Computer Systems, 2012, 28, 244-253.
37

Semi-supervised ensemble classification in subspaces. Applied Soft Computing Journal, 2012, 12,
4.1

38
.


## 541 1511-1522.

3.0

18
Commute time guided transformation for feature extraction. Computer Vision and Image
542 Understanding, 2012, 116,473-483.
Understanding, 2012, 116, 473-483.

Gene expression data classification based on improved semi-supervised local Fisher discriminant
4.4

11
analysis. Expert Systems With Applications, 2012, 39, 2314-2320.
4. 11

Tensor distance based multilinear globality preserving embedding: A unified tensor based
544 dimensionality reduction framework for image and video classification. Expert Systems With 4.4
Applications, 2012, 39, 10500-10511.

Face recognition using discriminant sparsity neighborhood preserving embedding. Knowledge-Based

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 547 | Regularized locality preserving discriminant embedding for face recognition. Neurocomputing, 2012, 77, 156-166. | 3.5 | 15 |
| 548 | A unified supervised codebook learning framework for classification. Neurocomputing, 2012, 77, 281-288. | 3.5 | 3 |
| 549 | Orthogonal tensor rank one differential graph preserving projections with its application to facial expression recognition. Neurocomputing, 2012, 82, 238-249. | 3.5 | 2 |
| 550 | Two-dimensional margin, similarity and variation embedding. Neurocomputing, 2012, 86, 179-183. | 3.5 | 16 |
| 551 | Local similarity and diversity preserving discriminant projection for face and handwriting digits recognition. Neurocomputing, 2012, 86, 150-157. | 3.5 | 18 |
| 552 | Reconstructive discriminant analysis: A feature extraction method induced from linear regression classification. Neurocomputing, 2012, 87, 41-50. | 3.5 | 24 |
| 553 | Complete local Fisher discriminant analysis with Laplacian score ranking for face recognition. Neurocomputing, 2012, 89, 64-77. | 3.5 | 16 |
| 554 | Discriminative information preservation for face recognition. Neurocomputing, 2012, 91, 11-20. | 3.5 | 26 |

555 Structured sparse linear graph embedding. Neural Networks, 2012, 27, 38-44. ..... 3.3
556 Supervised optimal locality preserving projection. Pattern Recognition, 2012, 45, 186-197. ..... 5.1 ..... 105
A boosting approach for supervised Mahalanobis distance metric learning. Pattern Recognition, 2012,5.128
45, 844-862.
77Graph optimization for dimensionality reduction with sparsity constraints. Pattern Recognition, 2012,558 45, 1205-1210.Beyond sparsity: The role of Ll-optimizer in pattern classification. Pattern Recognition, 2012, 45,5.12161104-1118.
$5.1 \quad 96$Recognition, 2012, 45, 1119-1135.A novel supervised dimensionality reduction algorithm: Graph-based Fisher analysis. Pattern

| \# Article |  |
| :--- | :--- | :--- |
| 565 | A unified dimensionality reduction framework for semi-paired and semi-supervised multi-view data. <br> Pattern Recognition, 2012, 45, 2005-2018. | | A supervised non-linear dimensionality reduction approach for manifold learning. Pattern |
| :--- |
| Recognition, 2012, 45, 2432-2444. |

575 Semi-Supervised Dimension Reduction Using Trace Ratio Criterion. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 519-526.

7.2
576 Regularized Kernel Discriminant Analysis With a Robust Kernel for Face Recognition and Verification.
IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 526-534.
55Partially Supervised Speaker Clustering. IEEE Transactions on Pattern Analysis and Machine9.740
Intelligence, 2012, 34, 959-971. 577A Least-Squares Framework for Component Analysis. IEEE Transactions on Pattern Analysis and9.7137Machine Intelligence, 2012, 34, 1041-1055.Feature Extraction Using a Complete Kernel Extension of Supervised Graph Embedding. NeuralProcessing Letters, 2012, 35, 159-175.
2.0 ..... 0
580 Robust large margin discriminant tangent analysis for face recognition. Neural Computing and ..... 3.2
4
581 Parameterless Local Discriminant Embedding. Neural Processing Letters, 2013, 38, 53-67. ..... 2.0 ..... 3
582 Feature Extraction Based on Maximum Nearest Subspace Margin Criterion. Neural Processing Letters, 2013, 37, 355-375.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 584 | Robust spectral regression for face recognition. Neurocomputing, 2013, 118, 33-40. | 3.5 | 8 |
| 585 | Hierarchical Feature Extraction With Local Neural Response for Image Recognition. IEEE Transactions on Cybernetics, 2013, 43, 412-424. | 6.2 | 38 |
| 586 | Supervised Graph Embedding for Polarimetric SAR Image Classification. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 216-220. | 1.4 | 67 |
| 587 | Robust Image Analysis With Sparse Representation on Quantized Visual Features. IEEE Transactions on Image Processing, 2013, 22, 860-871. | 6.0 | 43 |
| 588 | Multi-metric learning for multi-sensor fusion based classification. Information Fusion, 2013, 14, 431-440. | 11.7 | 25 |
| 589 | An improved palmprint recognition system using iris features. Journal of Real-Time Image Processing, 2013, 8, 253-263. | 2.2 | 10 |
| 590 | A novel matrix-based method for face recognition. Neural Computing and Applications, 2013, 23, 2261-2265. | 3.2 | 2 |
| 591 | Local sparse representation projections for face recognition. Neural Computing and Applications, 2013, 23, 2231-2239. | 3.2 | 13 |
| 592 | Fast Fisher Sparsity Preserving Projections. Neural Computing and Applications, 2013, 23, 691-705. | 3.2 | 12 |
| 593 | Nonlinear discriminant clustering based on spectral regularization. Neural Computing and Applications, 2013, 22, 1599-1608. | 3.2 | 3 |

594 A short survey of hyperspectral remote sensing applications in agriculture. , 2013, , . ..... 96
595 Semisupervised Discriminative Locally Enhanced Alignment for Hyperspectral Image Classification. IEEE 595 Transactions on Geoscience and Remote Sensing, 2013, 51, 4800-4815.Nonlinear discriminant clustering based on spectral regularization. Neural Computing andApplications, 2013, 22, 1599-1608.
Supervised Multiple Kernel Embedding for Learning Predictive Subspaces. IEEE Transactions on ..... 4.0 ..... 7
596 Knowledge and Data Engineering, 2013, 25, 2381-2389.
2.1 ..... 34
597 Multiple kernel local Fisher discriminant analysis for face recognition. Signal Processing, 2013, 93,
2. 1496-1509.2.113
Ordinal regularized manifold feature extraction for image ranking. Signal Processing, 2013, 93,1651-1661.$3.3 \quad 56$
599 2DPCA wSemiâ€supervised lowâ€rank representation graph for pattern recognition. IET Image Processing, 2013, 7,1.420
601 Normalized discriminant analysis for dimensionality reduction. Neurocomputing, 2013, 110, 153-159.

603 Discriminant subspace learning constrained by locally statistical uncorrelation for face recognition.

604 Median null()-based method for face feature recognition. Applied Mathematics and Computation, 2013,

605 Feature extraction based on semi-supervised kernel Marginal Fisher analysis and its application in
bearing fault diagnosis. Mechanical Systems and Signal Processing, 2013, 41, 113-126.

606 Hypergraph-based multi-example ranking with sparse representation for transductive learning image

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 620 | An Analysis of Monochrome Conversions and Normalizations on the Local Binary Patterns Texture Descriptors. , 2013, , . |  | 3 |
| 621 | Automated Induction of Heterogeneous Proximity Measures for Supervised Spectral Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1575-1587. | 7.2 | 4 |
| 622 | A new approach to dimensionality reduction based on locality preserving LDA. , 2013, , . |  | 0 |
| 623 | General Subspace Learning With Corrupted Training Data Via Graph Embedding. IEEE Transactions on Image Processing, 2013, 22, 4380-4393. | 6.0 | 28 |
| 624 | Discriminant-enhanced neighborhood preserving embedding for dimensionality reduction. , 2013, , . |  | 0 |
| 625 | On Similarity Preserving Feature Selection. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 619-632. | 4.0 | 249 |
| 626 | Marginal Fisher Analysis-based feature extraction for identification of drug and explosive concealed by body packing. Analytical Methods, 2013, 5, 6331. | 1.3 | 6 |
| 627 | Head yaw estimation via symmetry of regions. , 2013, |  | 2 |

628 Principal Component Analysis Integrating Mahalanobis Distance for Face Recognition. , 2013, , . ..... 3
629 Semi-spatiotemporal fMRI Brain Decoding. , 2013, , . ..... 3
630 High Level Classification Totally Based on Complex Networks. , 2013, , . ..... 4
631 Feature extraction of face based on the sparse manifold configuration. , 2013, , . ..... 2
632 Improved twin support vector machine using total margin and graph embedding. , 2013, , . ..... 0
633 Dimensionality reduction with the $k$-associated optimal graph applied to image classification. , 2013, , . ..... 5
634 Graph Embedding Based Semi-supervised Discriminative Tracker. , 2013, , . ..... 11
635 Low-rank embedding for semisupervised face classification. , 2013, , . ..... 5
636 M-Isomap: Orthogonal Constrained Marginal Isomap for Nonlinear Dimensionality Reduction. IEEE
637 Fast Algorithm for Approximate k-Nearest Neighbor Graph Construction. , 2013, , .11


| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 657 | Unsupervised approximate-semantic vocabulary learning for human action and video classification. Pattern Recognition Letters, 2013, 34, 1870-1878. | 2.6 | 5 |
| 658 | Stable Orthogonal Local Discriminant Embedding for Linear Dimensionality Reduction. IEEE Transactions on Image Processing, 2013, 22, 2521-2531. | 6.0 | 53 |
| 659 | Learning dictionary on manifolds for image classification. Pattern Recognition, 2013, 46, 1879-1890. | 5.1 | 71 |
| 660 | Latent semantic learning with structured sparse representation for human action recognition. Pattern Recognition, 2013, 46, 1799-1809. | 5.1 | 19 |
| 661 | An Explicit Nonlinear Mapping for Manifold Learning. IEEE Transactions on Cybernetics, 2013, 43, 51-63. | 6.2 | 73 |
| 662 | Fully automatic face recognition framework based on local and global features. Machine Vision and Applications, 2013, 24, 537-549. | 1.7 | 23 |
| 663 | Large Margin Subspace Learning for feature selection. Pattern Recognition, 2013, 46, 2798-2806. | 5.1 | 26 |
| 664 | Tensor Discriminative Locality Alignment for Hyperspectral Image Spectralâe"Spatial Feature Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 242-256. | 2.7 | 251 |
| 665 | Image-to-Set Face Recognition Using Locality Repulsion Projections and Sparse Reconstruction-Based Similarity Measure. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1070-1080. | 5.6 | 34 |
| 666 | Robust gait recognition via discriminative set matching. Journal of Visual Communication and Image Representation, 2013, 24, 439-447. | 1.7 | 11 |
| 667 | Selective multiple kernel learning for classification with ensemble strategy. Pattern Recognition, 2013, 46, 3081-3090. | 5.1 | 27 |
| 668 | Dimensionality Reduction with Dimension Selection. Lecture Notes in Computer Science, 2013, , 508-519. | 1.0 | 1 |

A novel feature descriptor based on biologically inspired feature for head pose estimation.
669 Neurocomputing, 2013, 115, 1-10.

|  | Regularized Discriminative Spectral Regression Method for Heterogeneous Face Matching. IEEE | 6.0 |
| :--- | :--- | :--- |
| Transactions on Image Processing, 2013, 22, 353-362. | 64 |  |

Sparse Representation Classifier Steered Discriminative Projection With Applications to Face 671 Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1023-1035.
7.2

184

A complete and fully automated face verification system on mobile devices. Pattern Recognition, 2013,
46, 45-56.
5.1

41

Simultaneous discriminative projection and dictionary learning for sparse representation based

Facial age estimation based on label-sensitive learning and age-oriented regression. Pattern
5.1

126

Learning from local and global discriminative information for semi-supervised dimensionality682 Supervised Spatio-Temporal Neighborhood Topology Learning for Action Recognition. IEEE682 Transactions on Circuits and Systems for Video Technology, 2013, 23, 1447-1460.sensor. Applied Optics, 2013, 52, 5279.
$\begin{array}{ll} & \\ & \text { Assessing } \\ 3,19-24 .\end{array}$
686 Low-Rank Matrix Recovery with Discriminant Regularization. Lecture Notes in Computer Science, 2013,, 437-448.
688 Multiple Kernel Spectral Regression for Dimensionality Reduction. Journal of Applied Mathematics,

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 693 | Coupled cross-regression for low-resolution face recognition. Journal of Electronic Imaging, 2013, 22, 023015. | 0.5 | 1 |
| 694 | Similarity-Based Pattern Analysis and Recognition. Advances in Computer Vision and Pattern Recognition, 2013, , . | 0.9 | 9 |
| 695 | Feature extraction using graph discriminant embedding. , 2013, , . |  | 1 |
| 696 | Maximum margin sparse representation discriminative mapping with application to face recognition. Optical Engineering, 2013, 52, 027202. | 0.5 | 3 |
| 697 | Synchronized Submanifold Embedding for Robust and Real-Time Capable Head Pose Detection Based on Range Images. , 2013, , . |  | 2 |
| 698 | Kernel Coupled Cross-Regression for Low-Resolution Face Recognition. Mathematical Problems in Engineering, 2013, 2013, 1-9. | 0.6 | 0 |
| 699 | Improved complete neighbourhood preserving embedding for face recognition. IET Computer Vision, 2013, 7, 71-79. | 1.3 | 4 |
| 700 | A novel borderline preserving embedding manifold learning algorithm. , 2013, . |  | 1 |
| 701 | Multisource data fusion for image classification using fisher criterion based nearest feature space approach. , 2013, , . |  | 1 |
| 702 | Fixed-dimensional acoustic embeddings of variable-length segments in low-resource settings. , 2013, . |  | 62 |

703 Feature Extraction Based on Nearest Feature Line and Compressive Sensing. , 2013, , . 1

704 Marginal sample discriminant embedding for SAR automatic target recognition. , 2013, , . 0
Ordinary Preserving Manifold Analysis for Human Age and Head Pose Estimation. IEEE Transactions on
Human-Machine Systems, 2013, 43, 249-258.

706 Noise aware manifold learning for robust speech recognition. , 2013, , .
5

707 Face recognition using Histogram of co-occurrence Gabor phase patterns. , 2013, , .
4

708 Classification on hyperspectral images using Enhanced Fisher Discriminant Criterion. , 2013, ,. 5

709 Efficient manifold learning for speech recognition using locality sensitive hashing. , 2013, , .

Real-time privacy protection system for social videos using intentionally-captured persons detection.,

```
2D and 3D active shape model with SURF algorithm for OBJECT retrieval: Content Based Image
```

2

713 Multi-object Tracking under Occlusion Using Dual-Mode Graph Embedding. , 2013, , .
0

714 2DPCA-based two-dimensional marginal sample discriminant embedding for SAR ATR. , 2013, , . 1

715 Adaptive cooperative tracking based on multi-graph embedding and Markov Random Field. , 2013, , .

Kernel Fisher Discriminant Analysis with Locality Preserving for Feature Extraction and Recognition.
International Journal of Computational Intelligence Systems, 2013, 6, 1059.

Research on Eit Boundary Measured Voltage Data Denoising Based on a Subspace Method.
Biotechnology and Biotechnological Equipment, 2013, 27, 4157-4161.
0.5

2

719 Nonnegative discriminative manifold learning for hyperspectral data dimension reduction. , 2013, , .
6

720 Maximum Margin Learning Projections for Face Recognition. , 2013, , .

Feature extraction based on discriminant analysis with penalty constraint for hyperspectral image

```
Semisupervised Kernel Marginal Fisher Analysis for Face Recognition. Scientific World Journal, The,
2013, 2013, 1-13.
```

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 729 | Combining active and metric learning for hyperspectral image classification. , 2014, , . |  | 0 |
| 730 | Kernelized sparse graph-embedded dimensionality reduction for hyperspectral image classification. , 2014, , . |  | 1 |
| 731 | Similarity Measure Learning in Closed-Form Solution for Image Classification. Scientific World Journal, The, 2014, 2014, 1-15. | 0.8 | 1 |
| 732 | Maximum Neighborhood Margin Discriminant Projection for Classification. Scientific World Journal, The, 2014, 2014, 1-16. | 0.8 | 18 |
| 733 | A Vehicle Detection Algorithm Based on Deep Belief Network. Scientific World Journal, The, 2014, 2014, 1-7. | 0.8 | 21 |
| 734 | Modeling the shape hierarchy for visually guided grasping. Frontiers in Computational Neuroscience, 2014, 8, 132. | 1.2 | 1 |
| 735 | Multiview Discriminative Geometry Preserving Projection for Image Classification. Scientific World Journal, The, 2014, 2014, 1-11. | 0.8 | 3 |
| 736 | SPARSITY SCORE: A NOVEL GRAPH-PRESERVING FEATURE SELECTION METHOD. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450009. | 0.7 | 28 |
| 737 | A new locally linear KNN method with an improved marginal Fisher analysis for image classification. , 2014, , . |  | 5 |
| 739 | Facial Age Estimation by Adaptive Label Distribution Learning. , 2014, |  | 69 |
| 741 | Identifying group discriminative and age regressive sub-networks from DTI-based connectivity via a unified framework of non-negative matrix factorization and graph embedding. Medical Image Analysis, 2014, 18, 1337-1348. | 7.0 | 20 |
| 742 | Fisher's Discriminant with Natural Image Priors. , 2014, . |  | 0 |

743 Sequential Pattern Analysis with Right Granularity. , 2014, , .
0

```
744 Two-dimensional direct discriminant locality preserving projection analysis for face recognition. ,
2014, ,.
```

Semi-supervised dimensionality reduction based on kernel marginal fisher analysis and sparsity preserving., 2014, , .

0

Genomic prediction based on data from three layer lines using non-linear regression models. Genetics
Selection Evolution, 2014, 46, 75 .
1.2

5

747 Double sparse local fisher discriminant analysis for facial expression recognition. , 2014, , .

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 749 | S3CCA: Smoothly Structured Sparse CCA for Partial Pattern Matching. , 2014, , . |  | 3 |
| 750 | Laplacian Eigenmaps modification using adaptive graph for pattern recognition. , 2014, , |  | 3 |
| 751 | Unsupervised Adaptation Across Domain Shifts by Generating Intermediate Data Representations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2288-2302. | 9.7 | 160 |
| 752 | Latent Tensor Transfer Learning for RGB-D Action Recognition. , 2014, , |  | 31 |
| 753 | A General Nonlinear Embedding Framework Based on Deep Neural Network., 2014, , . |  | 3 |
| 754 | Sparse Manifold Preserving for Hyperspectral Image Classification. Communications in Computer and Information Science, 2014, , 210-218. | 0.4 | 0 |
| 755 | Fault diagnosis of rolling bearings based on Marginal Fisher analysis. JVC/Journal of Vibration and Control, 2014, 20, 470-480. | 1.5 | 24 |
| 756 | Large Margin Low Rank Tensor Analysis. Neural Computation, 2014, 26, 761-780. | 1.3 | 22 |

757 Low-Rank Common Subspace for Multi-view Learning. , 2014, , . ..... 92
758 Building Recognition on Subregionâ $€^{T M}$ s Multiscale Cist Feature Extraction and Corresponding Columns Information Based Dimensionality Reduction. Journal of Applied Mathematics, 2014, 2014, 1-10.正Submanifold Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24,
$760 \quad \begin{aligned} & \text { Submanifold } \\ & \\ & \\ & \\ & 1885-1897\end{aligned}$
5.68Neighbourhood sensitive preserving embedding for pattern classification. IET Image Processing, 2014,1.47
761 8, 489-497.
0.6 ..... 1Dimension Reduction Using Samplesấ $€^{\text {TM }}$ Inner Structure Based Graph for Face Recognition. MathematicalProblems in Engineering, 2014, 2014, 1-11.
764 Face recognition using user specific features. , 2014, , .
765 Consensus inference with multilayer graphs for multi-modal data. , 2014, , .
768 Kernel sparse representation based classification for undersampled problem. , 2014, , . ..... 19
Fast neighbourhood component analysis with spatially smooth regulariser for robust noisy face 1.6 ..... 1
Fast neighbourhood component analysis with
recognition. IET Biometrics, 2014, 3, 278-290.
771 Nonlinear dimensionality reduction for kinematic cartography with an application toward robotic locomotion., 2014, , . ..... 3
772 Local vector pattern in high-order derivative space for face recognition. , 2014, , . ..... 14
773 Random Walk Kernel Applications to Classification Using Support Vector Machines. , 2014, , .0
774 Temporal skeletonization on sequential data. , 2014, , . ..... 20
775 Cross-Modality Submodular Dictionary Learning for Information Retrieval. , 2014, , .43
776 Locality sensitive discriminant analysis for classification of hyperspectral data. , 2014, , . ..... 1
777 Semi-supervised Marginal Fisher Analysis. , 2014, , . ..... 1
778
Projected Gradients for Subclass Discriminant Nonnegative Subspace Learning. IEEE Transactions on ..... 6.2 ..... 16
Cybernetics, 2014, 44, 2806-2819.6.231
779 Learning Locality Preserving Graph from Data. IEEE Transactions on Cybernetics, 2014, 44, 2088-2098.Range clusters based time-of-flight 3D imaging obstacle detection in manifold space. Optics Express,2.3

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 785 | Vehicle color classification using manifold learning methods from urban surveillance videos. Eurasip Journal on Image and Video Processing, 2014, 2014, . | 1.7 | 8 |
| 786 | A Hierarchical Word-Merging Algorithm with Class Separability Measure. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 417-435. | 9.7 | 12 |
| 787 | Spatio-temporal texture (SpTeT) for distinguishing vulnerable from stable atherosclerotic plaque on dynamic contrast enhancement (DCE) MRI in a rabbit model. Medical Physics, 2014, 41, 042303. | 1.6 | 14 |
| 788 | Generalized Autoencoder: A Neural Network Framework for Dimensionality Reduction. , 2014, |  | 214 |
| 789 | Joint Embedding Learning and Sparse Regression: A Framework for Unsupervised Feature Selection. IEEE Transactions on Cybernetics, 2014, 44, 793-804. | 6.2 | 552 |
| 790 | Learning Discriminant Face Descriptor. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 289-302. | 9.7 | 282 |
| 791 | Linear Subspace Learning via sparse dimension reduction. , 2014, , . |  | 0 |
| 792 | Face recognition using spatially smoothed discriminant structure-preserved projections. Journal of Electronic Imaging, 2014, 23, 023012. | 0.5 | 6 |
| 793 | Regularized least square discriminant projection and feature selection. Journal of Electronic Imaging, 2014, 23, 013003. | 0.5 | 2 |
| 794 | Network-based data classification: combining K-associated optimal graphs and high-level prediction. Journal of the Brazilian Computer Society, 2014, 20, | 0.8 | 11 |

795 Unsupervised Discriminant Canonical Correlation Analysis for Feature Fusion. , 2014, , . ..... 6
796 Uncorrelated regularized local Fisher discriminant analysis for face recognition. Journal of Electronic Imaging, 2014, 23, 043017. 0.5 ..... 2
Sequential Projection Pursuit with Kernel Matrix Update and Symbolic Model Selection. IEEE6.23
Transactions on Cybernetics, 2014, 44, 2458-2469. 797Single-sample-per-person-based face recognition using fast Discriminative Multi-manifold Analysis. ,10
2014, , .Factorization and ELM. Mathematical Problems in Engineering, 2014, 2014, 1-10.

808 | Improved discriminant sparsity neighborhood preserving embedding for hyperspectral image |
| :--- |
| classification. Neurocomputing, 2014, 136, 224-234. |

809 | An approximate closed-form solution to correlation similarity discriminant analysis. |
| :--- |
| Neurocomputing, 2014, 135, 284-298. |

$810 \quad$| Discriminality-driven regularization framework for indefinite kernel machine. Neurocomputing, 2014, |
| :--- |
| 133, 209-221. |

811 | Text style analysis using trace ratio criterion patch alignment embedding. Neurocomputing, 2014, 136, |
| :--- |
| 201-212. |

812 Steganalysis based on distribution characters of stego-images in reduced dimension space. Multimedia
Tools and Applications, 2014, 71, 497-515.

Graph embedding discriminant analysis for face recognition. Neural Computing and Applications, 2014,
813 24, 1697-1706.
$3.2 \quad 5$

Learning high-dimensional correspondence via manifold learning and local approximation. Neural
Computing and Applications, 2014, 24, 1555-1568.
$3.2 \quad 7$

815 Weighted marginal discriminant analysis. Neural Computing and Applications, 2014, 24, 503-511.
$3.2 \quad 1$816 Sparse Transfer Manifold Embedding for Hyperspectral Target Detection. IEEE Transactions on2.7173Geoscience and Remote Sensing, 2014, 52, 1030-1043.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 821 | Hierarchical Manifold Learning With Applications to Supervised Classification for High-Resolution Remotely Sensed Images. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1677-1692. | 2.7 | 13 |
| 822 | Generalized Transfer Subspace Learning Through Low-Rank Constraint. International Journal of Computer Vision, 2014, 109, 74-93. | 10.9 | 247 |
| 823 | An approach to facial expression recognition integrating radial basis function kernel and multidimensional scaling analysis. Soft Computing, 2014, 18, 1363-1371. | 2.1 | 5 |
| 824 | Inductive hierarchical nonnegative graph embedding for â€œverbâ€"objectâ€-image classification. Machine Vision and Applications, 2014, 25, 1647-1659. | 1.7 | 1 |
| 825 | Adaptive Graph Embedding Discriminant Projections. Neural Processing Letters, 2014, 40, 211-226. | 2.0 | 6 |
| 826 | Multilinear Graph Embedding: Representation and Regularization for Images. IEEE Transactions on Image Processing, 2014, 23, 741-754. | 6.0 | 15 |
| 827 | Perceptual relativity-based semi-supervised dimensionality reduction algorithm. Applied Soft Computing Journal, 2014, 16, 112-123. | 4.1 | 4 |
| 828 | Face recognition by sparse discriminant analysis via joint L2,1-norm minimization. Pattern Recognition, 2014, 47, 2447-2453. | 5.1 | 139 |
| 829 | A Markov Random Field Groupwise Registration Framework for Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 657-669. | 9.7 | 19 |
| 830 | Regularized complete linear discriminant analysis. Neurocomputing, 2014, 137, 185-191. | 3.5 | 16 |
| 831 | Manifold-Based Sparse Representation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7606-7618. | 2.7 | 100 |
| 832 | Manifold-Learning-Based Feature Extraction for Classification of Hyperspectral Data: A Review of Advances in Manifold Learning. IEEE Signal Processing Magazine, 2014, 31, 55-66. | 4.6 | 230 |
| 833 | Embedding new observations via sparse-coding for non-linear manifold learning. Pattern Recognition, 2014, 47, 480-492. | 5.1 | 33 |
| 834 | A Regularized Approach for Geodesic-Based Semisupervised Multimanifold Learning. IEEE Transactions on Image Processing, 2014, 23, 2133-2147. | 6.0 | 14 |
| 835 | Incremental minâ€"max projection analysis for classification. Neurocomputing, 2014, 123, 121-130. | 3.5 | 3 |
| 836 | Neighborhood Repulsed Metric Learning for Kinship Verification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 331-345. | 9.7 | 348 |
| 837 | Fault diagnosis of rolling element bearings via discriminative subspace learning: Visualization and classification. Expert Systems With Applications, 2014, 41, 3391-3401. | 4.4 | 74 |
| 838 | Silhouette analysis for human action recognition based on maximum spatio-temporal dissimilarity embedding. Machine Vision and Applications, 2014, 25, 1007-1018. | 1.7 | 9 |


| \# | Article | IF | Citation |
| :---: | :---: | :---: | :---: |
| 839 | Hyperspectral Image Classification Using Nearest Feature Line Embedding Approach. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 278-287. | 2.7 | 35 |
| 840 | Identification of multi-scale corresponding object-set pairs between two polygon datasets with hierarchical co-clustering. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 88, 60-68. | 4.9 | 12 |
| 841 | Visual Words Assignment Via Information-Theoretic Manifold Embedding. IEEE Transactions on Cybernetics, 2014, 44, 1924-1937. | 6.2 | 26 |
| 842 | Relative manifold based semi-supervised dimensionality reduction. Frontiers of Computer Science, 2014, 8, 923-932. | 1.6 | 5 |
| 844 | Sparse Alignment for Robust Tensor Learning. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1779-1792. | 7.2 | 63 |
| 845 | Integrating supervised subspace criteria with restricted Boltzmann Machine for feature extraction. , 2014, , |  | 6 |
| 846 | Learning Expressionlets on Spatio-temporal Manifold for Dynamic Facial Expression Recognition., 2014, , . |  | 236 |
| 847 | A Family of Discriminative Manifold Learning Algorithms and Their Application to Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 161-171. | 4.0 | 6 |
| 848 | Merging SVMs with Linear Discriminant Analysis: A Combined Model. , 2014, , . |  | 4 |
| 849 | Per-Cluster Ensemble Kernel Learning for Multi-Modal Image Clustering With Group-Dependent Feature Selection. IEEE Transactions on Multimedia, 2014, 16, 2229-2241. | 5.2 | 10 |
| 850 | Visualizing Multidimensional Data with Glyph SPLOMs. Computer Graphics Forum, 2014, 33, 301-310. | 1.8 | 19 |
| 851 | Integrating Local and Global Manifold structures for unsupervised dimensionality reduction. , 2014, , |  | 4 |

852 Recursive soft margin subspace learning. , 2014, , .
0
853 K-associated optimal network for graph embedding dimensionality reduction. , 2014, , . ..... 6
Neighborhood Geometric Center Scaling Embedding for SAR ATR. IEEE Transactions on Aerospace and

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 858 | Robust Hashing With Local Models for Approximate Similarity Search. IEEE Transactions on Cybernetics, 2014, 44, 1225-1236. | 6.2 | 74 |
| 859 | Transfer Learning of Structured Representation for Face Recognition. IEEE Transactions on Image Processing, 2014, 23, 5440-5454. | 6.0 | 39 |
| 860 | Modified Principal Component Analysis: An Integration of Multiple Similarity Subspace Models. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1538-1552. | 7.2 | 54 |
| 861 | Fast orthogonal linear discriminant analysis with applications to image classification. , 2014, |  | 6 |
| 862 | Multiview face recognition based on multilinear decomposition and pose manifold. IET Image Processing, 2014, 8, 300-309. | 1.4 | 9 |
| 863 | A flexible and efficient algorithm for regularized Marginal Fisher analysis. , 2014, , |  | 2 |
| 864 | Sample Discriminant Analysis for SAR ATR. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2120-2124. | 1.4 | 40 |
| 865 | Simultaneous Tensor Decomposition and Completion Using Factor Priors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 577-591. | 9.7 | 239 |
| 866 | Robust locality preserving projection based on maximum correntropy criterion. Journal of Visual Communication and Image Representation, 2014, 25, 1676-1685. | 1.7 | 10 |
| 867 | Learning Regularized LDA by Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2191-2201. | 7.2 | 97 |
| 868 | Sparse Graph-Based Discriminant Analysis for Hyperspectral Imagery. IEEE Transactions on Ceoscience and Remote Sensing, 2014, 52, 3872-3884. | 2.7 | 113 |
| 869 | Multi-feature multi-manifold learning for single-sample face recognition. Neurocomputing, 2014, 143, 134-143. | 3.5 | 53 |
| 870 | Discriminant Bag of Words based representation for human action recognition. Pattern Recognition Letters, 2014, 49, 185-192. | 2.6 | 68 |
| 871 | Graph regularized multiset canonical correlations with applications to joint feature extraction. Pattern Recognition, 2014, 47, 3907-3919. | 5.1 | 41 |

872 Robust Recognition via Information Theoretic Learning. SpringerBriefs in Computer Science, 2014, , . ..... 0.2 ..... 26
873 Data Uncertainty in Face Recognition. IEEE Transactions on Cybernetics, 2014, 44, 1950-1961. ..... 6.2 ..... 148

| \# | ARticle |
| :--- | :--- |
| 876 | Sparse pose manifolds. Autonomous Robots, 2014, 37, 191-207. |

888 Robust (Semi) Nonnegative Graph Embedding. IEEE Transactions on Image Processing, 2014, 23, 2996-3012. ..... 6.0 ..... 47
889 Multi-manifold metric learning for face recognition based on image sets. Journal of Visual ..... 1.7 ..... 14
Communication and Image Representation, 2014, 25, 1774-1783.Structural max-margin discriminant analysis for feature extraction. Knowledge-Based Systems, 2014,70, 154-166.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 894 | Fisher discrimination based low rank matrix recovery for face recognition. Pattern Recognition, 2014, 47, 3502-3511. | 5.1 | 26 |
| 895 | Enhanced iterative projection for subclass discriminant analysis under EM-alike framework. Pattern Recognition, 2014, 47, 1113-1125. | 5.1 | 8 |
| 896 | Locality and similarity preserving embedding for feature selection. Neurocomputing, 2014, 128, 304-315. | 3.5 | 57 |
| 897 | Supervised locality discriminant manifold learning for head pose estimation. Knowledge-Based Systems, 2014, 66, 126-135. | 4.0 | 10 |
| 898 | Local maximal margin discriminant embedding for face recognition. Journal of Visual Communication and Image Representation, 2014, 25, 296-305. | 1.7 | 13 |
| 899 | Dimensionality reduction: An interpretation from manifold regularization perspective. Information Sciences, 2014, 277, 694-714. | 4.0 | 12 |
| 900 | Supervised orthogonal discriminant subspace projects learning for face recognition. Neural Networks, 2014, 50, 33-46. | 3.3 | 12 |
| 901 | A novel supervised feature extraction and classification fusion algorithm for land cover recognition of the off-land scenario. Neurocomputing, 2014, 140, 77-83. | 3.5 | 4 |
| 902 | Weighted discriminative sparsity preserving embedding for face recognition. Knowledge-Based Systems, 2014, 57, 136-145. | 4.0 | 17 |
| 903 | Global plus local: A complete framework for feature extraction and recognition. Pattern Recognition, 2014, 47, 1433-1442. | 5.1 | 38 |
| 904 | A Rayleighâ€"Ritz style method for large-scale discriminant analysis. Pattern Recognition, 2014, 47, 1698-1708. | 5.1 | 15 |
| 905 | Feature extraction using local structure preserving discriminant analysis. Neurocomputing, 2014, 140, 104-113. | 3.5 | 87 |
| 906 | Joint Laplacian feature weights learning. Pattern Recognition, 2014, 47, 1425-1432. | 5.1 | 11 |
| 907 | Discriminant similarity and variance preserving projection for feature extraction. Neurocomputing, 2014, 139, 180-188. | 3.5 | 15 |
| 908 | Hybrid structure for robust dimensionality reduction. Neurocomputing, 2014, 124, 131-138. | 3.5 | 6 |
| 909 | Soft label based Linear Discriminant Analysis for image recognition and retrieval. Computer Vision and Image Understanding, 2014, 121, 86-99. | 3.0 | 26 |
| 910 | Multiple Kernel Sparse Representations for Supervised and Unsupervised Learning. IEEE Transactions on Image Processing, 2014, 23, 2905-2915. | 6.0 | 64 |
| 911 |  | 6.0 | 0 |


| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 912 | Multi-subregion based correlation filter bank for robust face recognition. Pattern Recognition, 2014, 47, 3487-3501. | 5.1 | 41 |
| 913 | A general soft label based Linear Discriminant Analysis for semi-supervised dimensionality reduction. Neural Networks, 2014, 55, 83-97. | 3.3 | 57 |
| 914 | Regularized extreme learning machine for multi-view semi-supervised action recognition. Neurocomputing, 2014, 145, 250-262. | 3.5 | 102 |
| 915 | How to Estimate the Regularization Parameter for Spectral Regression Discriminant Analysis and its Kernel Version?. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 211-223. | 5.6 | 31 |
| 916 | Learning locality-constrained collaborative representation for robust face recognition. Pattern Recognition, 2014, 47, 2794-2806. | 5.1 | 85 |
| 917 | Image clustering based on sparse patch alignment framework. Pattern Recognition, 2014, 47, 3512-3519. | 5.1 | 95 |
| 918 | A trace ratio maximization approach to multiple kernel-based dimensionality reduction. Neural Networks, 2014, 49, 96-106. | 3.3 | 21 |
| 919 | Two-dimensional bilinear preserving projections for image feature extraction and classification. Neural Computing and Applications, 2014, 24, 901-909. | 3.2 | 4 |

920 Machine Vision and Machine Learning in Digital Pathology. , 2014, , 3711-3722.
6

921 Graph Embedded Total Margin Twin Support Vector Machine and Its Applications. , 2014, , 385-405.
0

922 Generalized discriminant analysis model and its extension for facial expression recognition. , 2014, , .
3
923 A Grassmann graph embedding framework for gait analysis. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .
Local texture description framework-based modified local directional number pattern: a new descriptor for face recognition. International Journal of Biometrics, 2015, 7, 147.
0.3
4

```
Learning the discriminative dictionary for sparse representation by a general fisher regularized
model., 2015, , .
```

Entire Gabor kernel locality preserving Fisher discriminant analysis: Subspace approach for
932 Fingerprint Creation Algorithm Based-On Dimensionality Reduction. , 2015, , . ..... 0
933 Local Subspace Collaborative Tracking. , 2015, , . ..... 10
934 Robust Visual Tracking Using Sparse Discriminative Graph Embedding. IEICE Transactions on $0.4 \quad 1$ Information and Systems, 2015, E98.D, 938-947.1.6
and Biology, 2015, 60, 6459-6478
936 Semi-Supervised Classification Based on Mixture Graph. Algorithms, 2015, 8, 1021-1034.1.22937 Graph Regularized Within-Class Sparsity Preserving Projection for Face Recognition. Information(Switzerland), 2015, 6, 152-161.
A Dimension Reduction Framework for HS
Remote Sensing, 2015, 7, 14292-14326. ..... 1.8 ..... 6
939 Local and Global Geometric Structure Preserving and Application to Hyperspectral Image Classification. Mathematical Problems in Engineering, 2015, 2015, 1-13. ..... 0.6 ..... 8
940 Incremental Discriminant Analysis in Tensor Space. Computational Intelligence and Neuroscience, 2015, ..... 2015, 1-10.
1.1 ..... 0
Subspace Learning via Local Probability Distribution for Hyperspectral Image Classification.
941 Mathematical Problems in Engineering, 2015, 2015, 1-17.0.61
0.63
$942 \begin{aligned} & \text { Face Recognition Using Doub } \\ & \text { Engineering, 2015, 2015, 1-9. }\end{aligned}$. 6
0.0 ..... 0943 Graph Structure for Visual Signal Sensing. Springer Theses, 2015, , 45-62.
$944 \quad \begin{aligned} & \text { Patchâ€based loca } \\ & \text { 2015, 9, 211-217. }\end{aligned}$ ..... 1.4 ..... 4
Max-Margin Discriminant Projection via Data Augmentation. IEEE Transactions on Knowledge and Data
Engineering, 2015, 27, 1964-1976.4.015
$5.1 \quad 52$
$946 \quad \begin{aligned} & \text { Discriminat } \\ & \text { 2543-2553. }\end{aligned}$Semi-supervised local ridge regression for local matching based face recognition. Neurocomputing,2015, 167, 132-146.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 949 | Learning a Nonnegative Sparse Graph for Linear Regression. IEEE Transactions on Image Processing, 2015, 24, 2760-2771. | 6.0 | 72 |
| 950 | Dimensionality reduction of hyperspectral images based on sparse discriminant manifold embedding. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 106, 42-54. | 4.9 | 47 |
| 951 | Robust Multiview Feature Learning for RGB-D Image Understanding. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-19. | 2.9 | 10 |
| 952 | Novel general KNN classifier and general nearest mean classifier for visual classification. , 2015, , |  | 4 |
| 953 | Subclass Marginal Fisher Analysis. , 2015, , . |  | 3 |
| 954 | Graph regularized discriminant analysis and its application to face recognition. , 2015, , |  | 0 |
| 955 | Learning Hypergraph-regularized Attribute Predictors. , 2015, , . |  | 78 |
| 956 | Deep transfer metric learning. , 2015, , |  | 154 |

957 Log-Gabor Weber descriptor for face recognition. Journal of Electronic Imaging, 2015, 24, 053014.
958 Orthogonal self-guided similarity preserving projections. , 2015, , . ..... 2
959 Distance Preserving Marginal Hashing for image retrieval. , 2015, , . ..... 0
960 Discriminant sparse coding with geometrical constraint. , 2015, , . ..... 0
961 Graph Embedding Exploiting Subclasses. , 2015, , . ..... 2
962 Learning With Hypergraph for Hyperspectral Image Feature Extraction. IEEE Geoscience and Remote
Sensing Letters, 2015, 12, 1695-1699. ..... 1.4 ..... 37Robust face recognition via low-rank sparse representation-based classification. International

965 Within-class penalty based multi-class support vector machine. , 2015, , .
$\#$

967

Discriminative Analysis for Symmetric Positive Definite Matrices on Lie Groups. IEEE Transactions on

968 Ll-Norm Driven Semi-supervised Local Discriminant Projection for Robust Image Representation. , 2015,

969 Kernel optimization strategy based on mean shift. , 2015, , .
970 Local Image Descriptor: Modern Approaches. SpringerBriefs in Computer Science, 2015, , .
974 Heteroscedastic max-min distance analysis. , 2015, , . ..... 19
975 LINE. , 2015, , . ..... 3,420
976 Burgeoning Methods: Binary Descriptors. SpringerBriefs in Computer Science, 2015, , 43-67. ..... 0.2 ..... 0
977 Uncorrelated slow feature discriminant analysis using globality preserving projections for feature ..... 3.5 ..... 15 extraction. Neurocomputing, 2015, 168, 488-499.

Feature extraction using adaptive slow feature discriminant analysis. Neurocomputing, 2015, 154,

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 985 | Image classification via least square semi-supervised discriminant analysis with flexible kernel regression for out-of-sample extension. Neurocomputing, 2015, 153, 96-107. | 3.5 | 5 |
| 986 | A novel semi-supervised learning for face recognition. Neurocomputing, 2015, 152, 69-76. | 3.5 | 31 |
| 987 | Instance-specific canonical correlation analysis. Neurocomputing, 2015, 155, 205-218. | 3.5 | 5 |
| 988 | Robust Structured Subspace Learning for Data Representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2085-2098. | 9.7 | 303 |
| 989 | Semisupervised Feature Selection via Spline Regression for Video Semantic Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 252-264. | 7.2 | 156 |
| 990 | Local-Manifold-Learning-Based Graph Construction for Semisupervised Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2832-2844. | 2.7 | 105 |
| 991 | Nonparametric discriminant multi-manifold learning for dimensionality reduction. Neurocomputing, 2015, 152, 121-126. | 3.5 | 25 |
| 992 | Manifold Regularized Local Sparse Representation for Face Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 651-659. | 5.6 | 26 |
| 993 | Ensemble manifold regularized sparse low-rank approximation for multiview feature embedding. Pattern Recognition, 2015, 48, 3102-3112. | 5.1 | 260 |
| 994 | Supervised sparse manifold regression for head pose estimation in 3D space. Signal Processing, 2015, 112, 34-42. | 2.1 | 62 |
| 995 | Sparse discriminant learning with <i>â," </i><sub>1</sub>-graph for hyperspectral remote-sensing image classification. International Journal of Remote Sensing, 2015, 36, 1307-1328. | 1.3 | 7 |
| 996 | Region contrast and supervised locality-preserving projection-based saliency detection. Visual Computer, 2015, 31, 1191-1205. | 2.5 | 10 |

Fast orthogonal linear discriminant analysis with application to image classification.
Neurocomputing, 2015, 158, 216-224.

3.5

15
998 Information retrieval approach to meta-visualization. Machine Learning, 2015, 99, 189-229. 3.4 ..... 11

Entropy-cum-Hough-transform-based ear detection using ellipsoid particle swarm optimization.

[^4]| \# ARTICLE |  |
| :--- | :--- | :--- |
| 1003 | Weakly-supervised scene parsing with multiple contextual cues. Information Sciences, 2015, 323, 59-72. |

1013 Subspace learning with frequency regularizer: Its application to face recognition. , 2015, , .

| 1ntegrating different data types by regularized unsupervised multiple kernel learning with application |  | 1.8 |
| :--- | :--- | :--- |

## 1017

Silhouette Analysis for Human Action Recognition Based on Supervised Temporal t-SNE and 6.0

59 Incremental Learning. IEEE Transactions on Image Processing, 2015, 24, 3203-3217.
4.0

61

IF
Citations
1021

Sparse representation-based robust face recognition by graph regularized low-rank sparse representation recovery. Neurocomputing, 2015, 164, 220-229.
Multiple kernel dimensionality reduction via spectral regression and trace ratio maximization.

1024 | Knowledge-Based Systems, 2015, 83, 159-169. |
| :--- |

1025

| Learning Stable Multilevel Dictionaries for Sparse Representations. IEEE Transactions on Neural |
| :--- |
| Networks and Learning Systems, 2015, 26, 1913-1926. |

1026 Dimensionality Reduction and Latent Variables Modeling. , 2015, , 937-1011.

Integrating virtual samples and fuzzy discriminant analysis for sparse representation-based face
classification. Journal of Electronic Imaging, 2015, 24, 023013.

| Robust Nonnegative Patch Alignment for Dimensionality Reduction. IEEE Transactions on Neural | 7.2 |
| :--- | :--- |

1029 A Novel Feature Extraction Method Based on Collaborative Representation for Face Recognition.
International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1556004.
0.7

> Adaptive unsupervised slow feature analysis for feature extraction. Journal of Electronic Imaging,

2015, 24, 023021.
0.5

0

1031 Deeply-Learned Feature for Age Estimation. , 2015, , .

$$
\begin{aligned}
& 1032 \text { Facial expression recognition based on improved local binary pattern and class-regularized locality } \\
& \text { preserving projection. Signal Processing, 2015, 117, 1-10. }
\end{aligned}
$$

2.186

Binary Data Embedding Framework for Multiclass Classification. IEEE Transactions on Human-Machine Systems, 2015, 45, 453-464.
2.5

7

Automated Depression Diagnosis Based on Facial Dynamic Analysis and Sparse Coding. IEEE
Transactions on Information Forensics and Security, 2015, 10, 1432-1441.
4.5

86
1034

A Framework of Joint Graph Embedding and Sparse Regression for Dimensionality Reduction. IEEE
6.0

Transactions on Image Processing, 2015, 24, 1341-1355.
57

High-dimensional semi-supervised learning via a fusion-refinement procedure. Signal Processing, 2015, 114, 171-182.
2.1

4

Manifold discriminant regression learning for image classification. Neurocomputing, 2015, 166,
3.5

35

1038

Two-dimensional principal component analysis based on Schatten p -norm for image feature
extraction. Journal of Visual Communication and Image Representation, 2015, 32, 55-62.

Unsupervised Discovery of Subspace Trends. IEEE Transactions on Pattern Analysis and Machine
Intelligence, 2015, 37, 2131-2145.

1042 A novel dimensionality reduction technique based on kernel optimization through graph embedding.

Signal, Image and Video Processing, 2015, 9, 3-10.

Loose L 1 | 2 regularised sparse representation for face recognition. IET Computer Vision, 2015, 9, 251-258.
1.3

5

1044 A New Supervised Manifold Learning Algorithm. Lecture Notes in Computer Science, 2015, , 240-251.
1.0

3

## 1045

Sparse extreme learning machine classifier exploiting intrinsic graphs. Pattern Recognition Letters, 2015, 65, 192-196.
2.6

51046 Missing Modality Transfer Learning via Latent Low-Rank Constraint. IEEE Transactions on ImageProcessing, 2015, 24, 4322-4334.

Two-dimensional discriminant multi-manifolds locality preserving projection for facial expression recognition. , 2015, , .
3.4

Multisource Data Fusion and Fisher Criterion-Based Nearest Feature Space Approach to Landslide
1055 Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015,

Simultaneous Sparse Graph Embedding for Hyperspectral Image Classification. IEEE Transactions on

## Multi-view Semantic Learning for Data Representation. Lecture Notes in Computer Science, 2015, ,

 367-382.1064 Bayesian principal geodesic analysis for estimating intrinsic diffeomorphic image variability. Medical1064 Image Analysis, 2015, 25, 37-44.
1065 Cross-Modal Subspace Learning via Pairwise Constraints. IEEE Transactions on Image Processing, 2015,24, 5543-5556.
1066 Dimensionality Reduction by Integrating Sparse Representation and Fisher Criterion and its
$6.0 \quad 32$Applications. IEEE Transactions on Image Processing, 2015, 24, 5684-5695.32
1067 Cost-Sensitive Local Binary Feature Learning for Facial Age Estimation. IEEE Transactions on Image6.0105Processing, 2015, 24, 5356-5368.
5.1 ..... 18Tensor representation learning based image patch analysis for text identification and recognition.Pattern Recognition, 2015, 48, 1211-1224.
5.1 ..... 45Two-stage multiple kernel learning for supervised dimensionality reduction. Pattern Recognition,
2015, 48, 1854-1862.
1.4 ..... 5Orthogonal multilinear discriminant analysis and its subblock tensor analysis version. Optik, 2015,126, 361-367.Double adjacency graphs-based discriminant neighborhood embedding. Pattern Recognition, 2015, 48,3.22

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 1075 | Graph Embedded Nonparametric Mutual Information for Supervised Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 951-963. | 7.2 | 27 |
| 1076 | Discriminative Embedded Clustering: A Framework for Grouping High-Dimensional Data. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1287-1299. | 7.2 | 72 |
| 1077 | Projection-optimal local Fisher discriminant analysis for feature extraction. Neural Computing and Applications, 2015, 26, 589-601. | 3.2 | 14 |
| 1078 | Combining Fisher locality preserving projections and passband DCT for efficient palmprint recognition. Neurocomputing, 2015, 152, 179-189. | 3.5 | 19 |
| 1079 | Extreme spectral regression for efficient regularized subspace learning. Neurocomputing, 2015, 149, 171-179. | 3.5 | 12 |
| 1080 | NNMap: A method to construct a good embedding for nearest neighbor classification. Neurocomputing, 2015, 152, 97-108. | 3.5 | 3 |
| 1081 | Real World Data Mining Applications. Annals of Information Systems, 2015, , . | 0.5 | 4 |
| 1082 | From Local Geometry to Global Structure: Learning Latent Subspace for Low-resolution Face Image Recognition. IEEE Signal Processing Letters, 2015, 22, 554-558. | 2.1 | 40 |
| 1083 | Discriminative Spectralâ€"Spatial Margin-Based Semisupervised Dimensionality Reduction of Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 224-228. | 1.4 | 35 |
| 1084 | Nonlinear Topological Component Analysis: Application to Age-Invariant Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1375-1387. | 7.2 | 30 |
| 1085 | A unified multiset canonical correlation analysis framework based on graph embedding for multiple feature extraction. Neurocomputing, 2015, 148, 397-408. | 3.5 | 45 |
| 1086 | A collaborative representation based projections method for feature extraction. Pattern Recognition, 2015, 48, 20-27. | 5.1 | 203 |
| 1087 | Sparse and Dense Hybrid Representation via Dictionary Decomposition for Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1067-1079. | 9.7 | 142 |
| 1088 | Dimension Reduction Using Spatial and Spectral Regularized Local Discriminant Embedding for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1082-1095. | 2.7 | 200 |
| 1089 | Evolutionary compact embedding for large-scale image classification. Information Sciences, 2015, 316, 567-581. | 4.0 | 20 |
| 1090 | Locality Regularization Embedding for face verification. Pattern Recognition, 2015, 48, 86-102. | 5.1 | 8 |

[^5]| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 1093 | Semi-supervised classification based on subspace sparse representation. Knowledge and Information Systems, 2015, 43, 81-101. | 2.1 | 32 |
| 1094 | Scaling cut criterion-based discriminant analysis for supervised dimension reduction. Knowledge and Information Systems, 2015, 43, 633-655. | 2.1 | 13 |
| 1095 | Locally Discriminant Diffusion Projection and Its Application in Speech Emotion Recognition. Automatika, 2016, 57, 37-45. | 1.2 | 1 |
| 1097 | Learning pathological deviations from a normal pattern of myocardial motion. , 2016, , 365-382. |  | 0 |
| 1098 | Robust Face Recognition Via Gabor Feature and Sparse Representation. ITM Web of Conferences, 2016, 7, 02004. | 0.4 | 0 |
| 1099 | Ship-radiated noise feature extraction using multiple kernel graph embedding and auditory model. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 2374-2386. | 0.9 | 1 |
| 1100 | Modified Kernel Marginal Fisher Analysis for Feature Extraction and Its Application to Bearing Fault Diagnosis. Shock and Vibration, 2016, 2016, 1-16. | 0.3 | 9 |
| 1101 | Histogram of Oriented Gradient Based Gist Feature for Building Recognition. Computational Intelligence and Neuroscience, 2016, 2016, 1-9. | 1.1 | 23 |
| 1102 | A Unified Factors Analysis Framework for Discriminative Feature Extraction and Object Recognition. Mathematical Problems in Engineering, 2016, 2016, 1-12. | 0.6 | 1 |
| 1103 | Low-Rank Kernel-Based Semisupervised Discriminant Analysis. Applied Computational Intelligence and Soft Computing, 2016, 2016, 1-9. | 1.6 | 1 |
| 1104 | A Fusion Face Recognition Approach Based on 7-Layer Deep Learning Neural Network. Journal of Electrical and Computer Engineering, 2016, 2016, 1-7. | 0.6 | 13 |
| 1105 | Regularized Embedded Multiple Kernel Dimensionality Reduction for Mine Signal Processing. Computational Intelligence and Neuroscience, 2016, 2016, 1-12. | 1.1 | 1 |
| 1106 | Discriminative graph-based dimensionality reduction for hyperspectral image classification. , 2016, , . |  | 2 |
| 1107 | Kernel Manifold Alignment for Domain Adaptation. PLoS ONE, 2016, 11, e0148655. | 1.1 | 76 |
| 1108 | Measuring glomerular number from kidney MRI images. , 2016, , . |  | 1 |
| 1109 | Deep and Structured Robust Information Theoretic Learning for Image Analysis. IEEE Transactions on Image Processing, 2016, 25, 1-1. | 6.0 | 22 |
| 1110 | Robust joint nearest subspace for hyperspectral image classification. Remote Sensing Letters, 2016, 7, 915-924. | 0.6 | 2 |
| 1111 | Wireless sensor networks localization based on graph embedding with polynomial mapping. Computer Networks, 2016, 106, 151-160. | 3.2 | 13 |


| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 1112 | Fast nonnegative tensor factorization based on graph-preserving for 3D facial expression recognition., 2016, , . |  | 6 |
| 1113 | An overview on data representation learning: From traditional feature learning to recent deep learning. Journal of Finance and Data Science, 2016, 2, 265-278. | 1.8 | 120 |
| 1114 | Unsupervised feature extraction using a learned graph with clustering structure. , 2016, , . |  | 1 |
| 1115 | Combining graph embedding and sparse regression with structure low-rank representation for semi-supervised learning. Complex Adaptive Systems Modeling, 2016, 4, . | 1.6 | 1 |
| 1116 | Dimensionality reduction of hyperspectral images with local geometric structure Fisher analysis., 2016, , . |  | 2 |
| 1117 | A robust background regression based score estimation algorithm for hyperspectral anomaly detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 122, 126-144. | 4.9 | 24 |
| 1118 | Trace Quotient Meets Sparsity: A Method for Learning Low Dimensional Image Representations. , 2016, , |  | 14 |
| 1119 | Cost-Sensitive Local Collaborative Representation for Software Defect Prediction. , 2016, , . |  | 5 |

1120 Semi-supervised sparse dimensionality reduction for hyperspectral image classification. , 2016, , . ..... 1
1121 A discriminant manifold non-negative matrix factorization algorithm for facial expression recognition. , 2016, , .
1122 Heterogeneous and Homogeneous Samples with Different Weights for Classification. , 2016, , .0
1123 Robust 2DPCA and Its Application. , 2016, , . ..... 7MultiBoost with ENN-based ensemble fault diagnosis method and its application in complicatedchemical process. Journal of Central South University, 2016, 23, 1183-1197.
1125 Graph-regularized multi-class support vector machines for face and action recognition. , 2016, , .1
1126 Face recognition using locality sparsity preserving projections. , 2016, , .3
1127 ARC: A pipeline approach enabling large-scale graph visualization. , 2016, , . ..... 0
1128 Feature space distance metric learning for discriminant graph embedding., 2016, , . ..... 1
1129 Local Similarity based Linear Graph Embedding., 2016, , .0

A Simple Deep Feature Representation for Person Re-identification. Communications in Computer and
1136 Maximumâ $\epsilon^{\text {" }}$ minimumâE"median average MSD-based approach for face recognition. AEU - International ..... 1.7 ..... 12
Journal of Electronics and Communications, 2016, 70, 920-927.$2.7 \quad 18$Robust geometric â," $p$-norm feature pooling for image classification and action recognition. Image andVision Computing, 2016, 55, 64-76.
A Novel Semi-Supervised Learning Approach in Artificial Olfaction for E-Nose Application. IEEE Sensors Journal, 2016, 16, 4919-4931.

Spare L1-norm-based maximum margin criterion. Journal of Visual Communication and Image
1.7

7

Sparse and Low-Rank Graph for Discriminant Analysis of Hyperspectral Imagery. IEEE Transactions on
Geoscience and Remote Sensing, 2016, 54, 4094-4105.

Deep Ranking for Person Re-Identification via Joint Representation Learning. IEEE Transactions on Image

1146 Visual Understanding via Multi-Feature Shared Learning With Global Consistency. IEEE Transactions on Multimedia, 2016, 18, 247-259.
0.2

```
1156 Local subspace smoothness alignment for constrained local model fitting. Neurocomputing, 2016, 214,
1156 785-795.
```

1158 | Deep Attributes Driven Multi-camera Person Re-identification. Lecture Notes in Computer Science, 2016, |
| :--- |
| , $475-491$. |Jointly Informative and Manifold Structure Representative Sampling Based Active Learning for Remote

Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6803-6817.
1162 Orthogonal discriminant analysis revisited. Pattern Recognition Letters, 2016, 84, 149-155. ..... 2.6 ..... 1

Kernel-aligned multi-view canonical correlation analysis for image recognition. Infrared Physics and

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 1167 | Deep Transfer Metric Learning. IEEE Transactions on Image Processing, 2016, 25, 5576-5588. | 6.0 | 59 |
| 1168 | Sparse Representation Based Complete Kernel Marginal Fisher Analysis Framework for Computational Art Painting Categorization. Lecture Notes in Computer Science, 2016, , 612-627. | 1.0 | 8 |
| 1169 | Data field modeling and data description for hyperspectral target detection. Journal of Applied Remote Sensing, 2016, 10, 035001. | 0.6 | 3 |
| 1170 | Multi-temporal and multi-source remote sensing image classification by nonlinear relative normalization. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 120, 1-12. | 4.9 | 54 |
| 1171 | Marginal discriminant analysis using support vectors for dimensionality reduction of hyperspectral data. Remote Sensing Letters, 2016, 7, 1160-1169. | 0.6 | 8 |
| 1172 | Face Recognition Based on Deep Belief Network Combined with Center-Symmetric Local Binary Pattern. Lecture Notes in Electrical Engineering, 2016, , 277-283. | 0.3 | 13 |
| 1173 | Label information-based weighted regularized sparsity preserving embedding for face recognition. , 2016, , . |  | 0 |
| 1174 | Effects of image compression on ear biometrics. IET Biometrics, 2016, 5, 252-261. | 1.6 | 8 |

1175 Stacked Tensor Subspace Learning for hyperspectral image classification. , 2016, , . 1
1176 Sparse graph-based inductive learning with its application to image classification. Journal of
Electronic Imaging, 2016, 25, 050502. ..... $0.5 \quad 1$
1177
Kernel dictionary learning based discriminant analysis. Journal of Visual Communication and Image Representation, 2016, 40, 470-484. ..... 1.7 ..... 13
1178 Laplacian Regularized Collaborative Graph for Discriminant Analysis of Hyperspectral Imagery. IEEE 2.7 ..... 44
Transactions on Geoscience and Remote Sensing, 2016, 54, 7066-7076.
Low-Rank Tensor Subspace Learning for RGB-D Action Recognition. IEEE Transactions on Image Processing, 2016, 25, 4641-4652. ..... 6.0 ..... 35
11796.020
1180 Multiple Kernel Sparse Representation based Orthogonal Discriminative Projection and Its
Cost-Sensitive Extension. IEEE Transactions on Image Processing, 2016, 25, 1-1.Dimensionality reduction for hyperspectral image classification based on multiview graphs ensemble.Journal of Applied Remote Sensing, 2016, 10, 030501.
1182 BRAD: Background regression based hyperspectral anomaly detection, a k-nn score estimation aspect. ,11183 Action Unit recognition in still images using graph-based feature selection. , 2016, , .3
1184 Network structural optimization based on swarm intelligence for highlevel classification. , 2016, , .1186 Multiscale kernel locally penalised discriminant analysis exemplified by emotion recognition in21187 Relational Fisher Analysis: A general framework for dimensionality reduction. , 2016, , .3
1188 Scalable Nearest Neighbor Sparse Graph Approximation by Exploiting Graph Structure. IEEE 4.4 ..... 3
1189 Collaborative Sparse Preserving Projections for Feature Extraction. , 2016, , .o
1190 Multi-view Deep Network for Cross-View Classification. , 2016, , . ..... 106
1191 Cross-modal subspace learning for sketch-based image retrieval: A comparative study. , 2016, , . ..... 12
1192 Extended Discriminative Spatial Pyramid. , 2016, , . ..... 0
1193 Ear biometrics for patient identification in global health: a cross-sectional study to test thefeasibility of a simplified algorithm. BMC Research Notes, 2016, 9, 484.
1194 A feature fusion framework for hashing. , 2016, , .3
1195 Discriminative sparsity preserving graph embedding. , 2016, , . ..... 5
1196 Exploiting local and global geometric data relationships in Support Vector Data Description. , 2016, , . ..... 0
1197 A method to integrate KSSOMFA and WKNN together on faults identification of rotating machinery. ,0
1198 Image matting in the perception granular deep learning. Knowledge-Based Systems, 2016, 102, 51-63. ..... 4.0 ..... 13
Biased subspace learning for misalignment-robust facial expression recognition. Neurocomputing,3.5
1200 Orthogonal maximum margin projection subspace for radar target HRRP recognition. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .
Discrimin
183-192.3.5
1204 Graph Embedded One-Class Classifiers for media data classification. Pattern Recognition, 2016, 60,
585-595.
5.1

37

1205 An embedding approach to anomaly detection. , 2016, , .
1206 Graph Embedded Extreme Learning Machine. IEEE Transactions on Cybernetics, 2016, 46, 311-324. ..... 6.2 ..... 86
1207 Relevance and irrelevance graph based marginal Fisher analysis for image search reranking. Signal2.16
1208 Sparsity preserving discriminative learning with applications to face recognition. Journal of ..... 0.5 ..... 5
1209 Image classification by visual bag-of-words refinement and reduction. Neurocomputing, 2016, 173,373-384.3.521
1210 Discriminative Semantic Subspace Analysis for Relevance Feedback. IEEE Transactions on Image ..... 6.0 ..... 21
1211 Discriminant structure embedding for image recognition. Neurocomputing, 2016, 174, 850-857.3.5
1212 Cross-validation of matching correlation analysis by resampling matching weights. Neural Networks, 2016, 75, 126-140.
$3.3 \quad 5$
1213 Hyperspectral Image Classification via JCR and SVM Models With Decision Fusion. IEEE Geoscience andRemote Sensing Letters, 2016, 13, 177-181.1.443
1214 Discriminative Transfer Subspace Learning via Low-Rank and Sparse Representation. IEEE Transactions on Image Processing, 2016, 25, 850-863.
6.0246Kernel propagation strategy: A novel out-of-sample propagation projection for subspace learning.1.76Journal of Visual Communication and Image Representation, 2016, 36, 69-79.Dimensionality reduction on Anchorgraph with an efficient Locality Preserving Projection.3.525Neurocomputing, 2016, 187, 109-118.Discriminant Manifold Learning via Sparse Coding for Image Analysis. Lecture Notes in ComputerScience, 2016, , 244-255.
Semi-supervised orthogonal discriminant projection for plant leaf classification. Pattern Analysis and
Applications, 2016, 19, 953-961.3.119Dimension reduction using collaborative representation reconstruction based projections.Neurocomputing, 2016, 193, 1-6.

```
1228 Multi-manifold Discriminant Isomap for visualization and classification. Pattern Recognition, 2016, 55,
```

L1-norm and maximum margin criterion based discriminant locality preserving projections via trace

Lasso. Pattern Recognition, 2016, 55, 207-214.
1230 Locally learning heterogeneous manifolds for phonetic classification. Computer Speech and
Language, 2016, 38, 28-45.
$2.9 \quad 5$
1231 Large Polarimetric SAR Data Semi-Supervised Classification With Spatial-Anchor Graph. IEEE Journal ofSelected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1439-1458.

Local structure based multi-phase collaborative representation for face recognition with single

Sparsity embedding projections for sparse representation-based classification. Optik, 2016, 127, 3605-3613.

| 1242 | Quadratic projection based feature extraction with its application to biometric recognition. Pattern <br> Recognition, 2016, 56, 40-49. | 5.1 |
| :--- | :--- | :--- |
| 1243 | Face recognition using supervised probabilistic principal component analysis mixture model in <br> dimensionality reduction without loss framework. IET Computer Vision, 2016, 10, 193-201. | 1.3 |
| 1244 | Active-Metric Learning for Classification of Remotely Sensed Hyperspectral Images. IEEE Transactions <br> on Geoscience and Remote Sensing, 2016, 54, 1925-1939. | 2.7 |

Parameterless reconstructive discriminant analysis for feature extraction. Neurocomputing, 2016, 190, 50-59.
1248 Information Forensics and Security, 2016, 11, 426-428.

Optimal feature extraction methods for classification methods and their applications to biometric recognition. Knowledge-Based Systems, 2016, 99, 112-122.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 1257 | Phone classification via manifold learning based dimensionality reduction algorithms. Speech Communication, 2016, 76, 28-41. | 1.6 | 3 |
| 1258 | LEDTD: Local edge direction and texture descriptor for face recognition. Signal Processing: Image Communication, 2016, 41, 40-45. | 1.8 | 15 |
| 1259 | Discriminative orthogonal elastic preserving projections for classification. Neurocomputing, 2016, 179, 54-68. | 3.5 | 22 |
| 1260 | Query-Adaptive Reciprocal Hash Tables for Nearest Neighbor Search. IEEE Transactions on Image Processing, 2016, 25, 907-919. | 6.0 | 78 |
| 1261 | Canonical principal angles correlation analysis for two-view data. Journal of Visual Communication and Image Representation, 2016, 35, 209-219. | 1.7 | 11 |
| 1262 | Face recognition using locality sensitive histograms of oriented gradients. Optik, 2016, 127, 3489-3494. | 1.4 | 19 |
| 1263 | Human Activity Recognition and Prediction. , 2016, , . |  | 24 |
| 1264 | Recognition of leaf image set based on manifoldâ€"manifold distance. Neurocomputing, 2016, 188, 131-138. | 3.5 | 7 |

1265 Face recognition using part-based dense sampling local features. Neurocomputing, 2016, 184, 176-187. ..... 3.5 ..... 23
1266 Learning representations from multiple manifolds. Pattern Recognition, 2016, 50, 74-87. ..... 5.1 ..... 20
1267 Fully automatic face normalization and single sample face recognition in unconstrainedenvironments. Expert Systems With Applications, 2016, 47, 23-34.4.4122
1268 Discriminant Hyper-Laplacian Projections and its scalable extension for dimensionality reduction.
Neurocomputing, 2016, 173, 145-153.
3.515Dimensionality reduction for histogram features: A distance-adaptive approach. Neurocomputing,2016, 173, 181-195.
$3.5 \quad 4$
1270 Orthogonal component analysis: A fast dimensionality reduction algorithm. Neurocomputing, 2016,
177, 136-146.3.56Laplacian Regularized Low-Rank Representation and Its Applications. IEEE Transactions on Pattern9.73392.348
1272 Domain Adaptation With Preservation of Manifold Geometry for Hyperspectral Image Classification.
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 543-555.7.2
A regularized least square based discriminative projections for feature extraction. Neurocomputing,

Decision support system for fatty liver disease using GIST descriptors extracted from ultrasound images. Information Fusion, 2016, 29, 32-39.
1284 Robust Semi-Supervised Subspace Clustering via Non-Negative Low-Rank Representation. IEEETransactions on Cybernetics, 2016, 46, 1828-1838.1285 Low-Rank Preserving Projections. IEEE Transactions on Cybernetics, 2016, 46, 1900-1913.
1286 Deep Metric Learning for Visual Tracking. IEEE Transactions on Circuits and Systems for Video
Technology, 2016, 26, 2056-2068.5.657
1287 Machine Learning Models and Algorithms for Big Data Classification. Integrated Series on Information Systems, 2016, , .

Orthogonal margin discriminant projection for dimensionality reduction. Journal of
1290 290-297.

[^6]3.525


Fractional-Order Embedding Supervised Canonical Correlations Analysis with Applications to Feature Extraction and Recognition. Neural Processing Letters, 2017, 45, 279-297.

Automated grading of breast cancer histopathology using cascaded ensemble with combination of
multi-level image features. Neurocomputing, 2017, 229, 34-44.
$3.5 \quad 96$

Two-dimensional discriminant locality preserving projections (2DDLPP) and its application to feature extraction via fuzzy set. Multimedia Tools and Applications, 2017, 76, 355-371.
2.6

33
Feature Selection Based on Structured Sparsity: A Comprehensive Study. IEEE Transactions on NeuralNetworks and Learning Systems, 2017, 28, 1490-1507.7.2
MR-NTD: Manifold Regularization Nonnegative Tucker Decomposition for Tensor Data Dimension
1317 Reduction and Representation. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, ..... 7.2 ..... 81
1787-1800.
1318 Collaborative representation analysis methods for feature extraction. Neural Computing and ..... $3.2 \quad 6$ Applications, 2017, 28, 225-231.239
1320 Manifold Partition Discriminant Analysis. IEEE Transactions on Cybernetics, 2017, 47, 830-840. ..... 6.2 ..... 53
1321 Constructing the L2-Graph for Robust Subspace Learning and Subspace Clustering. IEEE Transactions6.2205on Cybernetics, 2017, 47, 1053-1066.
6.2 ..... 4
$1322 \begin{aligned} & \text { Sliced Inverse Regression With Adap } \\ & \text { on Cybernetics, 2017, 47, 759-771. }\end{aligned}$6.289Rotational Invariant Dimensionality Reduction Algorithms. IEEE Transactions on Cybernetics, 2017, 47,3733-3746.$7.0 \quad 35$
A framework for combining a motion atlas with non-motion information to learn clinically useful1324 biomarkers: Application to cardiac resynchronisation therapy response prediction. Medical Image35Analysis, 2017, 35, 669-684.Part-aware trajectories association across non-overlapping uncalibrated cameras. Neurocomputing,3.512
2017, 230, 30-39.
5.1
Attributes driven tracklet-to-tracklet person re-identification using latent prototypes space mapping. 1326 Attributes driven tracklet-to-trackiet ..... 351.417

Dimensionality reduction-based fusion approaches for imaging and non-imaging biomedical data: concepts, workflow, and use-cases. BMC Medical Imaging, 2017, 17, 2.

1329 A general subspace ensemble learning framework via totally-corrective boosting and tensor-based and local patch-based extensions for gait recognition. Pattern Recognition, 2017, 66, 280-294.

Efficient locality weighted sparse representation for graph-based learning. Knowledge-Based Systems, 2017, 121, 129-141.

Local texture patterns for traffic sign recognition using higher order spectra. Pattern Recognition Letters, 2017, 94, 202-210.

Two-dimensional discriminant analysis based on Schatten p-norm for image feature extraction.
Journal of Visual Communication and Image Representation, 2017, 45, 87-94.

Deep object recognition across domains based on adaptive extreme learning machine.
Neurocomputing, 2017, 239, 194-203.

Low rank representation with adaptive distance penalty for semi-supervised subspace classification.
Pattern Recognition, 2017, 67, 252-262.
5.1

47

Multiple-shot person re-identification via fair set-collaboration metric learning. Neurocomputing,
2017, 242, 15-27.

1336 Advanced Computing and Systems for Security. Advances in Intelligent Systems and Computing, 2017, , .
0.5

0

1337 Spectral-spatial classification of hyperspectral image based on discriminant sparsity preserving embedding. Neurocomputing, 2017, 243, 133-141.

1338 Fuzzy Linear Regression Discriminant Projection for Face Recognition. IEEE Access, 2017, 5, 4340-4349.

Odor Recognition in Multiple E-Nose Systems With Cross-Domain Discriminative Subspace Learning.
IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1679-1692.

Reducing uncertainty of dynamic heterogeneous information networks: a fusing reconstructing
approach. Data Mining and Knowledge Discovery, 2017, 31, 879-906.

Collaborative Discriminative Manifold Embedding for Hyperspectral Imagery. IEEE Geoscience and
Remote Sensing Letters, 2017, 14, 569-573.

Modified Locally Linear Embedding with Affine Transformation. The National Academy of Sciences,
India, 2017, 40, 189-196.

A new timeâ€"frequency method for identification and classification of ball bearing faults. Journal of Sound and Vibration, 2017, 397, 241-265.
2.1

102

1344 Multi-modal dimensionality reduction using effective distance. Neurocomputing, 2017, 259, 130-139.
3.5

8

Article
IF
Citations

1347 GB-CENT. , 2017, , .

1348 Multiple metric learning with query adaptive weights and multi-task re-weighting for person

1349 Recent Advances in Intelligent Image Search and Video Retrieval. Intelligent Systems Reference Library, 2017, , .
$1.0 \quad 4$

| 1350 | Saliency-Based Person Re-identification by Probability Histogram. Lecture Notes in Computer Science, <br> $2017,, 315-329$. | 1.0 |
| :--- | :--- | :--- |
| 1351 | A Two-Dimensional Framework of Multiple Kernel Subspace Learning for Recognizing Emotion in <br> Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1436-1449. | 4.0 |
| 1352 | Sparse locality preserving discriminative projections for face recognition. Neurocomputing, 2017, 260, <br> $321-330$. | 3.5 |

1.7

5

Feature selection based on graph Laplacian by using compounds with known and unknown activities.
Journal of Chemometrics, 2017, 31, e2899.

0.7

10

1354 Graph-based predictable feature analysis. Machine Learning, 2017, 106, 1359-1380. 3.4

Discriminant analysis via jointlyL2,1-norm sparse tensor preserving embedding for image

classification. Journal of Visual Communication and Image Representation, 2017, 47, 10-22.
1356 Regularized 2-D complex-log spectral analysis and subspace reliability analysis of micro-Doppler
signature for UAV detection. Pattern Recognition, 2017, 69, 225-237.
1353

$5.1 \quad 53$ ..... 53
1357 Multiple-Shot Person Re-identification via Riemannian Discriminative Learning. Lecture Notes inComputer Science, 2017, , 408-425.
1.0

0
1358 Feature Representation and Extraction for Image Search and Video Retrieval. Intelligent Systems
Reference Library, 2017, , 1-19.
1.0
$0.8 \quad 3$

An effective face recognition algorithm based on parallel local phase quantization and matching
0.8

3 degree. Journal of Intelligent and Fuzzy Systems, 2017, 32, 3377-3385.
4.43

On the comparison of random and Hebbian weights for the training of single-hidden layer
feedforward neural networks. Expert Systems With Applications, 2017, 83, 177-186.
feedforward neural networks. Expert Systems With Applications, 2017, 83, 177-186.

Enhanced regularized least square based discriminative projections for feature extraction. Signal
2.1

6 Processing, 2017, 139, 182-189.

Multi-Manifold Locality Graph Embedding Based on the Maximum Margin Criterion (MLGE/MMC) for
Face Recognition. IEEE Access, 2017, 5, 9823-9830.
2.6

8

Multiple Laplacian graph regularised lowâ€rank representation with application to image

| \# | ARticle |
| :--- | :--- | :--- |
| 1365 | Deep learning algorithms for discriminant autoencoding. Neurocomputing, 2017, 266, 325-335. |

1375 Fish Species Classification Using Graph Embedding Discriminant Analysis. , 2017, , . 19
1376 A wavelet-based classification of hyperspectral images using Schroedinger eigenmaps. International
Journal of Remote Sensing, 2017, 38, 3608-3634.
1.3 ..... 6Laplacian Eigenmaps From Sparse, Noisy Similarity Measurements. IEEE Transactions on Signal$3.2 \quad 8$Processing, 2017, 65, 1988-2003.$2.6 \quad 2$
1378 Multi-level fusion of graph based discriminant analysis for hyp
Multimedia Tools and Applications, 2017, 76, 22959-22977.2
1379 Evolutionary Cost-Sensitive Discriminative Learning With Application to Vision and Olfaction. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 198-211.

[^7]Nonlinearity-aware based dimensionality reduction and over-sampling for $A D / \mathrm{MCI}$ classification from

| 1388 | Multi-View Nonparametric Discriminant Analysis for Image Retrieval and Recognition. IEEE Signal <br> Processing Letters, 2017, 24, 1537-1541. | 2.1 |
| :--- | :--- | :--- |

1389 metapath2vec., 2017, , .
$\left.\begin{array}{lll}\text { CMFLLM: A general manifold framework unifying three classic models for dimensionality reduction. }\end{array}\right)$
1393 Semi-supervised classification via both label and side information. , 2017, , . ..... 2
$1394 \begin{aligned} & \text { Learning a Robust Local Manifold Representation for Hyperspectral Dimensionality Reduction. IEEE } \\ & \text { Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2960-2975. }\end{aligned}$ 2.3 ..... 82
1395 Comprehensive analysis and evaluation to unsupervised binary hashing method in image similarity
measurement. IET Image Processing, 2017, 11, 633-639.

$1.4 \quad 1$Discriminant Manifold Learning via Sparse Coding for Robust Feature Extraction. IEEE Access, 2017, 5,
$13978-13991$,2.610
1396 13978-13991.Supervised graph hashing for histopathology image retrieval and classification. Medical Image7.034
1397Analysis, 2017, 42, 117-128.1398 Low-rank preserving embedding. Pattern Recognition, 2017, 70, 112-125.5.163

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 1401 | A Neural Network Approach to Jointly Modeling Social Networks and Mobile Trajectories. ACM Transactions on Information Systems, 2017, 35, 1-28. | 3.8 | 111 |
| 1402 | Nonlinear Dimensionality Reduction for Data with Disconnected Neighborhood Graph. Neural Processing Letters, 2018, 47, 697. | 2.0 | 4 |
| 1403 | Collaborative Representation Based Neighborhood Preserving Projection forÂDimensionality Reduction. Communications in Computer and Information Science, 2017, , 449-460. | 0.4 | 0 |
| 1404 | Application of image recognition in civil aviation security based on tensor learning. Journal of Intelligent and Fuzzy Systems, 2017, 33, 2145-2157. | 0.8 | 4 |
| 1405 | Robust subspace learning method for hyperspectral image classification. International Journal of Wavelets, Multiresolution and Information Processing, 2017, 15, 1750060. | 0.9 | 0 |
| 1406 | Towards Multiple Kernel Principal Component Analysis for Integrative Analysis of Tumor Samples. Journal of Integrative Bioinformatics, 2017, 14, . | 1.0 | 4 |
| 1407 | A Regularized Margin Fisher Analysis Method for Face Recognition. Lecture Notes in Computer Science, 2017, , 423-433. | 1.0 | 0 |
| 1408 | Spatialâ€"spectral locality constrained elastic net hypergraph for hyperspectral image clustering. International Journal of Remote Sensing, 2017, 38, 7374-7388. | 1.3 | 2 |
| 1409 | 3D Facial expression recognition using orthogonal tensor marginal fisher analysis on geometric maps. , 2017, , . |  | 4 |
| 1410 | Anti-drift in E-nose: A subspace projection approach with drift reduction. Sensors and Actuators B: Chemical, 2017, 253, 407-417. | 4.0 | 82 |
| 1411 | Fast and Orthogonal Locality Preserving Projections for Dimensionality Reduction. IEEE Transactions on Image Processing, 2017, 26, 5019-5030. | 6.0 | 122 |
| 1412 | Unsupervised Single and Multiple Views Feature Extraction with Structured Graph. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2347-2359. | 4.0 | 51 |

$$
\begin{aligned}
& \text { Simultaneous low-rank component and graph estimation for high-dimensional graph signals: } \\
& \text { Application to brain imaging. , 2017, , . }
\end{aligned}
$$

1420 Flexible Multi-View Dimensionality Co-Reduction. IEEE Transactions on Image Processing, 2017, 26,

Evolutionary Cost-Sensitive Extreme Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 3045-3060.

```
Integration of Diverse Data Sources for Spatial PM2.5 Data Interpolation. IEEE Transactions on
Multimedia, 2017, 19, 408-417.
1422 Multimedia, 2017, 19, 408-417.Bridging Feature Selection and Extraction: Compound Feature Generation. IEEE Transactions onKnowledge and Data Engineering, 2017, 29, 757-770.
1424 Manifold regularized cross-modal embedding for zero-shot learning. Information Sciences, 2017, 378, 48-58.
1428 Discriminative sparse flexible manifold embedding with novel graph for robust visual representationand label propagation. Pattern Recognition, 2017, 61, 492-510.
\(5.1 \quad 46\)
\[
\begin{aligned}
& \text { Tied factors analysis for high-dimensional image feature extraction and recognition application. } \\
& \text { Pattern Analysis and Applications, 2017, 20, 587-600. }
\end{aligned}
\]
```

1432 Moments discriminant analysis for supervised dimensionality reduction. Neurocomputing, 2017, 237,
114-132.

```
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1437 & Dimensionality Reduction of Hyperspectral Imagery Using Sparse Graph Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1165-1181. & 2.3 & 25 \\
\hline 1438 & Adaptive maximum margin analysis for image recognition. Pattern Recognition, 2017, 61, 339-347. & 5.1 & 7 \\
\hline 1439 & Person re-identification with block sparse recovery. Image and Vision Computing, 2017, 60, 75-90. & 2.7 & 12 \\
\hline 1440 & Sparse multiple maximum scatter difference for dimensionality reduction. , 2017, 62, 91-100. & & 4 \\
\hline 1441 & Approximate kernel extreme learning machine for large scale data classification. Neurocomputing, 2017, 219, 210-220. & 3.5 & 36 \\
\hline 1442 & Regularized coplanar discriminant analysis for dimensionality reduction. Pattern Recognition, 2017, 62, 87-98. & 5.1 & 34 \\
\hline 1443 & Detection of Internet Traffic Anomalies Using Sparse Laplacian Component Analysis. , 2017, , . & & 1 \\
\hline 1444 & Dimensionality Reduction for Hyperspectral Data Based on Sampleâ€Dependent Repulsion Graph Regularized Autoâ€encoder. Chinese Journal of Electronics, 2017, 26, 1233-1238. & 0.7 & 3 \\
\hline 1445 & A Consistency-Based Multimodal Graph Embedding Method for Dimensionality Reduction. , 2017, , . & & 2 \\
\hline 1446 & Feature Extraction Based Multi-Structure Manifold Embedding for Hyperspectral Remote Sensing Image Classification. IEEE Access, 2017, 5, 25069-25080. & 2.6 & 18 \\
\hline 1447 & Supervised orthogonal discriminant projection based on double adjacency graphs for image classification. IET Image Processing, 2017, 11, 1050-1058. & 1.4 & 2 \\
\hline 1448 & Semi-supervised discriminant analysis method via weighted low-rank representation and adaptive neighbor selection. , 2017, ,. & & 0 \\
\hline
\end{tabular}
1449 Stratifying cancer patients based on multiple kernel learning and dimensionality reduction. , 2017, , . ..... 3
1450 Fusion of face and visual speech information for identity verification., 2017, , . ..... 1
1451 A Collaborative Representation Approach to Detecting Error-Related Potentials in SSVEP-BCIs. , 2017, , .6
1452 Learning discriminant grassmann kernels for image-set classification. , 2017, , . ..... 2
1453 Discriminative Covariance Oriented Representation Learning for Face Recognition with Image Sets., 2017, , .26
1454 Deeply-Learned Part-Aligned Representations for Person Re-identification. , 2017, , .536
1456 Pose-Driven Deep Convolutional Model for Person Re-identification. , 2017, , . ..... 562
1457 Soft-Margin Mixture of Regressions. , 2017, , . ..... 17
1458 Animal Biometrics. , 2017, , . ..... 3
1459 Face recognition using extended generalized Rayleigh quotient. , 2017, , . ..... 3
1460 Extended class-wise sparse representation for face recognition. , 2017, , . ..... 1
1461 Kernel marginal sample discriminant embedding for SAR automatic target recognition. , 2017, , . ..... 2
1462 Person authentication using nearest feature line embedding transformation and biased discriminant analysis. , 2017, , . ..... 3
1463 Multi-view Graph Embedding with Hub Detection for Brain Network Analysis. , 2017, , . ..... 22
1464 Person Re-identification by Deep Learning Multi-scale Representations. , 2017, , . ..... 280
1465 Multi-layer feature histogram with correlative degree for cross-camera-based person re-identification. , 2017, , .
1466 Marginal Deep Architectures. , 2017, , .0
Use of Regression Analysis to Determine the Model of Lighting Control in Smart Home with0Implementation of KNX Technology., 2017, , .
1468 A Fusion Scheme of Local Manifold Learning Methods. , 0, , . ..... 1
1469 Spectral-Spatial Response for Hyperspectral Image Classiï \(\subset\) Eation. Remote Sensing, 2017, 9, 203.1.824
1470 Dimensionality Reduction of Hyperspectral Image with Graph-Based Discriminant Analysis Considering ..... 1.8 ..... 63
Hyperspectral Dimensionality Reduction by Tensor Sparse and Low-Rank Graph-Based Discriminant Analysis. Remote Sensing, 2017, 9, 452.
1472 Hypergraph Embedding
Sensing, 2017, 9, 506 .1.828
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1473 & Local Geometric Structure Feature for Dimensionality Reduction of Hyperspectral Imagery. Remote Sensing, 2017, 9, 790. & 1.8 & 136 \\
\hline 1474 & Decoding Time-Varying Functional Connectivity Networks via Linear Graph Embedding Methods. Frontiers in Computational Neuroscience, 2017, 11, 14. & 1.2 & 6 \\
\hline 1475 & Improving semantic role labeling using high-level classification in complex networks. , 2017, , . & & 0 \\
\hline 1476 & DCT MFA subspace hyperspectral remote sensing images terrain classification. , 2017, , & & 0 \\
\hline 1477 & Real-Time Recognition of Cattle Using Fisher Locality Preserving Projection Method. , 2017, , 197-221. & & 0 \\
\hline 1478 & Hyperspectral image classification based on stacked marginal discriminative autoencoder. , 2017, . & & 3 \\
\hline 1479 & Sparse graph embedding dimension reduction for hyperspectral image with a new spectral similarity metric., 2017, , . & & 3 \\
\hline 1480 & Recursive Orthogonal Label Regression: A Framework for Semisupervised Dimension Reduction. Computing in Science and Engineering, 2017, 19, 30-43. & 1.2 & 1 \\
\hline
\end{tabular}

1481 Graph signals classification using total variation and graph energy informations. , 2017, , . 9

1482 Nature-Inspired Graph Optimization for Dimensionality Reduction. , 2017, , . 3

1483 Block-Diagonal Constrained Low-Rank and Sparse Graph for Discriminant Analysis of Image Data.
Sensors, 2017, 17, 1475.
\(2.1 \quad 2\)
\(0.8 \quad 37\)
Ambient Computing and Intelligence, 2017, 8, 45-58.

Low-Rank Representation with Graph Constraints for Robust Visual Tracking. IEICE Transactions on Information and Systems, 2017, E100.D, 1325-1338.
\(0.4 \quad 3\)

1486 Spectral-spatial target detection based on data field modeling for hyperspectral data. Chinese Journal
of Aeronautics, 2018, 31, 795-805.

Rankâ€"sparsity balanced representation for subspace clustering. Machine Vision and Applications, 2018, 29, 979-990.
â€œLike charges repulsion and opposite charges attractionâ€•law based multilinear subspace analysis for face recognition. Knowledge-Based Systems, 2018, 149, 76-87.
\(4.0 \quad 7\)

A discriminative feature mapping approach to heterogeneous domain adaptation. Pattern Recognition
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citation \\
\hline 1491 & fMKL-DR: A Fast Multiple Kernel Learning Framework with Dimensionality Reduction. Lecture Notes in Computer Science, 2018, , 153-165. & 1.0 & 1 \\
\hline 1492 & Optimizing Kernel Machines Using Deep Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5528-5540. & 7.2 & 46 \\
\hline 1493 & Generalized Multi-View Embedding for Visual Recognition and Cross-Modal Retrieval. IEEE Transactions on Cybernetics, 2018, 48, 2542-2555. & 6.2 & 81 \\
\hline 1494 & Hybrid robust iris recognition approach using iris image preâ€processing, twoâ€dimensional gabor features and multiâ€layer perceptron neural network/PSO. IET Biometrics, 2018, 7, 153-162. & 1.6 & 55 \\
\hline 1495 & Collaborative representation based local discriminant projection for feature extraction. , 2018, 76, 84-93. & & 30 \\
\hline 1496 & Flexible semi-supervised embedding based on adaptive loss regression: Application to image categorization. Information Sciences, 2018, 444, 1-19. & 4.0 & 13 \\
\hline 1497 & Subspace Clustering via Learning an Adaptive Low-Rank Graph. IEEE Transactions on Image Processing, 2018, 27, 3716-3728. & 6.0 & 80 \\
\hline 1498 & Cross-media retrieval with collective deep semantic learning. Multimedia Tools and Applications, 2018, 77, 22247-22266. & 2.6 & 19 \\
\hline
\end{tabular}
1499 Multilayer bootstrap networks. Neural Networks, 2018, 103, 29-43. ..... 3.3
1500 A Supervised Geometry-Aware Mapping Approach for Classification of Hyperspectral Images. IEEE
Geoscience and Remote Sensing Letters, 2018, 15, 582-586. ..... 1.40
1501 Organizational Data Classification Based on the Importance Concept of Complex Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3361-3373. ..... 7.2 ..... 20
1502 Disentangling the Modes of Variation in Unlabelled Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2682-2695.
9.7 ..... 9Topology Preserving Structural Matching for Automatic Partial Face Recognition. IEEE Transactionson Information Forensics and Security, 2018, 13, 1823-1837.
\(4.5 \quad 26\)An Interactive Visual Analytics Platform for Smart Intelligent Transportation Systems Management.1504 IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 487-496.4.750Modified Tensor Locality Preserving Projection for Dimensionality Reduction of Hyperspectral Images.1.4IEEE Geoscience and Remote Sensing Letters, 2018, 15, 277-281.56
1506 A review of sparsity-based clustering methods. Signal Processing, 2018, 148, 20-30. ..... 2.1 ..... 28
1507 Learning non-linear patch embeddings with neural networks for label fusion. Medical Image Analysis,7.021
1508 \$ell \(\{2, \mathrm{p}\} \$\)
\(1336-1346\).6.083
\begin{tabular}{|c|c|c|c|}
\hline 1510 & Two-phase linear reconstruction measure-based classification for face recognition. Information Sciences, 2018, 433-434, 17-36. & 4.0 & 29 \\
\hline 1511 & Person re-identification by kernel null space marginal Fisher analysis. Pattern Recognition Letters, 2018, 107, 66-74. & 2.6 & 8 \\
\hline 1512 & A Regularized Locality Projection-Based Sparsity Discriminant Analysis for Face Recognition. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1856006. & 0.7 & 4 \\
\hline 1513 & Elastic preserving projections based on L1-norm maximization. Multimedia Tools and Applications, 2018, 77, 21671-21691. & 2.6 & 3 \\
\hline 1514 & Community aware random walk for network embedding. Knowledge-Based Systems, 2018, 148, 47-54. & 4.0 & 67 \\
\hline 1515 & Robust Covariance Representations With Large Margin Dimensionality Reduction for Visual Classification. IEEE Access, 2018, 6, 5531-5537. & 2.6 & 1 \\
\hline 1516 & Rank-Constrained Spectral Clustering With Flexible Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6073-6082. & 7.2 & 195 \\
\hline
\end{tabular}
1517 VERSE., 2018,,. ..... 163
1518 Network representation with clustering tree features. Journal of Intelligent Information Systems,
 2018, 51, 341-365.

\(2.8 \quad 2\)

Discriminant Analysis-Based Dimension Reduction for Hyperspectral Image Classification: A Survey of
1519 the Most Recent Advances and an Experimental Comparison of Different Techniques. IEEE Geoscience
4.9

62 and Remote Sensing Magazine, 2018, 6, 15-34.
\[
\begin{aligned}
& 1520 \text { Spatial and class structure regularized sparse representation graph for semi-supervised hyperspectral } \\
& \text { image classification. Pattern Recognition, 2018, 81, 81-94. }
\end{aligned}
\]
\(5.1 \quad 57\)

Nuclear norm based two-dimensional sparse principal component analysis. International Journal of
0.9

7
Wavelets, Multiresolution and Information Processing, 2018, 16, 1840002.
1.2

12
1522 Multiagent-Based Coordination Consensus Algorithm for State-of-Charge Balance of Energy Storage
Unit. Computing in Science and Engineering, 2018, 20, 64-77.

Binarized features with discriminant manifold filters for robust single-sample face recognition.
Signal Processing: Image Communication, 2018, 65, 1-10.
1.8

3

Robust Latent Regression with discriminative regularization by leveraging auxiliary knowledge.
3.3

5
1524 Neural Networks, 2018, 101, 79-93.

1525 Improved Graph Embedding for Robust Recognition with outliers. Scientific Reports, 2018, 8, 4231.
1.6

1

\footnotetext{
1526
Incremental Graph Embedding Based on Spatial-Spectral Neighbors for Hyperspectral Image
Classification. IEEE Access, 2018, 6, 10996-11006.
}
2.6
\begin{tabular}{|c|c|c|c|}
\hline 1532 & A Combined Rule-Based \&amp; Machine Learning Audio-Visual Emotion Recognition Approach. IEEE Transactions on Affective Computing, 2018, 9, 3-13. & 5.7 & 59 \\
\hline 1533 & Robust DLPP With Nongreedy \$ell_1\$ -Norm Minimization and Maximization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 738-743. & 7.2 & 25 \\
\hline 1534 & Graph Regularized Restricted Boltzmann Machine. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2651-2659. & 7.2 & 50 \\
\hline 1535 & A Perception-Driven Approach to Supervised Dimensionality Reduction for Visualization. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 1828-1840. & 2.9 & 42 \\
\hline 1536 & Dimensionality Reduction on SPD Manifolds: The Emergence of Geometry-Aware Methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 48-62. & 9.7 & 133 \\
\hline
\end{tabular}

Fluid Dynamic Models for Bhattacharyya-Based Discriminant Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 92-105.

Regularized Label Relaxation Linear Regression. IEEE Transactions on Neural Networks and Learning

\footnotetext{
1544
```

Local descriptor margin projections (LDMP) for face recognition. International Journal of Machine Learning and Cybernetics, 2018, 9, 1387-1398.

```
}
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1545 & A random walk based multi-kernel graph learning framework. Multimedia Tools and Applications, 2018, 77, 9943-9957. & 2.6 & 0 \\
\hline 1546 & Incomplete Multisource Transfer Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 310-323. & 7.2 & 75 \\
\hline 1547 & Generalized Semi-supervised and Structured Subspace Learning for Cross-Modal Retrieval. IEEE Transactions on Multimedia, 2018, 20, 128-141. & 5.2 & 107 \\
\hline 1548 & Robust Latent Subspace Learning for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2502-2515. & 7.2 & 74 \\
\hline 1549 & Ensemble Subspace Segmentation Under Blockwise Constraints. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1526-1539. & 5.6 & 7 \\
\hline 1550 & A multilinear unsupervised discriminant projections method for feature extraction. Multimedia Tools and Applications, 2018, 77, 3857-3870. & 2.6 & 3 \\
\hline 1551 & Classify social image by integrating multi-modal content. Multimedia Tools and Applications, 2018, 77, 7469-7485. & 2.6 & 7 \\
\hline 1552 & Coupled localâ€"global adaptation for multi-source transfer learning. Neurocomputing, 2018, 275, 247-254. & 3.5 & 36 \\
\hline 1553 & Manifold sparsity preserving projection for face and palmprint recognition. Multimedia Tools and Applications, 2018, 77, 12233-12258. & 2.6 & 8 \\
\hline 1554 & Semi-supervised graph-based retargeted least squares regression. Signal Processing, 2018, 142, 188-193. & 2.1 & 4 \\
\hline
\end{tabular}

Multi-perspective User2Vec: Exploiting re-pin activity for user representation learning in content curation social network. Signal Processing, 2018, 142, 450-456.
2.1

11
\(\square\)
1556 Matrix exponential based discriminant locality preserving projections for feature extraction. Neural
Networks, 2018, 97, 127-136.
3.3

25

Representation Space-Based Discriminative Graph Construction for Semisupervised Hyperspectral Image Classification. IEEE Signal Processing Letters, 2018, 25, 35-39.
2.1

3

\footnotetext{
1558 An iterative paradigm of joint feature extraction and labeling for semi-supervised discriminant analysis. Neurocomputing, 2018, 273, 466-480.
}

1559 Online multilinear principal component analysis. Neurocomputing, 2018, 275, 888-896.
1560

Discriminative low-rank graph preserving dictionary learning with Schatten-p quasi-norm regularization for image recognition. Neurocomputing, 2018, 275, 697-710.

Automated technique for coronary artery disease characterization and classification using

\footnotetext{
1562
Semi-supervised local multi-manifold Isomap by linear embedding for feature extraction. Pattern
Recognition, 2018, 76, 662-678.
}
\begin{tabular}{|c|c|c|c|}
\hline 1564 & Sparse L1-norm-based linear discriminant analysis. Multimedia Tools and Applications, 2018, 77,
16155-16175. & 2.6 & 5 \\
\hline 1565 & Spectral regression based marginal Fisher analysis dimensionality reduction algorithm. Neurocomputing, 2018, 277, 101-107. & 3.5 & 7 \\
\hline 1566 & Multiview max-margin subspace learning for cross-view gait recognition. Pattern Recognition Letters, 2018, 107, 75-82. & 2.6 & 12 \\
\hline 1567 & An integrated optimisation algorithm for feature extraction, dictionary learning and classification. Neurocomputing, 2018, 275, 2740-2751. & 3.5 & 4 \\
\hline 1568 & Improved hypergraph regularized Nonnegative Matrix Factorization with sparse representation. Pattern Recognition Letters, 2018, 102, 8-14. & 2.6 & 16 \\
\hline 1569 & Locality-regularized linear regression discriminant analysis for feature extraction. Information Sciences, 2018, 429, 164-176. & 4.0 & 14 \\
\hline 1570 & Speech Emotion Recognition Using Deep Convolutional Neural Network and Discriminant Temporal Pyramid Matching. IEEE Transactions on Multimedia, 2018, 20, 1576-1590. & 5.2 & 283 \\
\hline 1571 & Exploring joint encoding of multi-direction local binary patterns for image classification. Multimedia Tools and Applications, 2018, 77, 18957-18981. & 2.6 & 3 \\
\hline 1572 & Joint self-representation and subspace learning for unsupervised feature selection. World Wide Web, 2018, 21, 1745-1758. & 2.7 & 7 \\
\hline
\end{tabular}

1573 Enhanced independent spectral histogram representations in face recognition. Multimedia Tools and Applications, 2018, 77, 14259-14284.
\(2.6 \quad 2\)
\(\qquad\)
Stable and orthogonal local discriminant embedding using trace ratio criterion for dimensionality
1574 Stable and orthogonal local discriminant embedding using trace ratio
2.6

20

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.
7.2

45

Robust \$\$1_\{2,1\}\$\$12,1 Norm-Based Sparse Dictionary Coding Regularization of Homogenous and
1582 NSCT-based Adaptive Illumination Processing for Face Recognition. , 2018, , . ..... 1
1583 Exploring Highâ€Eimensional Structure via Axisâ€Aligned Decomposition of Linear Projections. Computer
1593 Joint Node-Edge Network Embedding for Link Prediction. Lecture Notes in Computer Science, 2018, , ..... 1.0 ..... 15
1594 Spatial-Spectral Graph-Based Nonlinear Embedding Dimensionality Reduction for Hyperspectral Image ..... 1
Classificaiton., 2018, , . ..... 1
1595 A Novel 3D Facial Expression Recognition Approach Based on Tensor Distance. , 2018, , .2
1597 Hyperspectral Remote Sensing Images Terrain Classification Based on PCA-KMFA. , 2018, , . ..... 01598 Hybrid Sparse Subspace Clustering for Visual Tracking. , 2018, , .0
1599
A Preliminary Study on Generalized Manufacturing System of Industrial Cluster Based on Knowledge
Collaboration., 2018, , .11600 Nonlinear Feature Extraction Based on Kernel Adaptive Marginal Fisher Analysis for Target HRRP
1601 Weighted Spectral Embedding of Graphs. , 2018, , . ..... 2
1602 BGS: A Large-Scale Graph Visualization Tool. IS\&T International Symposium on Electronic Imaging, 2018, 30, 378-1-378-9.
1603 Target recognition in SAR image based on robust locality discriminant projection. IET Radar, Sonar and ..... 0.9 ..... 10
Navigation, 2018, 12, 1285-1293.Dimensionality Reduction via Multiple Locality-Constrained Graph Optimization. IEEE Access, 2018, 6,54479-54494.
1605 An Effective Framework for Driver Fatigue Recognition Based on Intelligent Facial Expressions ..... 2.649A Two-Stream Unified Interpretation Network for Heterogeneous Remote Sensing ImagesClassification., 2018, , .1
Spectralâ€"Spatial Feature Extraction for HSI Classification Based on Supervised Hypergraph and Sample
1607 Expanded CNN. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4128-4140.
1608 Shortest Path Distance Approximation Using Deep Learning Techniques. , 2018, , . ..... 15
1609 Learning Cross-Modal Aligned Representation With Graph Embedding. IEEE Access, 2018, 6, 77321-77333. ..... 2.6 ..... 2
1610 A Novel Regularized Nonnegative Matrix Factorization for Spectral-Spatial Dimension Reduction of Hyperspectral Imagery. IEEE Access, 2018, 6, 77953-77964. 5
1611 Analysis of Images, Social Networks and Texts. Lecture Notes in Computer Science, 2018, , . ..... 1.0 ..... 0
1612 Analysis of Graph Construction Methods in Supervised Data Classification. , 2018, , . ..... 6
1613 Sparse and Smooth Feature Extraction for Hyperspectral Imagery., 2018, , . ..... 1Two-Dimensional Local Sample Directional Discriminant Projection for SAR Automatic TargetRecognition. , 2018, , .0Sparsity and Geometry Preserving Graph Embedding for Dimensionality Reduction. IEEE Access, 2018, 6,75748-75766.
2.624
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1618 & Flexible and Discriminative Non-linear Embedding with Feature Selection for Image Classification. , 2018, , . & & 2 \\
\hline 1619 & Adverse Drug Reaction Predictions Using Stacking Deep Heterogeneous Information Network Embedding Approach. Molecules, 2018, 23, 3193. & 1.7 & 20 \\
\hline 1620 & Unsupervised multi-view feature extraction with dynamic graph learning. Journal of Visual Communication and Image Representation, 2018, 56, 256-264. & 1.7 & 30 \\
\hline 1621 & Automated detection and classification of liver fibrosis stages using contourlet transform and nonlinear features. Computer Methods and Programs in Biomedicine, 2018, 166, 91-98. & 2.6 & 19 \\
\hline 1622 & Visualized mixed-type data analysis via dimensionality reduction. Intelligent Data Analysis, 2018, 22, 981-1007. & 0.4 & 1 \\
\hline 1623 & Unsupervised Feature Extraction for Hyperspectral Imagery Using Collaboration-Competition Graph. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1491-1503. & 7.3 & 22 \\
\hline 1624 & The Advance of Support Tensor Machine. , 2018, , . & & 2 \\
\hline 1625 & Robust Semisupervised Nonnegative Local Coordinate Factorization for Data Representation. Complexity, 2018, 2018, 1-16. & 0.9 & 1 \\
\hline 1626 & Discriminative graph regularized broad learning system for image recognition. Science China Information Sciences, 2018, 61, 1. & 2.7 & 88 \\
\hline 1627 & 12,1-norm minimization based negative label relaxation linear regression for feature selection. Pattern Recognition Letters, 2018, 116, 170-178. & 2.6 & 15 \\
\hline
\end{tabular}

1628 Graph-Laplacian Correlated Low-Rank Representation for Subspace Clustering. , 2018, , . 1
Molecular enhanced sampling with autoencoders: Onâ€theâ€fly collective variable discovery and
accelerated free energy landscape exploration. Journal of Computational Chemistry, 2018, 39,
\(2079-2102\).

\section*{Multiple Meta Paths Combined for Vertex Embedding in Heterogeneous Networks. Communications in Computer and Information Science, 2018, , 160-177.}
\(0.4 \quad 0\)
1631 Fast and Flexible Large Graph Embedding Based on Anchors. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1465-1475.

Ensemble Learning-Based Person Re-identification with Multiple Feature Representations. Complexity,
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1636 & Radio Fingerprint Extraction Based on Marginal Fisher Deep Autoencoders. Wireless Personal Communications, 2018, 103, 2729-2742. & 1.8 & 3 \\
\hline 1637 & Land Cover Classification Using Integrated Spectral, Temporal, and Spatial Features Derived from Remotely Sensed Images. Remote Sensing, 2018, 10, 383. & 1.8 & 25 \\
\hline 1638 & Feature Dimensionality Reduction with Graph Embedding and Generalized Hamming Distance. , 2018, , . & & 0 \\
\hline 1639 & Learning Multiple Kernel Metrics for Iterative Person Re-Identification. ACM Transactions on Multimedia Computing, Communications and Applications, 2018, 14, 1-24. & 3.0 & 2 \\
\hline 1640 & Dimensionality Reduction of Hyperspectral Image Using Spatial Regularized Local Graph Discriminant Embedding. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3262-3271. & 2.3 & 23 \\
\hline 1641 & Classification and Anomaly Detection in Traffic Patterns of New York City Taxis: A Case Study in Compound Analytics., 2018, , . & & 1 \\
\hline 1642 & Maximum Correntropy Criterion-Based Low-Rank Preserving Projection for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1912-1916. & 1.4 & 0 \\
\hline 1643 & Defending against Social Network Sybils with Interaction Graph Embedding. , 2018, , & & 2 \\
\hline
\end{tabular}
1644 Discriminative Feature Selection via Joint Trace Ratio Criterion and 12,1-norm Regularization. , 2018, , . ..... 0
1645 A Novel Supervised Heterogenuos Feature Transfer Learning Scheme for ADL Recognition. , 2018, , . ..... 1
Learning Distribution-Matched Landmarks for Unsupervised Domain Adaptation. Lecture Notes in Computer Science, 2018, , 491-508.
Collective variable discovery and enhanced sampling using autoencoders: Innovations in networkarchitecture and error function design. Journal of Chemical Physics, 2018, 149, 072312.Learning Affine Hull Representations for Multi-Shot Person Re-Identification. IEEE Transactions on5.64Circuits and Systems for Video Technology, 2018, 28, 2500-2512.
4.0
9
Sparse feature space representation: A unified framework for semi-supervised and domain adaptation
1649 learning. Knowledge-Based Systems, 2018, 156, 43-61.Heteroscedastic Maxâ€"Min Distance Analysis for Dimensionality Reduction. IEEE Transactions on ImageProcessing, 2018, 27, 4052-4065.
6.0 ..... 6
Local Adaptive Projection Framework for Feature Selection of Labeled and Unlabeled Data. IEEE
Transactions on Neural Networks and Learning Systems, 2018, 29, 6362-6373. ..... 7.2 ..... 42
Incremental generalized multiple maximum scatter difference with applications to feature extraction. ..... 1.7
1653 An Improved EMD-
\(2018,2018,1-24\).0.93

Discriminant sparse and collaborative preserving embedding for bearing fault diagnosis.
Neurocomputing, 2018, 313, 259-270.

Feature genes selection using Fisher transformation method. Journal of Intelligent and Fuzzy Systems,
2018, 34, 4291-4300.

Tensor-Based Low-Rank Graph With Multimanifold Regularization for Dimensionality Reduction of
1657 Tensor-Based Low-Rank Graph With Multimanifold Regularization for Dimensionality Reduction of
Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4731-4746.
2.7

35

On connections between RÃ®nyi entropy Principal Component Analysis, kernel learning and graph embedding. Pattern Recognition Letters, 2018, 112, 125-130.
1659 Linear regression based projections for dimensionality reduction. Information Sciences, 2018, 467,4.012
1660 Person Re-identification in Identity Regression Space. International Journal of Computer Vision, 2018, 126, 1288-1310.
10.9 ..... 26
1661 Projection learning with local and global consistency constraints for scene classification. ISPRS 4.9 ..... 9
Marginal Stacked Autoencoder With Adaptively-Spatial Regularization for Hyperspectral Image 1662 Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, ..... 2.3 ..... 23
11, 3297-3311.
11, 3297-3311.
1663 Tensor Low-Rank Discriminant Embedding for Hyperspectral Image Dimensionality Reduction. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7183-7194. ..... 25
1664 Computer-aided diagnosis of glaucoma using fundus images: A review. Computer Methods and Programs in Biomedicine, 2018, 165, 1-12. ..... 2.6 ..... 106
1665 Dimensionality reduction by LPPâ€Ł2 21. IET Computer Vision, 2018, 12, 659-665. 1.3 ..... 12Low-Rank Sparse Preserving Projections for Dimensionality Reduction. IEEE Transactions on ImageProcessing, 2018, 27, 5261-5274.6.048
16661.0A Similarity Regression Fusion Model for Integrating Multi-Omics Data to Identify Cancer Subtypes.Genes, 2018, 9, 314.A Hierarchical Fully Convolutional Network Integrated with Sparse and Low-Rank Subspace1.8Representations for PolSAR Imagery Classification. Remote Sensing, 2018, 10, 342.
1669 Hierarchical Discriminant Analysis. Sensors, 2018, 18, 279. ..... 2.1 ..... 6
1672 Dynamic graph embedding for fault detection. Computers and Chemical Engineering, 2018, 117, 359-371. ..... 2.0

Research of Adaptive Neighborhood Incremental Principal Component Analysis and Locality Preserving
1676 Projection Manifold Learning Algorithm. Journal of Shanghai Jiaotong University (Science), 2018, 23,
\(0.5 \quad 3\)
269-275.

1677 DeepMatching: A Structural Seed Identification Framework for Social Network Alignment. , 2018, , .1680 A global manifold margin learning method for data feature extraction and classification. Engineering1680 Applications of Artificial Intelligence, 2018, 75, 94-101.\(4.3 \quad 13\)
1681 General Component Analysis (GCA): A new approach to identify Chinese corporate bond marketstructures. PLoS ONE, 2018, 13, e0199500.
1682 Low-rank and sparse embedding for dimensionality reduction. Neural Networks, 2018, 108, 202-216. ..... 3.3 ..... 22
Multimodal speech recognition: increasing accuracy using high speed video data. Journal onSemi-supervised sparse feature selection via graph Laplacian based scatter matrix for regressionproblems. Information Sciences, 2018, 468, 14-28.

An improved locality preserving projection with â,," 1 -norm minimization for dimensionality reduction. Neurocomputing, 2018, 316, 322-331.
3.5

73
Fault diagnosis of rolling bearing based on feature reduction with global-local margin Fisher
analysis. Neurocomputing, 2018, 315, 447-464.

1687 Data-driven graph construction and graph learning: A review. Neurocomputing, 2018, 312, 336-351.
3.5

93
```

A Graph-Based Algorithm for Supervised Image Classification. Lecture Notes in Computer Science, 2018, , 184-193.

```
1.0

0

Human Behaviour-Based Automatic Depression Analysis Using Hand-Crafted Statistics and Deep Learned Spectral Features. , 2018, , .
        Patch Tensor-Based Sparse and Low-Rank Graph for Hyperspectral Images Dimensionality Reduction.
        IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2513-2527.
1692
1693

Face recognition algorithm using extended vector quantization histogram features. PLoS ONE, 2018,
1.1 13, e0190378.

Reconstructible Nonlinear Dimensionality Reduction via Joint Dictionary Learning. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 175-189.
```

1694 Discriminant maximum margin projections for face recognition. Multimedia Tools and Applications,
2019, 78, 23847-23865.

```\(1696 \begin{aligned} & \text { Heterogeneous Information Network Embedding for Recommendation. IEEE Transactions on } \\ & \text { Knowledge and Data Engineering 2019 31, }\end{aligned}\)Knowledge and Data Engineering, 2019, 31, 357-370.
1698 Multiview Clustering Based on Non-Negative Matrix Factorization and Pairwise Measurements. IEEE Transactions on Cybernetics, 2019, 49, 3333-3346.
6.2 ..... 69
1699 Semisupervised Learning With Parameter-Free Similarity of Label and Side Information. IEEETransactions on Neural Networks and Learning Systems, 2019, 30, 405-414.
\(\begin{array}{ll}1700 & \text { Flexible Affinity Matrix Learning for Unsupervised and Semisupervised Classification. IEEE } \\ \text { Transactions on Neural Networks and Learning Systems, 2019, 30, 1133-1149. }\end{array}\) Transactions on Neural Networks and Learning Systems, 2019, 30, 1133-1149.7.231

5.1

11Exploiting multiplex data relationships in Support Vector Machines. Pattern Recognition, 2019, 85, 70-77.
7.2

29
1702 Robust Dimension Reduction for Clustering With Local AdapRobust subspace learning-based low-rank representation for manifold clustering. Neural Computing
3.29
and Applications, 2019, 31, 7921-7933.

Norm Discriminant Eigenspace Transform for Pattern Classification. IEEE Transactions on Cybernetics,

A Mixed-Norm Laplacian Regularized Low-Rank Representation Method for Tumor Samples Clustering.
IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 172-182.

An Out-of-Sample Extension to Manifold Learning via Meta-Modeling. IEEE Transactions on Image Processing, 2019, 28, 5227-5237.

1710 Research commentary on recommendations with side information: A survey and research directions.
1710 Electronic Commerce Research and Applications, 2019, 37, 100879.

1712 Underdetermined Blind Source Separation With Multi-Subspace for Nonlinear Representation. IEEE
1714 Link communities detection: an embedding method on the line hypergraph. Neurocomputing, 2019, 367,

From big flow cytometry datasets to smart diagnostic strategies: The EuroFlow approach. Journal of Immunological Methods, 2019, 475, 112631.
1716 Sparse graphs with smoothness constraints: Application to dimensionality reduction and semi-supervised classification. Pattern Recognition, 2019, 95, 285-295.
```

1718 Building Recognition Using Gist Feature Based on Locality Sensitive Histograms of Oriented Gradients.
1718 Pattern Recognition and Image Analysis, 2019, 29, 258-267.

```
1719 Learning deep neural networks for node classification. Expert Systems With Applications, 2019, 137,
1723 Discriminative low-rank preserving projection for dimensionality reduction. Applied Soft Computing 4.1 ..... 71
Journal, 2019, 85, 105768.

Pseudospectra localizations for generalized tensor eigenvalues to seek more positive definite tensors. Computational and Applied Mathematics, 2019, 38, 1.

Classification of Hyperspectral Images Based on Supervised Sparse Embedded Preserving Projection.

1728 Gaussian beam velocity tomography based on azimuth-opening angle domain common imaging gathers. Journal of Geophysics and Engineering, 2019, 16, 992-1008.

Laplacian Eigenmaps Dimensionality Reduction Based on Clustering-Adjusted Similarity. Algorithms,

\title{
Learning Low-Dimensional Temporal Representations with Latent Alignments. IEEE Transactions on \\ 9.7 \\ Pattern Analysis and Machine Intelligence, 2019, 42, 1-1.
}

2

1732 Investigating Extensions to Random Walk Based Graph Embedding., 2019, , .
A Review on Dimensionality Reduction for Multi-label Classification. IEEE Transactions on Knowledgeand Data Engineering, 2019, , 1-1.\(4.0 \quad 17\)
A novel unsupervised Clobality-Locality Preserving Projections in transfer learning. Image and Vision Computing, 2019, 90, 103802. ..... 2.7 ..... 7
1737 Spatial-spectral local discriminant projection for dimensionality reduction of hyperspectral image.ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 77-93.
4.9 ..... 17
Learning to propagate labels on graphs: An iterative multitask regression framework for4.9124Sensing, 2019, 158, 35-49.
1739 Image Classification Model Using Visual Bag of Semantic Words. Pattern Recognition and Image
Analysis, 2019, 29, 404-414.0.63
\(2.3 \quad 4\)Robust discriminant analysis with adaptive locality preserving. International Journal of Machine2.34Learning and Cybernetics, 2019, 10, 2791-2804.
\(3.3 \quad 66\)Networks, 2019, 112, 1-14.

Spatial-spectral neighbour graph for dimensionality reduction of hyperspectral image classification. International Journal of Remote Sensing, 2019, 40, 4361-4383.

Sparse modified marginal fisher analysis for facial expression recognition. Applied Intelligence, 2019, 49, 2659-2671.
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1746 & Multi-modal AD classification via self-paced latent correlation analysis. Neurocomputing, 2019, 355, 143-154. & 3.5 & 26 \\
\hline 1747 & web-rMKL: a web server for dimensionality reduction and sample clustering of multi-view data based on unsupervised multiple kernel learning. Nucleic Acids Research, 2019, 47, W605-W609. & 6.5 & 4 \\
\hline 1748 & RIMFRA: Rotation-invariant multi-spectral facial recognition approach by using orthogonal polynomials. Multimedia Tools and Applications, 2019, 78, 26537-26567. & 2.6 & 3 \\
\hline 1749 & Superpixel-based spatial-spectral dimension reduction for hyperspectral imagery classification. Neurocomputing, 2019, 360, 138-150. & 3.5 & 40 \\
\hline 1750 & Adaptive sparse graph learning based dimensionality reduction for classification. Applied Soft Computing Journal, 2019, 82, 105459. & 4.1 & 8 \\
\hline 1751 & Kernel Analysis based on SVDD for Face Recognition from Image Set. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5499-5511. & 0.8 & 2 \\
\hline 1752 & A dimensionality reduction method of continuous dependent variables based supervised Laplacian eigenmaps. Journal of Statistical Computation and Simulation, 2019, 89, 2073-2083. & 0.7 & 0 \\
\hline 1753 & A cyber network attack detection based on GM Median Nearest Neighbors LDA. Computers and Security, 2019, 86, 63-74. & 4.0 & 10 \\
\hline 1754 & Quantum Algorithm for Spectral Regression for Regularized Subspace Learning. IEEE Access, 2019, 7, 4825-4832. & 2.6 & 5 \\
\hline 1755 & Robust manifold broad learning system for large-scale noisy chaotic time series prediction: A perturbation perspective. Neural Networks, 2019, 117, 179-190. & 3.3 & 31 \\
\hline
\end{tabular}

1756 Robust Unsupervised Multi-View Feature Learning With Dynamic Graph. IEEE Access, 2019, 7, 72197-72209. 2.62
Efficient Estimation of Ontology Entities Distributed Representations. Communications in Computer
and Information Science, 2019, 51-62.

Manifold label prediction for low dimensional palmprint recognition. Applied Soft Computing
Journal, 2019, 82, 105579.
-
1759. Supervised discriminative manifold learning with subsidiary-view information for near infrared
spectroscopic classification of crop seeds. Pattern Recognition Letters, 2019, 125, 381-388.

Joint graph based embedding and feature weighting for image classification. Pattern Recognition, 2019, 93, 458-469.
5.1

31

1761 An Enhanced Trace Ratio Linear Discriminant Analysis for Fault Diagnosis: An Illustrated Example
Using HDD Data. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4629-4639.
2.4

10

1762 Hyperspectral imagery classification with deep metric learning. Neurocomputing, 2019, 356, 217-227.
3.5

29

\footnotetext{
1763 Dimensionality reduction by collaborative preserving Fisher discriminant analysis. Neurocomputing,
2019, 356, 228-243
}
3.5

24
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1764 & Discriminative Sparsity Graph Embedding for Unconstrained Face Recognition. Electronics (Switzerland), 2019, 8, 503. & 1.8 & 4 \\
\hline 1765 & Feature Selective Projection with Low-Rank Embedding and Dual Laplacian Regularization. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1. & 4.0 & 58 \\
\hline 1766 & Local binary pattern-based discriminant graph construction for dimensionality reduction with application to face recognition. Multimedia Tools and Applications, 2019, 78, 22445-22462. & 2.6 & 2 \\
\hline 1767 & Graph-Kernel Based Structured Feature Selection for Brain Disease Classification Using Functional Connectivity Networks. IEEE Access, 2019, 7, 35001-35011. & 2.6 & 21 \\
\hline 1768 & Flexible non-greedy discriminant subspace feature extraction. Neural Networks, 2019, 116, 166-177. & 3.3 & 5 \\
\hline 1769 & Noise reduction and feature extraction based on low-rank representation and pairwise constraint preserving for hyperspectral images. International Journal of Remote Sensing, 2019, 40, 8236-8269. & 1.3 & 4 \\
\hline 1770 & Multiview discriminative marginal metric learning for makeup face verification. Neurocomputing, 2019, 333, 339-350. & 3.5 & 12 \\
\hline 1771 & Dictionaryâ finduced least squares framework for multiâ€view dimensionality reduction with multiâ€manifold embeddings. IET Computer Vision, 2019, 13, 97-108. & 1.3 & 5 \\
\hline 1772 & Marginal Deep Architecture: Stacking Feature Learning Modules to Build Deep Learning Models. IEEE Access, 2019, 7, 30220-30233. & 2.6 & 15 \\
\hline 1773 & Joint graph optimization and projection learning for dimensionality reduction. Pattern Recognition, 2019, 92, 258-273. & 5.1 & 33 \\
\hline 1774 & Flexible unsupervised feature extraction for image classification. Neural Networks, 2019, 115, 65-71. & 3.3 & 38 \\
\hline 1775 & Stacked Denoising Extreme Learning Machine Autoencoder Based on Graph Embedding for Feature Representation. IEEE Access, 2019, 7, 13433-13444. & 2.6 & 18 \\
\hline 1776 & Detecting different topologies immanent in scale-free networks with the same degree distribution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6701-6706. & 3.3 & 35 \\
\hline 1777 & Weighted Neighborhood Preserving Ensemble Embedding. Electronics (Switzerland), 2019, 8, 219. & 1.8 & 8 \\
\hline 1778 & A Video Representation Method Based on Multi-View Structure Preserving Embedding for Action Retrieval. IEEE Access, 2019, 7, 50400-50411. & 2.6 & 4 \\
\hline 1779 & The implication of spatial temporal changes on facial micro-expression analysis. Multimedia Tools and Applications, 2019, 78, 21613-21628. & 2.6 & 6 \\
\hline 1780 & Building Recognition Based on Sparse Representation of Spatial Texture and Color Features. IEEE Access, 2019, 7, 37220-37227. & 2.6 & 5 \\
\hline 1781 & Linear Discriminant Analysis Based on Kernel-Based Possibilistic C-Means for Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1259-1263. & 1.4 & 13 \\
\hline
\end{tabular}
\begin{tabular}{ll} 
ARTICLE \\
1782 & Weighted samples based semi-supervised classification. Applied Soft Computing Journal, 2019, 79, 46-58.
\end{tabular}
1794 Semi-Supervised Learning Based on Local Adaptive Kernels. , 2019, , . ..... 0
1795 Manifold Smoothed Class-specific Discriminant Collaborative Representation for Face Recognition. , ..... 1
2019, , .

Human activity recognition based on interaction modelling. International Journal of Data Mining, Modelling and Management, 2019, 11, 167.
0.1 ..... 0
1797 Intelligent Recognition Method of Fuzzy Features of Surveillance Video Image Based on Big Data. , 2019,1

Novel multispectral face descriptor using orthogonal walsh codes. IET Image Processing, 2019, 13, 1.4 6

\section*{1802 Multiple Kernel Feature Line Embedding for Hyperspectral Image Classification. Remote Sensing, 2019, 11, 2892.}

Unsupervised Dimension Reduction Using Supervised Orthogonal Discriminant Projection for
Clustering. , 2019, , .
```

1811 Anti-Drift in Electronic Nose via Dimensionality Reduction: A Discriminative Subspace Projection
Approach. IEEE Access, 2019, 7, 170087-170095.

```

Nonpeaked Discriminant Analysis for Data Representation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3818-3832.

An Adaptive Affinity Matrix Optimization for Locality Preserving Projection via Heuristic Methods for
1814 Hyperspectral Image Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote
1813 Low-rank graph optimization for multi-view dimensionality reduction. PLoS ONE, 2019, 14, e0225987.


STDeepGraph: Spatial-Temporal Deep Learning on Communication Graphs for Long-Term Network
\(1819 \begin{aligned} & \text { Dimensionality Reduction } \\ & \text { Regularization. , 2019, ,. }\end{aligned}\) ..... 1 ..... 1
1820 Connecting Subspace Learning and Extreme Learning Machine in Speech Emotion Recognition. IEEE Transactions on Multimedia, 2019, 21, 795-808.When collaborative representation meets subspace projection: A novel supervised framework of1821 graph construction augmented by anti-collaborative representation. Neurocomputing, 2019, 328,\(3.5 \quad 7\)
157-170.
Nonnegative Constrained Graph Based Canonical Correlation Analysis for Multi-view Feature
1823 Diffusion network embedding. Pattern Recognition, 2019, 88, 518-531.5.1
1824 Learning a discriminant graph-based embedding with feature selection for image categorization.Neural Networks, 2019, 111, 35-46.\(3.3 \quad 39\)
1825 Particle swarm optimization for network-based data classification. Neural Networks, 2019, 110, 243-255. ..... 3.3 ..... 36
1826 Graph-dual Laplacian principal component analysis. Journal of Ambient Intelligence and HumanizedComputing, 2019, 10, 3249-3262.
1827 Manifold embedding for zero-shot recognition. Cognitive Systems Research, 2019, 55, 34-43. ..... 1.9

3
1828 Learning a Joint Affinity Graph for Multiview Subspace Clustering. IEEE Transactions on Multimedia,2019, 21, 1724-1736.5.2192
\(1829 \begin{aligned} & \text { Multi-view Cl } \\ & \text { 2019, , 9-50. }\end{aligned}\)0.21
1830 Low-Rank Projection Learning via Graph Embedding. Neurocomputing, 2019, 348, 97-106. ..... 3.5 ..... 7
1831 A survey on Laplacian eigenmaps based manifold learning methods. Neurocomputing, 2019, 335, 336-351. ..... 3.5 ..... 39
Unsupervised Feature Extraction in Hyperspectral Images Based on Wasserstein Generative Adversarial
Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2669-2688.2.788
Toward Efficient Image Representation: Sparse Concept Discriminant Matrix Factorization. IEEE
Transactions on Circuits and Systems for Video Technology, 2019, 29, 3184-3198. 5.6 ..... 11
1833DeepDirect: Learning Directions of Social Ties with Edge-Based Network Embedding. IEEE Transactionson Knowledge and Data Engineering, 2019, 31, 2277-2291.
A multilinear collaborative representation preserving projections method for feature extraction.
Journal of Computational Science, 2019, 30, 48-54.1.51
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1836 & Re-KISSME: A robust resampling scheme for distance metric learning in the presence of label noise. Neurocomputing, 2019, 330, 138-150. & 3.5 & 4 \\
\hline 1837 & Interactive dimensionality reduction using similarity projections. Knowledge-Based Systems, 2019, 165, 77-91. & 4.0 & 10 \\
\hline 1838 & Simultaneously Learning Neighborship and Projection Matrix for Supervised Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2779-2793. & 7.2 & 29 \\
\hline 1839 & Feature Classification Based on Manifold Dimension Reduction for Night-Vision Images. , 2019, , 87-125. & & 0 \\
\hline 1840 & A generalized multi-dictionary least squares framework regularized with multi-graph embeddings. Pattern Recognition, 2019, 90, 1-11. & 5.1 & 10 \\
\hline 1841 & Laplacian Regularized Spatial-Aware Collaborative Graph for Discriminant Analysis of Hyperspectral Imagery. Remote Sensing, 2019, 11, 29. & 1.8 & 16 \\
\hline 1842 & Trace Ratio Criterion Based Large Margin Subspace Learning for Feature Selection. IEEE Access, 2019, 7, 6461-6472. & 2.6 & 2 \\
\hline 1843 & Night Vision Processing and Understanding. , 2019, , & & 5 \\
\hline
\end{tabular}

1844 HiWalk: Learning node embeddings from heterogeneous networks. Information Systems, 2019, 81, 82-91. 2.46
\begin{tabular}{|c|c|c|c|}
\hline 1845 & Unsupervised robust discriminative manifold embedding with self-expressiveness. Neural Networks, 2019, 113, 102-115. & 3.3 & 8 \\
\hline 1846 & Weighted Graph Embedding-Based Metric Learning for Kinship Verification. IEEE Transactions on Image Processing, 2019, 28, 1149-1162. & 6.0 & 46 \\
\hline 1847 & Unsupervised feature extraction by low-rank and sparsity preserving embedding. Neural Networks, 2019, 109, 56-66. & 3.3 & 30 \\
\hline 1848 & Multiview Consensus Graph Clustering. IEEE Transactions on Image Processing, 2019, 28, 1261-1270. & 6.0 & 310 \\
\hline 1849 & Latent multi-feature co-regression for visual recognition by discriminatively leveraging multi-source models. Pattern Recognition, 2019, 87, 296-316. & 5.1 & 10 \\
\hline 1850 & Fine Tuning Dual Streams Deep Network with Multi-scale Pyramid Decision for Heterogeneous Face Recognition. Neural Processing Letters, 2019, 50, 1465-1483. & 2.0 & 7 \\
\hline 1851 & A review of image set classification. Neurocomputing, 2019, 335, 251-260. & 3.5 & 33 \\
\hline 1852 & A deep discriminative and robust nonnegative matrix factorization network method with soft label constraint. Neural Computing and Applications, 2019, 31, 7447-7475. & 3.2 & 12 \\
\hline 1853 & Nonrigid Point Set Registration With Robust Transformation Learning Under Manifold Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3584-3597. & 7.2 & 108 \\
\hline
\end{tabular}

1854 Feature extraction based on graph discriminant embedding and its applications to face recognition. Soft Computing, 2019, 23, 7015-7028.

Appropriate points choosing for subspace learning over image classification. Journal of Supercomputing, 2019, 75, 688-703.

Discriminant locality preserving projections based on L2,-norm for image feature extraction and recognition. Journal of Visual Communication and Image Representation, 2019, 58, 166-177.
1.7

Kernel Distance Metric Learning Using Pairwise Constraints for Person Re-Identification. IEEE
Transactions on Image Processing, 2019, 28, 589-600.
6.0

30
1859

An Adaptive Multi-Projection Metric Learning for Person Re-Identification Across Non-Overlapping
Cameras. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2809-2821.
5.6

Unsupervised feature selection based on kernel fisher discriminant analysis and regression learning.
Machine Learning, 2019, 108, 659-686.
3.4

16
1861 \begin{tabular}{l} 
Graph Structure Fusion for Multiview Clustering. IEEE Transactions on Knowledge and Data \\
Engineering, 2019, 31, 1984-1993.
\end{tabular}

An efficient traffic sign recognition based on graph embedding features. Neural Computing and Applications, 2019, 31, 395-407.
3.2

25

1865 Shaping graph pattern mining for financial risk. Neurocomputing, 2019, 326-327, 123-131.
3.5

9

Improved t-SNE based manifold dimensional reduction for remote sensing data processing. Multimedia Tools and Applications, 2019, 78, 4311-4326.
2.6

25
```

1867 Deep Geo-Constrained Auto-Encoder for Non-Landmark GPS Estimation. IEEE Transactions on Big Data, 2019, 5, 120-133.

```

Robust Sparse Linear Discriminant Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 390-403.
5.6

252

> Subspace Clustering by Block Diagonal Representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 487-501.
9.7

267

1870 Content based image retrieval using deep learning process. Cluster Computing, 2019, 22, 4187-4200.

\footnotetext{
1871
Graph-regularized multi-view semantic subspace learning. International Journal of Machine Learning and Cybernetics, 2019, 10, 879-895.
}
1875 Learning Robust Weighted Group Sparse Graph for Discriminant Visual Analysis. Neural Processing
1877 Low-Rank Preserving Projection Via Graph Regularized Reconstruction. IEEE Transactions on Cybernetics, 2019, 49, 1279-1291.6.2118
1878 Adaptive Structure Discovery for Multimedia Analysis Using Multiple Features. IEEE Transactions onCybernetics, 2019, 49, 1826-1834.\(6.2 \quad 35\)
1879 Feature Learning Using Spatial-Spectral Hypergraph Discriminant Analysis for Hyperspectral Image. IEEE 1879 Transactions on Cybernetics, 2019, 49, 2406-2419. ..... \(6.2 \quad 254\)
1880 Transfer Independently Together: A Generalized Framework for Domain Adaptation. IEEE Transactionson Cybernetics, 2019, 49, 2144-2155.
6.2 ..... 208
1881 From shallow feature learning to deep learning: Benefits from the width and depth of deep
architectures. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1255. 4.6 ..... 52
1882 Sparsity Regularization Discriminant Projection for Feature Extraction. Neural Processing Letters, 2019, 49, 539-553.

\(2.0 \quad 8\)
Transfer Linear Subspace Learning for Cross-Corpus Speech Emotion Recognition. IEEE Transactions on Affective Computing, 2019, 10, 265-275.5.763Dimensionality reduction via preserving local information. Future Generation Computer Systems,4.912
2020, 108, 967-975. 18841885A Subspace Learning Approach to Multishot Person Reidentification. IEEE Transactions on Systems,Man, and Cybernetics: Systems, 2020, 50, 149-158.Feature Selection Based Transfer Subspace Learning for Speech Emotion Recognition. IEEE5.752
Transactions on Affective Computing, 2020, 11, 373-382. 1886
3.2
Plant species identification based on modified local discriminant projection. Neural Computing and Applications, 2020, 32, 16329-16336.
Generalized Conditional Domain Adaptation: A Causal Perspective With Low-Rank Translators. IEEE Transactions on Cybernetics, 2020, 50, 821-834.6.2
15Identifying Key Opinion Leaders in Social Media via Modality-Consistent Harmonized DiscriminantEmbedding. IEEE Transactions on Cybernetics, 2020, 50, 717-728.
1895 Collaborative representation-based discriminant neighborhood projections for face recognition. Neural Computing and Applications, 2020, 32, 5815-5832.3.221
Trace Quotient with Sparsity Priors for Learning Low Dimensional Image Representations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 3119-3135. ..... 9.7
\(+\longrightarrow\)

Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1065-1077.
5.6

17

Fuzzy 2D Linear Discriminant Analysis Based on Sub-image and Random Sampling for Face Recognition.
International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2056001.
\(0.7 \quad 5\)

Neural networks for facial age estimation: a survey on recent advances. Artificial Intelligence Review,
1916 Multiview Uncorrelated Locality Preserving Projection. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3442-3455.
\(7.2 \quad 34\)
1917 Supervised Dimensionality Reduction Methods via Recursive Regression. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3269-3279.

Integration of Cancer Genomics Data for Treeâ€based Dimensionality Reduction and Cancer Outcome

Semi-supervised dimensionality reduction via sparse locality preserving projection. Applied
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1927 & Brain pathology identification using computer aided diagnostic tool: A systematic review. Computer Methods and Programs in Biomedicine, 2020, 187, 105205. & 2.6 & 23 \\
\hline 1928 & Patch Tensor-Based Multigraph Embedding Framework for Dimensionality Reduction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1630-1643. & 2.7 & 17 \\
\hline 1929 & Maximum Correntropy Criterion-Based Robust Semisupervised Concept Factorization for Image Representation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3877-3891. & 7.2 & 14 \\
\hline 1930 & Transfer Sparse Discriminant Subspace Learning for Cross-Corpus Speech Emotion Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 307-318. & 4.0 & 30 \\
\hline 1931 & Joint metric and feature representation learning for unsupervised domain adaptation. Knowledge-Based Systems, 2020, 192, 105222. & 4.0 & 19 \\
\hline 1932 & Rethinking sketching as sampling: A graph signal processing approach. Signal Processing, 2020, 169, 107404. & 2.1 & 9 \\
\hline 1933 & Machine Learning Approaches for Myocardial Motion and Deformation Analysis. Frontiers in Cardiovascular Medicine, 2019, 6, 190. & 1.1 & 14 \\
\hline 1934 & Self-paced and auto-weighted multi-view clustering. Neurocomputing, 2020, 383, 248-256. & 3.5 & 30 \\
\hline 1935 & Facial Expressions of Comprehension (FEC). IEEE Transactions on Affective Computing, 2022, 13, 335-346. & 5.7 & 5 \\
\hline 1936 & Discriminative globality and locality preserving graph embedding for dimensionality reduction. Expert Systems With Applications, 2020, 144, 113079. & 4.4 & 36 \\
\hline 1937 & M3DNet: A manifold-based discriminant feature learning network for hyperspectral imagery. Expert Systems With Applications, 2020, 144, 113089. & 4.4 & 11 \\
\hline 1938 & Building segmentation through a gated graph convolutional neural network with deep structured feature embedding. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 184-197. & 4.9 & 91 \\
\hline 1939 & Learning Semisupervised Multilabel Fully Convolutional Network for Hierarchical Object Parsing. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1-10. & 7.2 & 14 \\
\hline 1940 & SRSC: Selective, Robust, and Supervised Constrained Feature Representation for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4290-4302. & 7.2 & 26 \\
\hline
\end{tabular}
1941 A New Algorithm for Social Inference Using Position Information. , 2020, , . ..... 1
1942 Two-Dimensional Semi-Supervised Feature Selection. , 2020, , . ..... 1

Network embedding: Taxonomies, frameworks and applications. Computer Science Review, 2020, 38,2.043
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & \\
\hline 1945 & A Novel Broad Learning Model-Based Semi-Supervised Image Classification Method. IEEE Access, 2020, 8, 116756-116765. & 2.6 & 7 \\
\hline 1946 & Towards a Holistic Microgrid Performance Framework and a Data-Driven Assessment Analysis. Energies, 2020, 13, 5780. & 1.6 & 1 \\
\hline 1947 & Manifold Transfer Learning via Discriminant Regression Analysis. IEEE Transactions on Multimedia, 2021, 23, 2056-2070. & 5.2 & 2 \\
\hline 1948 & Hyperspectral image classification based on discriminative locality preserving broad learning system. Knowledge-Based Systems, 2020, 206, 106319. & 4.0 & 2 \\
\hline 1949 & A General Matrix Function Dimensionality Reduction Framework and Extension for Manifold Learning. IEEE Transactions on Cybernetics, 2022, 52, 2137-2148. & 6.2 & 13 \\
\hline 1950 & Unsupervised Domain Adaptation via Discriminative Manifold Propagation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1653-1669. & 9.7 & 3 \\
\hline 1951 & Data Representation by Joint Hypergraph Embedding and Sparse Coding. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2106-2119. & 4.0 & 3 \\
\hline 1952 & Adversary for Social Good: Protecting Familial Privacy through Joint Adversarial Attacks. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 11304-11311. & 3.6 & 1 \\
\hline
\end{tabular}
1953 Realizability of Planar Point Embeddings from Angle Measurements. , 2020, , . ..... 1
1954 BalNode2Vec: Balanced Random Walk based Versatile Feature Learning for Networks. , 2020, , . ..... 0
Semisupervised Hypergraph Discriminant Learning for Dimensionality Reduction of Hyperspectral
1955 Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, ..... 2.3 ..... 10 4242-4256.
1956 Decentralized Principal Component Analysis by Integrating Lagrange Programming Neural Networks
With Alternating Direction Method of Multipliers. IEEE Access, 2020, 8, 182842-182852.
1
Joint Sparsity and Collaboration Preserving Projections for Rotating Electrical Machinery Fault ..... 2.6 ..... 2



Minimum Eigenvector Collaborative Representation Discriminant Projection for Feature Extraction. Sensors, 2020, 20, 4778

Learning Discriminative Factorized Subspaces With Application to Touchscreen Biometrics. IEEE Access, 2020, 8, 152500-152511.
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1964 & Low-Rank Discriminative Adaptive Graph Preserving Subspace Learning. Neural Processing Letters, 2020, 52, 2127-2149. & 2.0 & 5 \\
\hline 1965 & Cluster-Specific Latent Factor Estimation in High-Dimensional Financial Time Series. IEEE Access, 2020, 8, 164365-164379. & 2.6 & 2 \\
\hline 1966 & TriNE: Network Representation Learning for Tripartite Heterogeneous Networks. , 2020, , . & & 1 \\
\hline 1967 & A dynamic inverse distance weighting-based local face descriptor. Multimedia Tools and Applications, 2020, 79, 31087-31102. & 2.6 & 1 \\
\hline 1968 & Joint and Progressive Subspace Analysis (JPSA) With Spatialâ€"Spectral Manifold Alignment for Semisupervised Hyperspectral Dimensionality Reduction. IEEE Transactions on Cybernetics, 2021, 51, 3602-3615. & 6.2 & 71 \\
\hline 1969 & Kernelized Multiview Subspace Analysis By Self-Weighted Learning. IEEE Transactions on Multimedia, 2021, 23, 3828-3840. & 5.2 & 78 \\
\hline 1970 & Class mean vector component and discriminant analysis. Pattern Recognition Letters, 2020, 140, 207-213. & 2.6 & 0 \\
\hline 1971 & ASIC package ID detection system based on Matrix tri-temperature handler. , 2020, , . & & 1 \\
\hline
\end{tabular}

1972 Learning Knowledge Embeddings with Prior Weights for Sparse Interaction Recommendation. , 2020, , .
0

1973 Research on Image Reconstruction Algorithm Based on Complex Analysis Method. , 2020, , .
0

1974 Double graphs-based discriminant projections for dimensionality reduction. Neural Computing and Applications, 2020, 32, 17533-17550.
3.2

17

1975 Adaptive Component Embedding for Domain Adaptation. IEEE Transactions on Cybernetics, 2021, 51,
1975 3390-3403.
6.2

31

DigGCN: Learning Compact Graph Convolutional Networks via Diffusion Aggregation. IEEE
6.2

Transactions on Cybernetics, 2022, 52, 912-924.
7

Semi-supervised elastic manifold embedding with deep learning architecture. Pattern Recognition,
5.1

14
2020, 107, 107425.

Person Re-Identification by Discriminative Local Features of Overlapping Stripes. Symmetry, 2020, 12,
1.1

3

1979 Object Detection Using Multiview CCA-Based Graph Spectral Learning. Journal of Circuits, Systems and Computers, \(2020,29,2050022\).

1980 Towards Robust Pattern Recognition: A Review. Proceedings of the IEEE, 2020, 108, 894-922.
4.9

373
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 1982 & Fully Convolutional Networks and a Manifold Graph Embedding-Based Algorithm for PolSAR Image Classification. Remote Sensing, 2020, 12, 1467. & 1.8 & 10 \\
\hline 1983 & PolSAR Image Feature Extraction via Co-Regularized Graph Embedding. Remote Sensing, 2020, 12, 1738. & 1.8 & 0 \\
\hline 1984 & Local Discriminant Subspace Learning for Gas Sensor Drift Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 247-259. & 5.9 & 28 \\
\hline 1985 & Graph representation learning: a survey. APSIPA Transactions on Signal and Information Processing, 2020, 9,. & 2.6 & 106 \\
\hline 1986 & Automated Classification of Glaucoma Stages Using Flexible Analytic Wavelet Transform From Retinal Fundus Images. IEEE Sensors Journal, 2020, 20, 12885-12894. & 2.4 & 49 \\
\hline 1987 & Orthogonal neighborhood preserving discriminant analysis with patch embedding for face recognition. Pattern Recognition, 2020, 106, 107450. & 5.1 & 10 \\
\hline 1988 & Self-adaptive manifold discriminant analysis for feature extraction from hyperspectral imagery. Pattern Recognition, 2020, 107, 107487. & 5.1 & 21 \\
\hline 1989 & Improving deep neural network performance by integrating kernelized Min-Max objective. Neurocomputing, 2020, 408, 82-90. & 3.5 & 3 \\
\hline 1990 & Unsupervised Large Graph Embedding Based on Balanced and Hierarchical K-means. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1. & 4.0 & 16 \\
\hline 1991 & Stratifying patients using fast multiple kernel learning framework: case studies of Alzheimerâ \(€^{T M}{ }^{\mathrm{S}}\) disease and cancers. BMC Medical Informatics and Decision Making, 2020, \(20,108\). & 1.5 & 15 \\
\hline 1992 & A deep feature manifold embedding method for hyperspectral image classification. Remote Sensing Letters, 2020, 11, 620-629. & 0.6 & 5 \\
\hline 1993 & Deep Learning on Graphs: A Survey. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 249-270. & 4.0 & 552 \\
\hline
\end{tabular}

1994 Theoretical basis of machine learning. , 2020, , 97-107. 0
Scatter Matrix Based Domain Adaptation for Bi-Temporal Polarimetric SAR Images. Remote Sensing,
2020, 12, 658.

1996 A complex-valued functional brain connectivity descriptor amenable to Riemannian geometry. Journal of Neural Engineering, 2020, 17, 024001.
1.8

3

1997 Heterogeneous Daily Living Activity Learning Through Domain Invariant Feature Subspace. IEEE Transactions on Big Data, 2021, 7, 922-929.
\(4.4 \quad 5\)

1998 Graph-based data clustering via multiscale community detection. Applied Network Science, 2020, 5, .
\(2000 \begin{aligned} & \text { Transferable Linear Discriminant Analysis. IEEE Transactions on Neural Networks and Learning } \\ & \text { Systems, 2020, 31, 5630-5638. }\end{aligned}\)
IF
Citations
7.2

\section*{2001}

Semi-supervised hyperspectral image classification algorithm based on graph embedding and discriminative spatial information. Microprocessors and Microsystems, 2020, 75, 103070.
1.8

Brain graph super-resolution for boosting neurological disorder diagnosis using unsupervised multi-topology connectional brain template learning. Medical Image Analysis, 2020, 65, 101768.
7.0

GE-GAN: A novel deep learning framework for road traffic state estimation. Transportation Research
Part C: Emerging Technologies, 2020, 117, 102635.
3.9

On general matrix exponential discriminant analysis methods for high dimensionality reduction.
Calcolo, 2020, 57, 1.
0.6

Spatial Origin-Destination Flow Imputation Using Graph Convolutional Networks. IEEE Transactions
on Intelligent Transportation Systems, 2021, 22, 7474-7484.
4.7

36

2006 Weighted full binary tree-sliced binary pattern: An RGB-D image descriptor. Heliyon, 2020, 6, e03751.
1.4

10

Emotion recognition using multi-modal data and machine learning techniques: A tutorial and review.
Information Fusion, 2020,59, 103-126.
11.7

331

2008 Robust nonnegative matrix factorization with structure regularization. Neurocomputing, 2020, 412,
72-90.
3.5

25

> 2009 A Survey of Security Vulnerability Analysis, Discovery, Detection, and Mitigation on loT Devices.
> Future Internet, 2020, 12, 27.

Review on graph learning for dimensionality reduction of hyperspectral image. Geo-Spatial
Information Science, 2020, 23, 98-106.
2.4

21

2011 Multi-layer manifold learning with feature selection. Applied Intelligence, 2020, 50, 1859-1871.
\(3.3 \quad 4\)

Dynamic allocation strategy of VM resources with fuzzy transfer learning method. Peer-to-Peer
2.6

9
Networking and Applications, 2020, 13, 2201-2213.
.6

2014 Dimensionality Reduction and Latent Variable Modeling. , 2020, , 1039-1115.
0

2015 A Novel Active Learning Algorithm for Robust Image Classification. IEEE Access, 2020, 8, 71106-71116.
2.6

0

\footnotetext{
2016 Discriminative dimensionality reduction for sensor drift compensation in electronic nose: A robust,
low-rank, and sparse representation method. Expert Systems With Applications, 2020, 148, 113238.

Subspace Learning and Feature Selection via Orthogonal Mapping. IEEE Transactions on Signal
Processing, 2020, 68, 1034-1047.
}
4.4

17

PoISAR Feature Extraction Via Tensor Embedding Framework for Land Cover Classification. IEEE
Transactions on Geoscience and Remote Sensing, 2020, 58, 2337-2351.

Dimensionality Reduction With Enhanced Hybrid-Graph Discriminant Learning for Hyperspectral Image
Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5336-5353.

Network representation learning: a systematic literature review. Neural Computing and Applications,
2020, 32, 16647-16679.
3.2

42

Multi-Dimensional Representation System of Visual Elements in Graphic Design Based on Computer Aided. , 2020, , .

A hybrid double-density dual-tree discrete wavelet transformation and marginal Fisher analysis for
2027 scoring sleep stages from unprocessed single-channel electroencephalogram. Quantitative Imaging in
Medicine and Surgery, 2020, 10, 766-778.
Adaptive collaborative graph for discriminant analysis of hyperspectral imagery. European Journal of Remote Sensing, 2020, 53, 91-103.
\(1.7 \quad 3\)
3
\[
\begin{aligned}
& 2029 \text { Multiview Concept Learning Via Deep Matrix Factorization. IEEE Transactions on Neural Networks and } \\
& \text { Learning Systems, 2021, 32, 814-825. }
\end{aligned}
\]
\(7.2 \quad 37\)

Graph Embedding Multi-Kernel Metric Learning for Image Set Classification With Grassmannian
Manifold-Valued Features. IEEE Transactions on Multimedia, 2021, 23, 228-242.
5.2

30

2031 Hyperspectral and Multispectral Image Fusion via Graph Laplacian-Guided Coupled Tensor
Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 648-662.
\(2.7 \quad 51\)

Laplacian Regularized Nonnegative Representation for Clustering and Dimensionality Reduction. IEEE
Transactions on Circuits and Systems for Video Technology, 2021, 31, 1-14.
5.6

33

Graph Embedded Convolutional Neural Networks in Human Crowd Detection for Drone Flight Safety.
3.4

34
2033 IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 191-204.

Nonnegative representation based discriminant projection for face recognition. International Journal
of Machine Learning and Cybernetics, 2021, 12, 733-745.
2.3

9

Unsupervised double weighted domain adaptation. Neural Computing and Applications, 2021, 33,
3545-3566.
3.2

5

DGRU based human activity recognition using channel state information. Measurement: Journal of the International Measurement Confederation, 2021, 167, 108245.

\footnotetext{
2037
Speed-up and multi-view extensions to subclass discriminant analysis. Pattern Recognition, 2021, 111 , 107660.
}

Asymmetric alignment joint consistent regularization for multi-source domain adaptation.
Multimedia Tools and Applications, 2021, 80, 6041-6064.

Representative null space LDA for discriminative dimensionality reduction. Pattern Recognition, 2021,
5.12041 Flexible data representation with graph convolution for semi-supervised learning. Neural Computing

Dual-graph regularized discriminative transfer sparse coding for facial expression recognition. , 2021, 108, 102906.
2043 Link prediction in heterogeneous information networks: An improved deep graph convolution3.5
2045 Microblog sentiment analysis via embedding social contexts into an attentive LSTM. Engineering Applications of Artificial Intelligence, 2021, 97, 104048.
2046 Low-Rank Preserving t-Linear Projection for Robust Image Feature Extraction. IEEE Transactions onImage Processing, 2021, 30, 108-120.6.0
2047 Dual subspace discriminative projection learning. Pattern Recognition, 2021, 111, 107581. ..... 5.1 ..... 18
2048 Structured graph learning for clustering and semi-supervised classification. Pattern Recognition,2021, 110, 107627.
5.1 ..... 94
2049 Local structured feature learning with dynamic maximum entropy graph. Pattern Recognition, 2021, 111, 107673.
5.1 ..... 21
2050 Data Management, Analytics and Innovation. Advances in Intelligent Systems and Computing, 2021, , . ..... 0.5 ..... 4
2051 Metric transfer learning via geometric knowledge embedding. Applied Intelligence, 2021, 51, 921-934. ..... 3.3 ..... 15Graph Embedding-Based Dimension Reduction With Extreme Learning Machine. IEEE Transactions on5.917
Systems, Man, and Cybernetics: Systems, 2021, 51, 4262-4273.
4.0 ..... 57
Deep Collaborative Filtering with Multi-Aspect Information in Heterogeneous Networks. IEEE 2053 Transactions on Knowledge and Data Engineering, 2021, 33, 1413-1425.

Article
IF

KISS+ for Rapid and Accurate Pedestrian Re-Identification. IEEE Transactions on Intelligent
Transportation Systems, 2021, 22, 394-403.
2057 Supervised Domain Adaptation using Graph Embedding. , 2021, , .3
2058 Supervised Feature Embedding for Classification by Learning Rank-based Neighborhoods. , 2021, , .o
2059 Multi-layer linear embedding with feature subset selection. Knowledge and Information Systems, 2021, ..... 2.1 ..... 5Superpixelwise Collaborative-Representation Graph Embedding for Unsupervised Dimension Reduction2060 in Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote2.3Sensing, 2021, 14, 4684-4698.
2061 2-D Compact Variational Mode Decomposition- Based Automatic Classification of Claucoma Stages
From Fundus Images. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10. ..... 2.4
Progressive Graph Convolutional Networks for Semi-Supervised Node Classification. IEEE Access, 2021,9, 81957-81968.2.68
2063 Dimensionality Reduction for Tensor Data Based on Local Decision Margin Maximization. IEEE Transactions on Image Processing, 2021, 30, 234-248. ..... 6.0 ..... 7
2064 Dimensionality Reduction and Metric Learning. , 2021, , 241-264.2
2065 Unsupervised Adaptive Embedding for Dimensionality Reduction. IEEE Transactions on Neural
Networks and Learning Systems, 2022, 33, 6844-6855. ..... \(7.2 \quad 6\)Manifold Learning-Based Semisupervised Neural Network for Hyperspectral Image Classification. IEEE2.76
Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.
1.8 ..... 19Feature Line Embedding Based on Support Vector Machine for Hyperspectral Image Classification.Remote Sensing, 2021, 13, 130.Markov Chain Neighborhood Sparse Preserving Graph Embedding Based on Tensor Factorization forBatch Process Monitoring. IEEE Access, 2021, 9, 16211-16224.
2.63Deep Metric Learning for K Nearest Neighbor Classication. IEEE Transactions on Knowledge and Data4.05Engineering, 2021, , 1-1.
2071 regulatory networks. Peerj Computer Science, 2021, 7, e363.2.75
2073 423-430.

Flexible Multi-View Unsupervised Graph Embedding. IEEE Transactions on Image Processing, 2021, 30,

\section*{2076 \\ Amplitude-Phase Information Measurement on Riemannian Manifold for Motor Imagery-Based BCI. IEEE Signal Processing Letters, 2021, 28, 1310-1314.}
2.1

6

2077 Linear and Deep Order-Preserving Wasserstein Discriminant Analysis. IEEE Transactions on Pattern
Analysis and Machine Intelligence, 2022, 44, 3123-3138.
9.71

Predicting the Survival of Cancer Patients with Multimodal Graph Neural Network. IEEE/ACM
Transactions on Computational Biology and Bioinformatics, 2021, PP, 1-1.
1.9

10

2079 Neighborhood Preserving and Weighted Subspace Learning Method for Drift Compensation in Gas
5.9

Sensor. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3530-3541.

2080
Joint Label Inference and Discriminant Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4413-4423.

> 2081 Subspace learning for facial expression recognition: an overview and a new perspective. APSIPA
> Transactions on Signal and Information Processing, 2021, 10, .
2.68
2082 Graph-Embedded Multi-Layer Kernel Ridge Regression for One-Class Classification. Cognitive Computation, 2021, 13, 552-569.
2083 IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 588-598.
2084 Robust automated graph regularized discriminative non-negative matrix factorization. MultimediaTools and Applications, 2021, 80, 14867-14886.2.6
2085 Graph Spectral Feature Learning for Mixed Data of Categorical and Numerical Type. , 2021, , .0Collaborative and Low-Rank Graph for Discriminant Analysis of Hyperspectral Imagery. IEEE Journal ofSelected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5248-5259.
\(2.3 \quad 7\)

\footnotetext{
Integrative clustering methods for multiâ€omics data. Wiley Interdisciplinary Reviews: Computational Statistics, 2022, 14, e1553.
}

Semantic class discriminant projection for image retrieval with relevance feedback. Multimedia Tools and Applications, 2021, 80, 15351-15376.

Multi-view Low-rank Preserving Embedding: A novel method for multi-view representation.
Engineering Applications of Artificial Intelligence, 2021, 99, 104140.
2101 Feature Extraction via Sparse Fuzzy Difference Embedding (SFDE) for Robust Subspace Learning. Neural2101 Processing Letters, 2021, 53, 2113-2128.
Unsupervised and Semisupervised Projection With Graph Optimization. IEEE Transactions on NeuralNetworks and Learning Systems, 2021, 32, 1547-1559.7.232
2103 Joint Transferable Dictionary Learning and View Adaptation for Multi-view Human Action Recognition. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-23.
2.5 ..... 5Stochastic gradient support vector machine with local structural information for patternrecognition. International Journal of Machine Learning and Cybernetics, 2021, 12, 2237-2254.
\(2.3 \quad 4\)

Feature extraction via prototype margin distance maximizing criterion for subspace learning. Optik,

Orthogonal tucker decomposition using factor priors for 2D+3D facial expression recognition. IET Biometrics, 2021, 10, 664.

\footnotetext{
2109
Inductive semi-supervised learning with Graph Convolution based regression. Neurocomputing, 2021, 434, 315-322.
}
2110 \begin{tabular}{l} 
Spatialâ \(€\) spectral feature extraction of hyperspectral images using tensorâ€based collaborative graph \\
analysis. Electronics Letters, 2021, 57, 550-552.
\end{tabular}
```

2111 Research on Arm Stroke Track Positioning in Backstroke Training Based on Layered Teaching Method. ,

```

2112 Tensor Methods in Computer Vision and Deep Learning. Proceedings of the IEEE, 2021, 109, 863-890.
16.453
Dimensions reduction of vibration signal features using LDA and PCA for real time tool wear
detection with single layer perceptron. IOP Conference Series: Materials Science and Engineering,
\(2021,1125,012052\).
2114 A Survey on Concept Factorization: From Shallow to Deep Representation Learning. Information
Processing and Management, 2021, 58, 102534.\(5.4 \quad 24\)
2115 Multi-Source Co-adaptation for EEG-Based Emotion Recognition by Mining Correlation Information. ..... 1.4
2116 Hyperspectral image classification with discriminative manifold broad learning system.Neurocomputing, 2021, 442, 236-248.
3.5
2117 Tensor dimensionality reduction via mode product and HSIC. IET Image Processing, 2021, 15, 2986-3002.
2119 Multi-view classification with semi-supervised learning for SAR target recognition. Signal Processing,
2021, 183, 108030.2.1194.052Rumor2vec: A rumor detection framework with joint text and propagation structure representationlearning. Information Sciences, 2021, 560, 137-151.
\[
4.0
\]
\[
52
\]

Robust Electronic Nose in Industrial Cyber Physical Systems based on Domain Adaptive Subspace

\footnotetext{
Threat detection and investigation with system-level provenance graphs: A survey. Computers and
}
2125 Security, 2021, 106, 102282.
2128 Spatial-Spectral Density Peaks-Based Discriminant Analysis for Membranous Nephropathy

Heterogeneous-attributes enhancement deep framework for network embedding. Frontiers of Computer Science, 2021, 15, 1.
\begin{tabular}{|c|c|c|}
\hline 2131 & Explicit Nonlinear Mapping for Manifold Learning with Neighborhood Preserving Polynomial Embedding. Research on Intelligent Manufacturing, 2022, , 81-106. & 0.2 \\
\hline 2132 & Discriminant analysis based on reliability of local neighborhood. Expert Systems With Applications, 2021, 175, 114790. & 4.4 \\
\hline 2133 & Label propagation with structured graph learning for semi-supervised dimension reduction. Knowledge-Based Systems, 2021, 225, 107130. & 4.0 \\
\hline 2134 & Neighboring Discriminant Component Analysis for Asteroid Spectrum Classification. Remote Sensing, 2021, 13, 3306. & 1.8 \\
\hline 2135 & Onboard target detection in hyperspectral image based on deep learning with FPGA implementation. Microprocessors and Microsystems, 2021, 85, 104313. & 1.8 \\
\hline 2136 & Discriminant Tensor-Based Manifold Embedding for Medical Hyperspectral Imagery. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3517-3528. & 3.9 \\
\hline 2137 & Dimension reduction of multimodal data by auto-weighted local discriminant analysis. Neurocomputing, 2021, 461, 27-40. & 3.5 \\
\hline
\end{tabular}

2138 Dual-graph regularized subspace learning based feature selection. , 2021, 117, 103175.
2139 A synchronous feature learning method for multiplex network embedding. Information Sciences, 2021,
574, 176-191.
\(4.0 \quad 6\)

Minimum variance-embedded kernelized extension of extreme learning machine for imbalance learning.
Pattern Recognition, 2021, 119, 108069.
5.1

4

Sparse additive discriminant canonical correlation analysis for multiple features fusion.
3.5

4
2141 Neurocomputing, 2021, 463, 185-197.

2142 Selection of diverse features with a diverse regularization. Pattern Recognition, 2021, 120, 108154.
\(5.1 \quad 2\)

2143 Theoretical framework in graph embedding-based discriminant dimensionality reduction. Signal
2.1

5
Processing, 2021, 189, 108289.

A systematic analysis and guidelines of graph neural networks for practical applications. Expert Systems With Applications, 2021, 184, 115466.
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 2146 & Graph Embeddings for Abusive Language Detection. SN Computer Science, 2021, \(2,1\). & 2.3 & 10 \\
\hline 2147 & Adaptive Local Embedding Learning for Semi-Supervised Dimensionality Reduction. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4609-4621. & 4.0 & 20 \\
\hline 2148 & Deep Metric Learning With Manifold Class Variability Analysis. IEEE Transactions on Multimedia, 2022, 24, 3533-3544. & 5.2 & 3 \\
\hline 2149 & Multi-Perspective Trust Management Framework for Crowdsourced IoT Services. IEEE Transactions on Services Computing, 2022, 15, 2396-2409. & 3.2 & 21 \\
\hline 2150 & Semi-Supervised Learning Based Semantic Cross-Media Retrieval. IEEE Access, 2021, 9, 75049-75057. & 2.6 & 2 \\
\hline 2151 & Low rank representation and discriminant analysis-based models for peer-to-peer default risk assessment. Journal of Systems and Information Technology, 2021, ahead-of-print, . & 0.8 & 1 \\
\hline 2152 & Robust Fast Subclass Discriminant Analysis. , 2021, , . & & 2 \\
\hline 2153 & Semi-Supervised Learning With Label Proportion. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 877-890. & 4.0 & 1 \\
\hline 2154 & Graph Embedding and Distribution Alignment for Domain Adaptation in Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7654-7666. & 2.3 & 20 \\
\hline 2155 & Non-linear Techniques for Dimension Reduction. , 2009, , 1003-1007. & & 5 \\
\hline
\end{tabular}

2156 Multimedia Information Networks in Social Media. , 2011, , 413-445. 3

2157 A Flexible and Effective Linearization Method for Subspace Learning., 2013, , 177-203.
2

Joint and Progressive Learning from High-Dimensional Data for Multi-label Classification. Lecture
Notes in Computer Science, 2018, , 478-493.
\(1.0 \quad 27\)

Wearable Galvanic Skin Response for Characterization and Identification of Distraction During
Naturalistic Driving. Internet of Things, 2019, , 15-27.

Graph Convolutional Networks: Algorithms, Applications and Open Challenges. Lecture Notes in Computer Science, 2018, , 79-91.
1.0

27

2161 The Effect of Culture and Social Orientation on Playerâ \(€^{\mathrm{TM}} \mathrm{S}\) Performances in Tacit Coordination Games.
Lecture Notes in Computer Science, 2018, , 437-447.
\(1.0 \quad 11\)

Suzzer: A Vulnerability-Guided Fuzzer Based on Deep Learning. Lecture Notes in Computer Science,
2020, , 134-153.
1.0

3

\footnotetext{
2165 Sparse Principal Component Analysis via Joint L 2,1-Norm Penalty. Lecture Notes in Computer Science,
2013, , 148-159.
}
1.0

5
Exploring the Large-Scale TDOA Feature Space for Speaker Diarization. Communications in Computer
and Information Science, 2014, ,551-556.
\begin{tabular}{lll}
2173 & \begin{tabular}{l} 
Multiple-manifolds Discriminant Analysis for Facial Expression Recognition from Local Patches Set. \\
Lecture Notes in Computer Science, 2015, 26-33.
\end{tabular} & 1.0 \\
2174 & \begin{tabular}{l} 
Activity-Based Person Identification Using Discriminative Sparse Projections and Orthogonal Ensemble \\
Metric Learning. Lecture Notes in Computer Science, 2015, , 809-824.
\end{tabular} & 1.0 \\
2176 & \begin{tabular}{l} 
Spontaneous Subtle Expression Recognition: Imbalanced Databases and Solutions. Lecture Notes in \\
Computer Science, 2015, 33-48.
\end{tabular} & 1.0 \\
\hline
\end{tabular}
Learning a Person-Independent Representation for Precise 3D Pose Estimation. Lecture Notes in
2188
2188 Computer Science, 2007, , 297-306.
2192 A Graph Based Subspace Semi-supervised Learning Framework for Dimensionality Reduction. Lecture
2195 Multilinear Tensor-Based Non-parametric Dimension Reduction for Gait Recognition. Lecture Notes in Computer Science, 2009, , 1030-1039.
2196 Smooth Multi-Manifold Embedding for Robust Identity-Independent Head Pose Estimation. Lecture 2196 Notes in Computer Science, 2009, , 66-73.
\(1.0 \quad 5\)
2197 Lorentzian Discriminant Projection and Its Applications. Lecture Notes in Computer Science, 2010, ,311-320.
\(1.0 \quad 3\)
2198 Human Action Recognition Using Spatio-temporal Classification. Lecture Notes in Computer Science,
2010, , 98-109.
1.0 ..... 5
2200 Nonparametric Marginal Fisher Analysis for Feature Extraction. Lecture Notes in Computer Science,2010, , 221-228.
\(1.0 \quad 1\)
2201 Semi-supervised Neighborhood Preserving Discriminant Embedding: A Semi-supervised Subspace
Learning Algorithm. Lecture Notes in Computer Science, 2011, , 199-212.1.0Multiple Kernel Learning via Distance Metric Learning for Interactive Image Retrieval. Lecture Notes inComputer Science, 2011, , 147-156.
2206A Block-Based Orthogonal Locality Preserving Projection Method for Face Super-Resolution. LectureNotes in Computer Science, 2012, , 253-262.

A One Hour Trip in the World of Graphs, Looking at the Papers of the Last Ten Years. Lecture Notes in

A Unified Framework for Probabilistic Component Analysis. Lecture Notes in Computer Science, 2014, ,

2215 Locality adaptive preserving projections for linear dimensionality reduction. Expert Systems With Applications, 2020, 151, 113352.
2217 Multi-view subspace clustering via simultaneously learning the representation tensor and affinity matrix. Pattern Recognition, 2020, 106, 107441.Scalable out-of-sample extension of graph embeddings using deep neural networks. PatternRecognition Letters, 2017, 94, 1-6.
2220 Deep Manifold Reconstruction Neural Network for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.Processing, 2018, 27, 325-334.6.068
Tensor Rank Preserving Discriminant Analysis for Facial Recognition. IEEE Transactions on Image 2221\(1.4 \quad 5\)
2222 Generalized Embedding Regression: A Framework for Supervised Feature Extraction. IEEE Transactions
on Neural Networks and Learning Systems, 2022, 33, 185-199.7.216Optimal neighbor graph-based orthogonal tensor locality preserving projection for image0.5recognition. Journal of Electronic Imaging, 2016, 25, 063017.

Semisupervised graph-based hyperspectral images classification using low-rank representation graph with considering the local structure of data. Journal of Electronic Imaging, 2018, \(27,1\).

Locality sensitive discriminant projection for feature extraction and face recognition. Journal of Electronic Imaging, 2019, 28, 1.

Multiparameter Space Decision Voting and Fusion Features for Facial Expression Recognition. Computational Intelligence and Neuroscience, 2020, 2020, 1-17.
2230 Supervised Filter Learning for Representation Based Face Recognition. PLoS ONE, 2016, 11, e0159084. ..... 1.1
2232 Identification of Cancerlectins By Using Cascade Linear Discriminant Analysis and Optimal g-gap
2234 Locally Linear Embedding Based on Relative Manifold. Ruan Jian Xue Bao/Journal of Software, 2009, 20,
2376-2386.\(0.3 \quad 4\)Supervised Feature Extraction Based on Information Fusion of Local Structure and Diversity
State-of-the-Art on Video-Based Face Recognition. Jisuanji Xuebao/Chinese Journal of Computers, 2009, 32, 878-886.
2242 Optimal Kernel Marginal Fisher Analysis for Face Recognition. Journal of Computers, 2012, 7, .

Graph Learning Based Speaker Independent Speech Emotion Recognition. Advances in Electrical and
2250 Local Structure Graph Discriminant Embedding for Hyperspectral Image Classification., 2021, , . ..... 0
Constructing a prior-dependent graph for data clustering and dimension reduction in the edge ofAloT. Future Generation Computer Systems, 2022, 128, 381-394.

Characterizing interactions between cardiac shape and deformation by non-linear manifold learning.
Medical Image Analysis, 2022, 75, 102278.

Heterogeneous domain adaptation with statistical distribution alignment and progressive pseudo label selection. Applied Intelligence, 2022, 52, 8038-8055.
2258 A Novel Local Sensitive Frontier Analysis for Feature Extraction. Lecture Notes in Computer Science, 2009, , 556-565.1.00
2260 Orthogonal Discriminant Local Tangent Space Alignment. Lecture Notes in Computer Science, 2010, , ..... 423-429.
1.0 ..... 0Semi-supervised Nearest Neighbor Discriminant Analysis Using Local Mean for Face Recognition.Lecture Notes in Computer Science, 2010, , 331-338.

Class-Specific Low-Dimensional Representation of Local Features for Viewpoint Invariant Object Recognition. Lecture Notes in Computer Science, 2011, , 250-261.

\title{
A Novel Probabilistic Linear Subspace Approach for Face Applications. Lecture Notes in Computer
}

Uncorrelated Neighborhood Preserving Projections for Face Recognition. Lecture Notes in Computer
Science, 2011, , 513-520.

2269 Local Block Representation for Face Recognition. Lecture Notes in Computer Science, 2011, , 340-347.
1.0

0

2270 Image Retrieval Algorithm Based on Enhanced Relational Graph. Lecture Notes in Computer Science,
1.0

2011, , 220-231.
0

Discriminant Projection Embedding with Its Application to Face Recognition. Dianzi Yu Xinxi
0.1

Xuebao/Journal of Electronics and Information Technology, 2011, 30, 2902-2905.
0

Face Feature Extraction Based on Maximum Margin Criterion and Image Matrix Bidirectional
Projection. Zidonghua Xuebao/Acta Automatica Sinica, 2011, 36, 1645-1654.
0.3

Neighborhood Preserving Fisher Discriminant Analysis. Information Technology Journal, 2011, 10,
2464-2469.

A New Local Discriminant Projection Method. Jisuanji Xuebao/Chinese Journal of Computers, 2011, 34,
2243-2250.
0.3

1

\section*{2275 Multivariate Formulations. , 2011, , 71-98.}
2276 Gabor Feature-Based Fast Neighborhood Component Analysis for Face Recognition. Lecture Notes in
Computer Science, 2012, , 266-273.
\(1.0 \quad 0\)

Distance Adaptive Tensor Discriminative Geometry Preserving Projection for Face Recognition.
International Journal of Advanced Robotic Systems, 2012, 9, 90.
1.3

1
2278 Kernel L1 Graph for Image Analysis. Communications in Computer and Information Science, 2012, ,
2278 447-454.
0.4

1

2280 Hashing with Cauchy Graph. Lecture Notes in Computer Science, 2012, , 21-32.
1.0

0

> 2281 Optimal Combination of Feature Weight Learning and Classification Based on Local Approximation.
> Lecture Notes in Computer Science, 2012, , 86-94.
1.0

Detection of M:N corresponding class group pairs between two spatial datasets with agglomerative
2282 hierarchical clustering. Journal of the Korean Society of Surveying Geodesy Photogrammetry and
Cartography, 2012, 30, 125-134.

2283 Patch Alignment for Graph Embedding. , 2013, , 73-118.

Locality Preserving Non-negative Basis Learning with Graph Embedding. Lecture Notes in Computer
1.0
1.0

3

The Maximized Discriminative Subspace for Manifold Learning Problem. Lecture Notes in Computer

Face Recognition Using Fast Neighborhood Component Analysis with Spatially Smooth Regularizer.
2291 Local Fisher Discriminant Analysis with Locally Linear Embedding Affinity Matrix. Lecture Notes in2294 Robust Face Recognition Based on Spatially-Weighted Sparse Coding. Lecture Notes in ComputerScience, 2013, , 16-25.

\section*{2295 Enhancing Kernel Maximum Margin Projection for Face Recognition. Journal of Software, 2013, 8, .}
2296 Image Retrieval with Tensor Biased Discriminant Embedding. Journal of Computers, 2013, 8, .
2299 Shared Representation of SAR Target and Shadow Based on Multilayer Auto-encoder. Journal of Radars, 2013, 2, 195-202.
\(0.1 \quad 1\)
2300 Optimal Subspace Learning for Sparse Representation Based Classifier via Discriminative Principal
Subspaces Alignment. Lecture Notes in Computer Science, 2014, 320-331.
1.0 ..... 0Activity Recognition for Traditional Dances Using Dimensionality Reduction. Lecture Notes in1.00
Computer Science, 2014, , 115-125.1.04Segmentation and Normalization of Human Ears Using Cascaded Pose Regression. Lecture Notes inComputer Science, 2014, , 261-272.
```

2 3 0 8 ~ D a t a ~ M i n i n g ~ T o o l s . , ~ 2 0 1 4 , ~ , ~ 6 4 6 - 6 5 4 . ~

```

Building Matching Analysis and New Building Update for the Integrated Use of the Digital Map and the
2313 Road Name Address Map. Journal of the Korean Society of Surveying Geodesy Photogrammetry and

Intelligent Credit Assessment System by Kernel Locality Preserving Projections and
\(\square\)2320 Gait Recognition Based Online Person Identification in a Camera Network. Lecture Notes in ComputerScience, 2015, , 145-156.

Discriminant Neighborhood Structure Embedding Using Trace Ratio Criterion for Image Recognition. Journal of Computer and Communications, 2015, 03, 64-70.

Single-Hidden Layer Feedforward Neual Network Training Using Class Geometric Information. Studies in Computational Intelligence, 2016, , 351-364.

The Necessary and Sufficient Conditions for the Existence of the Optimal Solution of Trace Ratio
2328 \begin{tabular}{l} 
Spectral-spatial Classification of Hyperspectral Image Based on Locality Preserving Discriminant \\
Analysis. Lecture Notes in Computer Science, 2016, , 21-29.
\end{tabular}

2331 Comprehensive Graph and Content Feature Based User Profiling. Lecture Notes in Computer Science, 2016, , 31-42.
Category Guided Sparse Preserving Projection for Biometric Data Dimensionality Reduction. Lecture
2332 Notes in Computer Science, 2016, 539-546.
2334 Prediction of Infarct Localization from Myocardial Deformation. Lecture Notes in Computer Science,

\title{
Face Recognition via Domain Adaptation and Manifold Distance Metric Learning. Lecture Notes in
}

Computer Science, 2017, , 3-10.

Pedestrian Color Naming via Convolutional Neural Network. Lecture Notes in Computer Science, 2017,

The effect of bant selection to success of artificial neural network in hyperspectral classification. ,
\begin{tabular}{ll}
2348 & \begin{tabular}{l} 
Task Classification Using Topological Graph Features for Functional M/EEC Brain Connectomics. \\
Lecture Notes in Computer Science, 2018, 21-32.
\end{tabular} \\
2349 & \begin{tabular}{l} 
MultNet: An Efficient Network Representation Learning for Large-Scale Social Relation Extraction. \\
Lecture Notes in Computer Science, 2018, , 515-524.
\end{tabular}
\end{tabular}

Nuclear norm-based two-dimensional discriminant locality preserving projection for face recognition. Journal of Electronic Imaging, 2018, 27, 1.

Learning head pose-insensitive and discriminative deep features for smile detection. Journal of
```

2355 A noble approach to effective Recommender System using Graph Embedding. Journal of Digital

Multishot person reidentification using joint group sparse representation. Journal of Electronic Imaging, 2018, 27, 1.

$$
2357 \text { Community Detection in Online Social Network Using Graph Embedding and Hierarchical Clustering. }
$$

Advances in Intelligent Systems and Computing, 2019, , 263-272.
Research on Visual Display Method of Virtual Experimental Elements Based on Big Data Technology.
2358 Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications
0.2

Engineering, 2019, , 22-31.
Construction Quality Inspection Method of Building Concrete Based on Big Data. Lecture Notes of the
Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 11-21.
0.2

0

Design of Power Intelligent Control DCS Module Based on Improved PID. Lecture Notes of the
2361 Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, ,
0.2 498-506.

2362
Discriminative sparsity graph embedding based on histogram of rotated princial orientation gradients.
Wuli Xuebao/Acta Physica Sinica, 2019, 68, 194202.
0

2364 Robust Embedding Regression for Face Recognition. Lecture Notes in Computer Science, 2019, , 102-113.
1.0

2365 Dimension Reduction of Arc Spectrum for Porosity Detection in P-GTAW Process. , 2020, , 111-136.

[^8]Towards Co-Evolution of Random-Walk-Based Embedding and Label Propagation for Node
Classification., 2020, , .

2377 Discrete embedding for attributed graphs. Pattern Recognition, 2022, 123, 108368.

Computer Vision for Autonomous UAV Flight Safety: An Overview and a Vision-based Safe Landing
Pipeline Example. ACM Computing Surveys, 2022, 54, 1-37.

2379 Tensor-Based Feature Learning. Information Fusion and Data Science, 2020, , 161-193.

Generalized Locally-Linear Embedding: A Neural Network Implementation. Communications in Computer and Information Science, 2020, , 97-106.

A Promising Nonlinear Dimensionality Reduction Method: Kernel-Based Within Class Collaborative
Preserving Discriminant Projection. IEEE Signal Processing Letters, 2020, 27, 2034-2038.

Nonlinear 12,p-norm based PCA for Anomaly Network Detection. Advances in Science, Technology and Engineering Systems, 2020, 5, 234-243.

Resource-aware Feature Extraction in Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2020, , 1-1.

Decision Support System for Black Classification of Dental Images Using GIST Descriptors. Advances in Intelligent Systems and Computing, 2020, , 343-352.

Pair-based Uncertainty and Diversity Promoting Early Active Learning for Person Re-identification.
ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-15.
2387 Polynomial approximation to manifold learning. Journal of Intelligent and Fuzzy Systems, 2021, , 1-19.

2388 Robust semi non-negative low-rank graph embedding algorithm via the L21 norm. Applied Intelligence, 0, , 1 .

Semisupervised collaborative representation graph embedding for hyperspectral imagery. Journal of Applied Remote Sensing, 2020, 14, 1.
2393 Classification Accuracy. , 0, , 91-109.

Robust locality preserving projections using angleâ€based adaptive weight method. IET Computer Vision, 2020, 14, 605-613.

> Multi-source domain adaptation with graph embedding and adaptive label prediction. Information

Processing and Management, 2020, 57, 102367.

Dimensionality Reduction and Classification of Hyperspectral Image via Multistructure Unified
Discriminative Embedding. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.
2.7

Medical diagnosis in Alzheimerâ€ ${ }^{T M}$ s disease based on supervised and semisupervised learning. , 2021, ,
2397 177-195.
0

Machine learning algorithm for feature space clustering of mixed data with missing information based on molecule similarity. Journal of Biomedical Informatics, 2022, 125, 103954.
2.5

2

Joint neighborhood preserving and projected clustering for feature extraction. Neurocomputing,
3.5

5
2400 2022, 488, 572-580.

Feature selection based on non-negative spectral feature learning and adaptive rank constraint.

Feedforward neural networks initialization based on discriminant learning. Neural Networks, 2022, 146, 220-229.

A node2vec-based graph embedding approach for unified assembly process information modeling and

Leaf images classification for the crops diseases detection. Multimedia Tools and Applications, 2022, 81, 8155-8178.

Graph Interpretation, Summarization and Visualization Techniques: A Review and Open Research Issues.
Multimedia Tools and Applications, 2023, 82, 8729-8771.

Learning-based shapelets discovery by feature selection for time series classification. Applied

Collaborative representation-based fuzzy discriminant analysis for Face recognition. Visual Computer, 2022, 38, 1383.

```
2428 Topological Analysis on Multi-scenario Graphs: Applications Toward Discerning Variability in
    SARS-CoV-2 and Topic Similarity in Research. , 2022, 7, 365.

Crossâ€modal retrieval based on deep regularized hashing constraints. International Journal of
2432 Graph-Embedding Balanced Transfer Subspace Learning for Hyperspectral Cross-Scene Classification.IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2944-2955.\(2.3 \quad 6\)
Unsupervised Dimensionality Reduction for Hyperspectral Imagery via Laplacian RegularizedCollaborative Representation Projection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.
2434 Graph Embedding With Data Uncertainty. IEEE Access, 2022, 10, 24232-24239. ..... 2.6 ..... 3An ABGE-aided manufacturing knowledge graph construction approach for heterogeneous IloT data

Manifold-Based Multi-Deep Belief Network for Feature Extraction of Hyperspectral Image. Remote
\begin{tabular}{|c|c|c|c|}
\hline \# & Article & IF & Citations \\
\hline 2443 & Coupled Projection Transfer Metric Learning for Cross-Session Emotion Recognition from EEG. Systems, 2022, 10, 47. & 1.2 & 7 \\
\hline 2444 & Multiview Gait Recognition Based on Slack Allocation Generation Adversarial Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-12. & 0.8 & 2 \\
\hline 2445 & Comparison of Manifold Learning Algorithms for Rapid Circuit Defect Extraction in SPICE-Augmented Machine Learning. , 2022, , . & & 3 \\
\hline 2446 & Multimedia Data Indexing. , 0, , 449-475. & & 1 \\
\hline 2449 & Multi-Manifold Deep Discriminative Cross-Modal Hashing for Medical Image Retrieval. IEEE Transactions on Image Processing, 2022, 31, 3371-3385. & 6.0 & 13 \\
\hline 2452 & Soft Subspace Fuzzy Clustering with Dimension Affinity Constraint. International Journal of Fuzzy Systems, 2022, 24, 2283-2301. & 2.3 & 3 \\
\hline 2453 & A method of air target recognition based on combined-rules. Journal of Physics: Conference Series, 2022, 2258, 012049. & 0.3 & 0 \\
\hline 2454 & Collaborative Representation Based Discriminant Local Preserving Projection. Neural Processing Letters, 2022, 54, 3999-4026. & 2.0 & 3 \\
\hline
\end{tabular}

2455 Weighted Graph Embedded Low-Rank Projection Learning for Feature Extraction. , 2022, , .

> 2456 Fault diagnosis of rotor based on Semi-supervised Multi-Graph Joint Embedding. ISA Transactions, \(2022,131,516-532\).
\(3.1 \quad 14\)

Graph optimization for unsupervised dimensionality reduction with probabilistic neighbors. Applied
Intelligence, 0, , 1.
3.3

1


Wasserstein-Based Projections with Applications to Inverse Problems. SIAM Journal on Mathematics of
2458 Data Science, 2022, 4, 581-603.
\(1.0 \quad 4\)

2459 Double information preserving canonical correlation analysis. Engineering Applications of Artificial
Intelligence, 2022, 112, 104870.
4.3

1

2460 A survey of structural representation learning for social networks. Neurocomputing, 2022, 496, 56-71.
3.5

5

2461 Classification of Claucoma Stages Using Image Empirical Mode Decomposition from Fundus Images. Journal of Digital Imaging, 2022, 35, 1283-1292.
1.6

4

2462 DSL-BC: Deep Subspace Learning With Boundary Consistency for Hyperspectral Image Classification.
2462 IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.
\(2.7 \quad 1\)
2.6
2467 Multi-dictionary induced low-rank representation with multi-manifold regularization. Applied


2472

Analyzing the Scientific Evolution of Face Recognition Research and Its Prominent Subfields. IEEE
Access, 2022, 10, 68175-68201.
2.6

3
2473 \begin{tabular}{l} 
Collaborative Multiple Rank Regression for Temperature Prediction of Blast Furnace. IEEE \\
Transactions on Instrumentation and Measurement, 2022, 71, 1-10.
\end{tabular}
2476

A novel SSD fault detection method using GRU-based Sparse Auto-Encoder for dimensionality reduction. Journal of Intelligent and Fuzzy Systems, 2022, 43, 4929-4946.
\(0.8 \quad 1\)
\(2477 \begin{aligned} & \text { Supervised learning of explicit maps with ability to correct distortions in the target output for } \\ & \text { manifold learning. Information Sciences, 2022, , . }\end{aligned}\)
4.00
.
0

Locality-Aware Discriminative Subspace Learning for Image Classification. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.
\(2.4 \quad 1\)
\(0.4 \quad 0\)
2480 Research on Multi-Modal Image Target Recognition Based on Asynchronous Depth Reinforcement
Learning. Automatic Control and Computer Sciences, 2022, 56, 253-260.

Latent Low-Rank Projection Learning with Graph Regularization for Feature Extraction of
1.8

Hyperspectral Images. Remote Sensing, 2022, 14, 3078.
0
2481

A Spatialâ€"Spectral Combination Method for Hyperspectral Band Selection. Remote Sensing, 2022, 14,
1.8

4

Towards fusing fuzzy discriminative projection and representation learning for image classification. Engineering Applications of Artificial Intelligence, 2022, 114, 105137.

Domain adaptive subspace transfer model for sensor drift compensation in biologically inspired

Unsupervised dimensionality reduction by jointing dynamic hypergraph and low-rank embedding for

Neighborhood graph embedding interpretable fault diagnosis network based on local and non-local
LRTCLS: low-rank tensor completion with Laplacian smoothing regularization for unveiling the2490 post-transcriptional machinery of \(\langle i\rangle N</ i\rangle 6\)-methylation (m6A)-mediated diseases. Briefings in\(3.2 \quad 1\)Bioinformatics, 2022, 23, .
Dual local learning regularized NMF with sparse and orthogonal constraints. Applied Intelligence,2023, 53, 7713-7727.
\(2492 \begin{aligned} & \text { Pathological Voic } \\ & 2022,12,8129 .\end{aligned}\) classification. Knowledge-Based Systems, 2022, 253, 109563.
Deep attributed network representation learning via attribute enhanced neighborhood.
Neurocomputing, 2022, 508, 170-181.1.31
\(4.0 \quad 3\)
Low-rank 2D local discriminant graph embedding for robust image feature extraction. PatternRecognition, 2023, 133, 109034.5.115
2496 Graph-embedded subspace support vector data description. Pattern Recognition, 2023, 133, 108999. 5.1 ..... 5Fuzzy Discriminative Block Representation Learning for Image Feature Extraction. IEEE Transactions on6.00
Image Processing, 2022, 31, 4994-5008.
\(5.6 \quad 1\)

Discriminative Projection Learning With Adaptive Reversed Graph Embedding for Supervised and
2498 Semi-Supervised Dimensionality Reduction. IEEE Transactions on Circuits and Systems for Video
Technology, 2022, 32, 8688-8702.
A Unified Framework Based on Graph Consensus Term for Multiview Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3964-3977.

Integrating Constraints into Dimensionality Reduction for Visualization: a Survey. IEEE Transactions on Artificial Intelligence, 2022, , 1-19.

Graph Representation Learning Meets Computer Vision: A Survey. IEEE Transactions on Artificial Intelligence, 2023, 4, 2-22.
2504 \begin{tabular}{l} 
Class-Oriented Self-Learning Graph Embedding for Image Compact Representation. IEEE Transaction \\
Circuits and Systems for Video Technology, 2023, 33, 74-87.
\end{tabular}
2505 \begin{tabular}{l} 
Laplacian Regularized Spatial-Aware Collaborative Competitive Representation for Hyperspectral \\
Dimensionality Reduction. , 2022, , .
\end{tabular}

Dual collaborative representation based discriminant projection for face recognition. Computers and Electrical Engineering, 2022, 102, 108281.
\(3.0 \quad 1\)

\section*{2506}

Effective weight function in graphs-based discriminant neighborhood embedding. International Journal of Machine Learning and Cybernetics, 0, , .

2508 A novel circRNA-miRNA association prediction model based on structural deep neural network embedding. Briefings in Bioinformatics, 2022, 23, .
3.2

18

A Smoothed Matrix Multivariate Elliptical Distribution-Based Projection Method for Feature
Extraction. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.
\(1.1 \quad 1\)

2510 Feature extraction framework based on contrastive learning with adaptive positive and negative samples. Neural Networks, 2022, , .
3.3

1

\section*{2511 Consistent affinity representation learning with dual low-rank constraints for multi-view subspace} clustering. Neurocomputing, 2022, 514, 113-126.

2512 EEG-Based Driver Mental Fatigue Recognition in COVID-19 Scenario Using a Semi-Supervised Multi-View
Embedding Learning Model. IEEE Transactions on Intelligent Transportation Systems, 2024, 25, 859-868.
2513 Heterogeneous Adaptive Denoising Networks forÂRecommendation. Communications in Computer and Information Science, 2022, , 30-43.
0.4

0
2514 Discriminative and Geometry-Preserving Adaptive Graph Embedding for dimensionality reduction.

Neural Networks, 2023, 157, 364-376.
\(3.3 \quad 7\)

Unified feature extraction framework based on contrastive learning. Knowledge-Based Systems, 2022,
4.0

258, 110028.
2
2516 Fair Benchmark for Unsupervised Node Representation Learning. Algorithms, 2022, 15, 379. ..... 1.2

0

A Resource-Efficient Feature Extraction Framework for Image Processing in IoT Devices. IEEE Transactions on Mobile Computing, 2024, 23, 42-55.

DrugnomeAl is an ensemble machine-learning framework for predicting druggability of candidate drug

Dimensionality reduction using local-global standard hypergraph embedding for rotor fault diagnosis. Measurement Science and Technology, 2023, 34, 034006.
Stretching Deep Architectures: A Deep Learning Method without Back-Propagation Optimization.

2546 Feature Learning for Nonlinear Dimensionality Reduction toward Maximal Extraction of Hidden Patterns. , 2023, , .

2548 Machine learning and biophysical models: how to benefit each other?. , 2023, , 147-164.
0

Research on Re-recognition Method of Multi-branch Fusion Attention Mechanism for Occluded Pedestrian. , 2023, , .

\section*{2565 Dynamic Graph Learning for Feature Projection. Synthesis Lectures on Computer Science, 2024, , 15-32.}
0.3

0

2579 Nonlinear Manifold Learning viaÂGraph Curvature. Communications in Computer and Information
Science, 2023, , 283-297.
0.4

Robust Subspace Learning withÂDouble Graph Embedding. Lecture Notes in Computer Science, 2024, ,
126-137.

Topological Deformation Learning: Nonlinear Dimension Reduction by Autonomous Evolving of Data Manifold. , 2023, , .

Grassmann Graph Embedding forÂFew-Shot Class Incremental Learning. Lecture Notes in Computer Science, 2024, , 179-191.

2592 Discovery of Disease Evolution by Graph Curvature. , 2023, , .
0```


[^0]:    251 A set of co-occurrence matrices on the intrinsic manifold of human silhouettes for action recognition. , 2010, , .

[^1]:    346 Gaussian kernel optimization: Complex problem and a simple solution. Neurocomputing, 2011, 74,
    3816-3822.

[^2]:    364Manifold elastic net: a unified framework for sparse dimension reduction. Data Mining andKnowledge Discovery, 2011, 22, 340-371.

[^3]:    382
    Nearest-neighbor classifier motivated marginal discriminant projections for face recognition.
    Frontiers of Computer Science, 2011, 5, 419-428.

[^4]:    1002
    Latent space robust subspace segmentation based on low-rank and locality constraints. Expert Systems With Applications, 2015, 42, 6598-6608.

[^5]:    1092
    Constructing $\$ \$ L^{\prime}\{1\} \$ \$$ L 1 -graphs for subspace learning via recurrent neural networks. Pattern
    Analysis and Applications, 2015, 18, 817-828.

[^6]:    1292Multi-manifold Sparse Graph Embedding for Multiâ€modal Image Classification. Neurocomputing, 2016,
    $173,501-510$.

[^7]:    1382 Nonnegative low-rank representation based manifold embedding for semi-supervised learning.
    Knowledge-Based Systems, 2017, 136, 121-129.

[^8]:    2367
    Research Progress on Key Technologies of Radar Signal Sorting. Advances in Intelligent Systems and
    Computing, 2020, , 773-779.

