

Laplacian Eigenmaps for Dimensionality Reduction and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Fast stochastic neighbor embedding: a trust-region algorithm. , 0, , .		3
2	Non-commutative harmonic analysis in multi-object tracking. , 0, , 277-294.		2
3	A kernel view of the dimensionality reduction of manifolds. , 2004, , .		323
4	Exploratory analysis and visualization of speech and music by locally linear embedding. , 0, , .		26
5	Shot boundary detection based on laplacian eigenmaps. , 0, , .		2
6	The Principal Components Analysis of a Graph, and Its Relationships to Spectral Clustering. Lecture Notes in Computer Science, 2004, , 371-383.	1.3	109
7	Learning Eigenfunctions Links Spectral Embedding and Kernel PCA. Neural Computation, 2004, 16, 2197-2219.	2.2	246
8	Semi-Supervised Learning on Riemannian Manifolds. Machine Learning, 2004, 56, 209-239.	5.4	536
9	Principal manifolds and nonlinear dimensionality reduction via tangent space alignment. Journal of Shanghai University, 2004, 8, 406-424.	0.1	162
10	Unsupervised learning of image manifolds by semidefinite programming. , 0, , .		55
11	Volatile Metabolic Monitoring of Glycemic Status in Diabetes Using Electronic Olfaction. Diabetes Technology and Therapeutics, 2004, 6, 534-544.	4.4	40
12	Nonlinear dimension reduction of fMRI data: the laplacian embedding approach. , 0, , .		9
13	Nearest manifold approach for face recognition. , 0, , .		21
14	Visualizing High Dimensional Datasets Using Partiview. , 0, , .		1
15	Super-resolution through neighbor embedding. , 0, , .		1,128
16	COMPSTAT 2004 " Proceedings in Computational Statistics. , 2004, , .		5
17	Principal Manifolds and Nonlinear Dimensionality Reduction via Tangent Space Alignment. SIAM Journal of Scientific Computing, 2004, 26, 313-338.	2.8	1,181
18	Learning a kernel matrix for nonlinear dimensionality reduction. , 2004, , .		301

#	ARTICLE	IF	CITATIONS
19	Learning with Cascade for Classification of Non-Convex Manifolds. , 0, , .		2
20	Graph matching using spectral embedding and alignment. , 2004, , .		4
21	Biorthogonal diffusion wavelets for multiscale representations on manifolds and graphs. , 2005, , .		19
22	Diffusion-driven multiscale analysis on manifolds and graphs: top-down and bottom-up constructions. , 2005, , .		27
23	A semi-supervised framework for mapping data to the intrinsic manifold. , 2005, , .		3
24	Shot boundary classification by temporal pattern discovery from Laplacian eigenmap. Electronics Letters, 2005, 41, 958.	1.0	0
25	Learning Appearance Manifolds from Video. , 0, , .		46
26	Tangent-Corrected Embedding. , 0, , .		4
27	A better scaled local tangent space alignment algorithm. , 0, , .		7
28	Approximating a Gram Matrix for Improved Kernel-Based Learning. Lecture Notes in Computer Science, 2005, , 323-337.	1.3	43
29	Improving dimensionality reduction with spectral gradient descent. Neural Networks, 2005, 18, 702-710.	5.9	4
30	Dimensionality reduction and visualization of geoscientific images via locally linear embedding. Computers and Geosciences, 2005, 31, 689-697.	4.2	8
31	Geometric diffusions for the analysis of data from sensor networks. Current Opinion in Neurobiology, 2005, 15, 576-584.	4.2	14
32	Tools for application-driven linear dimension reduction. Neurocomputing, 2005, 67, 136-160.	5.9	23
33	Nonlinear dimensionality reduction of data manifolds with essential loops. Neurocomputing, 2005, 67, 29-53.	5.9	71
34	SpectralNET—an application for spectral graph analysis and visualization. BMC Bioinformatics, 2005, 6, 260.	2.6	26
35	A Theoretical and Computational Framework for Isometry Invariant Recognition of Point Cloud Data. Foundations of Computational Mathematics, 2005, 5, 313-347.	2.5	232
36	Boosting Multiple Classifiers Constructed by Hybrid Discriminant Analysis. Lecture Notes in Computer Science, 2005, , 42-52.	1.3	5

#	ARTICLE	IF	CITATIONS
37	Graph-Theoretic Scagnostics. , 0, , .		41
38	Analysis of Event-Related fMRI Data Using Diffusion Maps. Lecture Notes in Computer Science, 2005, 19, 652-663.	1.3	10
39	Graph based multi-modality learning. , 2005, , .		81
40	Estimating manifold dimension by inversion error. , 2005, , .		5
41	Graph-theoretic scagnostics. , 0, , .		90
42	Face Recognition Using OPRA-Faces. , 0, , .		4
43	Embedding via clustering: using spectral information to guide dimensionality reduction. , 0, , .		1
44	Driver activity monitoring through supervised and unsupervised learning. , 0, , .		14
45	Fundamentals, Challenges, and Advances of Statistical Learning for Knowledge Discovery and Problem Solving: A BYY Harmony Perspective. , 0, , .		0
46	Classification Constrained Dimensionality Reduction. , 0, , .		7
47	LPP/QR for under-sampled image recognition. , 2005, , .		1
48	A robust generalization of isomap for new data. , 2005, , .		7
49	Adaptive neighborhoods for manifold learning-based sensor localization. , 0, , .		4
50	OPTICAL IMAGING AND CONTROL OF GENETICALLY DESIGNATED NEURONS IN FUNCTIONING CIRCUITS. Annual Review of Neuroscience, 2005, 28, 533-563.	10.7	132
51	Towards a Theoretical Foundation for Laplacian-Based Manifold Methods. Lecture Notes in Computer Science, 2005, , 486-500.	1.3	74
52	Comparison of Systems using Diffusion Maps. , 0, , .		5
53	Pattern vectors from algebraic graph theory. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1112-1124.	13.9	172
54	Principal surfaces from unsupervised kernel regression. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1379-1391.	13.9	51

#	ARTICLE	IF	CITATIONS
55	Geometric Methods for Feature Extraction and Dimensional Reduction. , 2005, , 59-91.		42
56	Orthogonal Neighborhood Preserving Projections. , 0, , .		34
57	Markerless Motion Capture using Multiple Cameras. , 0, , .		29
58	A statistical framework for natural feature representation. , 2005, , .		8
59	Fast Computational Methods for Visually Guided Robots. , 0, , .		11
60	A stochastic model for natural feature representation. , 2005, , .		4
61	Optimization Approaches for Semi-Supervised Learning. , 0, , .		2
62	Mesh Parameterization for an Open Connected Surface without Partition. , 0, , .		2
63	Supervised Semi-Definite Embedding for Image Manifolds. , 0, , .		0
64	Coarse Master Equation from Bayesian Analysis of Replica Molecular Dynamics Simulationsâ€¢. Journal of Physical Chemistry B, 2005, 109, 6479-6484.	2.6	119
65	Geometric diffusions as a tool for harmonic analysis and structure definition of data: Diffusion maps. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7426-7431.	7.1	1,314
66	Self-Organizing Map Learning Nonlinearly Embedded Manifolds. Information Visualization, 2005, 4, 22-31.	1.9	9
68	Laplace-spectra as fingerprints for shape matching. , 2005, , .		118
69	Embedding Time Series Data for Classification. Lecture Notes in Computer Science, 2005, , 356-365.	1.3	25
72	On Dimensionality Reduction for Classification and its Application. , 0, , .		5
73	Face Recognition with Image Sets Using Hierarchically Extracted Exemplars from Appearance Manifolds. , 0, , .		11
74	Nonlinear Dimension Reduction and Activation Detection for fMRI Dataset. , 0, , .		2
75	Manifold embedding for understanding mechanisms of transcriptional regulation. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
76	Globalizing Local Neighborhood for Locally Linear Embedding. , 2006, , .		7
77	Diffusion maps and coarse-graining: a unified framework for dimensionality reduction, graph partitioning, and data set parameterization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1393-1403.	13.9	472
78	Data Fusion and Multicue Data Matching by Diffusion Maps. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1784-1797.	13.9	269
79	Incremental nonlinear dimensionality reduction by manifold learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 377-391.	13.9	233
80	High-Dimensional Visual Analytics: Interactive Exploration Guided by Pairwise Views of Point Distributions. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 1363-1372.	4.4	84
81	Detection of signal synchronizations in resting-state fMRI datasets. NeuroImage, 2006, 29, 321-327.	4.2	69
82	Spectral Dimensionality Reduction. Studies in Fuzziness and Soft Computing, 2006, , 519-550.	0.8	14
83	Graph Embedded Analysis for Head Pose Estimation. , 0, , .		34
86	Face Recognition Based on Supervised Kernel Isomap. , 2006, , .		3
87	Impact of Dynamics on Subspace Embedding and Tracking of Sequences. , 0, , .		6
88	Laplaceâ€“Beltrami spectra as â€“Shape-DNAâ€™ of surfaces and solids. CAD Computer Aided Design, 2006, 38, 342-366.	2.7	608
89	Spectral independent component analysis. Applied and Computational Harmonic Analysis, 2006, 21, 135-144.	2.2	24
90	Diffusion wavelets. Applied and Computational Harmonic Analysis, 2006, 21, 53-94.	2.2	527
91	Equation-free, coarse-grained computational optimization using timesteppers. Chemical Engineering Science, 2006, 61, 779-793.	3.8	20
92	A spectral approach to learning structural variations in graphs. Pattern Recognition, 2006, 39, 1188-1198.	8.1	23
93	Selection of the optimal parameter value for the Isomap algorithm. Pattern Recognition Letters, 2006, 27, 968-979.	4.2	112
94	The Cauchyâ€“Schwarz divergence and Parzen windowing: Connections to graph theory and Mercer kernels. Journal of the Franklin Institute, 2006, 343, 614-629.	3.4	73
95	Gaussian fields for semi-supervised regression and correspondence learning. Pattern Recognition, 2006, 39, 1864-1875.	8.1	22

#	ARTICLE	IF	CITATIONS
96	Data-driven facial animation based on manifold Bayesian regression. Journal of Zhejiang University: Science A, 2006, 7, 556-563.	2.4	3
97	Unsupervised Learning of Image Manifolds by Semidefinite Programming. International Journal of Computer Vision, 2006, 70, 77-90.	15.6	482
98	PARAMAP vs. Isomap: A Comparison of Two Nonlinear Mapping Algorithms. Journal of Classification, 2006, 23, 221-254.	2.2	27
99	Dynamic stills and clip trailers. Visual Computer, 2006, 22, 642-652.	3.5	32
100	Robust locally linear embedding. Pattern Recognition, 2006, 39, 1053-1065.	8.1	145
101	Fast multiscale clustering and manifold identification. Pattern Recognition, 2006, 39, 1876-1891.	8.1	55
102	Diffusion maps, spectral clustering and reaction coordinates of dynamical systems. Applied and Computational Harmonic Analysis, 2006, 21, 113-127.	2.2	440
103	From graph to manifold Laplacian: The convergence rate. Applied and Computational Harmonic Analysis, 2006, 21, 128-134.	2.2	207
104	Diffusion maps. Applied and Computational Harmonic Analysis, 2006, 21, 5-30.	2.2	1,979
105	Robust kernel discriminant analysis and its application to feature extraction and recognition. Neurocomputing, 2006, 69, 928-933.	5.9	6
106	Locally principal component learning for face representation and recognition. Neurocomputing, 2006, 69, 1697-1701.	5.9	11
107	Spectral embedding finds meaningful (relevant) structure in image and microarray data. BMC Bioinformatics, 2006, 7, 74.	2.6	14
108	Clustering-based Locally Linear Embedding. , 2006, , .		7
109	A Semi-supervised SVM for Manifold Learning. , 2006, , .		2
110	Image Tangent Space for Image Retrieval. , 2006, , .		3
111	Functional Feature Embedded Space Mapping of fMRI data. , 2006, 2006, 1014-7.		1
112	Modeling Correspondences for Multi-Camera Tracking Using Nonlinear Manifold Learning and Target Dynamics. , 0, , .		27
113	Unsupervised learning from a corpus for shape-based 3D model retrieval. , 2006, , .		25

#	ARTICLE	IF	CITATIONS
114	Maximum unfolded embedding. , 2006, , .		8
115	SUBSPACE LEARNING BASED ON LAPLACIAN EIGENMAPS AND LDA FOR FACE RECOGNITION. International Journal of Information Acquisition, 2006, 03, 45-51.	0.2	2
116	Fast direct policy evaluation using multiscale analysis of Markov diffusion processes. , 2006, , .		16
117	Visual data mining using principled projection algorithms and information visualization techniques. , 2006, , .		5
118	A duality view of spectral methods for dimensionality reduction. , 2006, , .		26
119	Label propagation through linear neighborhoods. , 2006, , .		184
120	Regularized Local Discriminant Embedding. , 0, , .		0
122	Gene regulatory networks: A coarse-grained, equation-free approach to multiscale computation. Journal of Chemical Physics, 2006, 124, 084106.	3.0	67
123	Unsupervised Discriminant Projection Analysis for Feature Extr. , 2006, , .		6
124	Tensor Voting: A Perceptual Organization Approach to Computer Vision and Machine Learning. Synthesis Lectures on Image, Video, and Multimedia Processing, 2006, 2, 1-136.	0.9	59
125	Kernel Density Estimation, Affinity-Based Clustering, And Typical Cuts. , 0, , .		1
126	Early Detection of Rejection in Cardiac MRI: A Spectral Graph Approach. , 0, , .		2
127	Nonlinear Classification of EEG Data for Seizure Detection. , 0, , .		3
128	Distance-Based Shape Statistics. , 0, , .		8
129	Statistics and Analysis of Shapes. Modeling and Simulation in Science, Engineering and Technology, 2006, , .	0.6	20
130	A Novel Visual Perception Framework. , 2006, , .		1
131	Good Continuation in Layers: Shading flows, color flows, surfaces and shadows. , 0, , .		0
132	Heat Kernel Smoothing of Scalar and Vector Image Data. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
133	Intrinsic Fourier Analysis on the Manifold of Speech Sounds. , 0, , .		42
134	Segmentation and Probabilistic Registration of Articulated Body Models. , 2006, , .		10
135	"Non-locality" Preserving Projection and Its Application to Palmprint Recognition. , 2006, , .		3
136	Local Fisher discriminant analysis for supervised dimensionality reduction. , 2006, , .		252
137	An Incremental Algorithm Based on K Nearest Neighbor Projection for Nonlinear Dimensionality Reduction. , 2006, , .		1
138	An Improved Manifold Learning Algorithm for Data Visualization. , 2006, , .		4
139	Visualization of Non-vectorial Data Using Twin Kernel Embedding. , 2006, , .		8
140	Nonlinear Dimensionality Reduction on 3-D Protein Image Analysis. , 2006, , .		0
141	Face Recognition using Laplacian+OPRA-faces. , 2006, , .		3
143	MANIFOLD LEARNING FOR ROBOT NAVIGATION. International Journal of Neural Systems, 2006, 16, 383-392.	5.2	8
144	Feature representation based on intrinsic structure discovery in high dimensional space. , 0, , .		6
145	A Comprehensive Empirical Study on Linear Subspace Methods for Facial Expression Analysis. , 0, , .		20
146	Dynamic Appearance Modeling for Human Tracking. , 0, , .		20
147	Low-dimensional, free-energy landscapes of protein-folding reactions by nonlinear dimensionality reduction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9885-9890.	7.1	293
148	Local Discriminant Analysis. , 2006, , .		6
149	Linear Laplacian Discrimination for Feature Extraction. , 2007, , .		41
150	Extracting Knowledge to Predict TSP Asymptotic Time Complexity. , 2007, , .		0
151	Learning High Dimensional Correspondences Based on Maximum Variance Unfolding. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
152	Shape Priors using Manifold Learning Techniques. , 2007, , .		51
153	Coarse-grained dynamics of an activity bump in a neural field model. Nonlinearity, 2007, 20, 2127-2146.	1.4	39
154	Defining functional distance using manifold embeddings of gene ontology annotations. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11334-11339.	7.1	34
155	Discriminant Additive Tangent Spaces for Object Recognition. , 2007, , .		1
156	Robust non-linear dimensionality reduction using successive 1-dimensional Laplacian Eigenmaps. , 2007, , .		24
157	Regression on manifolds using kernel dimension reduction. , 2007, , .		59
158	Nonlinear adaptive distance metric learning for clustering. , 2007, , .		46
159	Local embeddings of metric spaces. , 2007, , .		11
160	Neighbor search with global geometry. , 2007, , .		15
161	3D model representation using adaptive volumetric extended Gaussian image. , 2007, , .		3
162	Learning semantic categories for 3D model retrieval. , 2007, , .		24
163	Embracing Statistical Challenges in the Information Technology Age. Technometrics, 2007, 49, 237-248.	1.9	14
164	An Evaluated Model Based on the Variance of Distance Ratios for Nonlinear Dimensionality Reduction Algorithms. , 2007, , .		1
165	Extension of Mutual Subspace Method for Low Dimensional Feature Projection. , 2007, , .		3
166	Conformal Embedding Analysis with Local Graph Modeling on the Unit Hypersphere. , 2007, , .		28
167	Laplacianfaces incorporated inside nonnegative matrix factorization for face recognition. , 2007, , .		0
168	Unsupervised Locally Embedded Clustering for Automatic High-Dimensional Data Labeling. , 2007, , .		6
169	Projection onto a Shape Manifold for Image Segmentation with Prior. , 2007, , .		9

#	ARTICLE	IF	CITATIONS
170	The rendezvous algorithm. , 2007, , .		58
171	Learning to compress images and videos. , 2007, , .		44
172	DiffusionRank. , 2007, , .		59
173	Ranking with semi-supervised distance metric learning and its application to housing potential estimation. , 2007, , .		0
174	Diffusion maps-based image clustering. , 2007, , .		1
175	Variable-free exploration of stochastic models: A gene regulatory network example. Journal of Chemical Physics, 2007, 126, 155103.	3.0	50
176	Regularized clustering for documents. , 2007, , .		30
177	Embeddings of surfaces, curves, and moving points in euclidean space. , 2007, , .		17
178	A transductive framework of distance metric learning by spectral dimensionality reduction. , 2007, , .		11
179	Transductive regression piloted by inter-manifold relations. , 2007, , .		4
180	Recognising and Modelling Landmarks to Close Loops in Outdoor SLAM. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	34
181	Adaptive Distance Metric Learning for Clustering. , 2007, , .		80
182	Low Dimensional Representations of MEG/EEG Data Using Laplacian Eigenmaps. , 2007, , .		10
183	Twin Kernel Embedding with Back Constraints. , 2007, , .		5
184	A Novel Hybrid Real-Valued Genetic Algorithm for Optimization Problems. , 2007, , .		7
185	A new nonlinear dimensionality reduction method with application to hyperspectral image analysis. , 2007, , .		13
186	A Novel Local Features-Based Approach for Clustering Microarray Data. , 2007, , .		1
187	Dimensionality Reduction of Hyperspectral Data Based on ISOMAP Algorithm. , 2007, , .		6

#	ARTICLE	IF	CITATIONS
188	Incremental Hessian Locally Linear Embedding algorithm. , 2007, , .		6
189	Semi-supervised Learning on Semantic Manifold for Event Analysis in Dynamic Scenes. , 2007, , .		0
190	Biased Manifold Embedding: A Framework for Person-Independent Head Pose Estimation. , 2007, , .		123
191	Validation of low-dimensional models using diffusion maps and harmonic averaging. , 2007, , .		1
192	Inferring Local Homology from Sampled Stratified Spaces. , 2007, , .		36
193	State-dependent probabilistic model reduction for evaluation of human-robotic autonomous systems. , 2007, , .		1
194	Speaker Accent Classification Using Distance Metric Learning Approach. , 2007, , .		3
195	Nonlinear Dimensionality Reduction. , 2007, , .		807
196	Localized versus Locality-Preserving Subspace Projections for Face Recognition. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-8.	2.6	4
197	A mathematical tool for exploring the dynamics of biological networks. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19169-19174.	7.1	34
198	Diffusion Maps Segmentation of Magnetic Resonance Q-Ball Imaging. , 2007, , .		1
199	Kernel uncorrelated neighborhood discriminative embedding for feature extraction. Optical Engineering, 2007, 46, 120502.	1.0	0
200	Person-Independent Head Pose Estimation Using Biased Manifold Embedding. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.7	23
201	Distributed Event Region Detection in Wireless Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.7	4
202	Automated discrimination of shapes in high dimensions. , 2007, , .		3
203	Laplacian Affinity Propagation for Semi-Supervised Object Classification. Proceedings International Conference on Image Processing, 2007, , .	0.0	2
204	3D surface parameterization using manifold learning for medial shape representation. , 2007, , .		1
205	Probability-Based Locally Linear Embedding for Classification. , 2007, , .		14

#	ARTICLE	IF	CITATIONS
206	Kernel Methods in Computer Vision. Foundations and Trends in Computer Graphics and Vision, 2007, 4, 193-285.	4.5	75
207	Learning to Transform Time Series with a Few Examples. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1759-1775.	13.9	15
208	Globally Maximizing, Locally Minimizing: Unsupervised Discriminant Projection with Applications to Face and Palm Biometrics. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 650-664.	13.9	469
209	Clustering and Embedding Using Commute Times. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1873-1890.	13.9	179
210	Orthogonal Neighborhood Preserving Projections: A Projection-Based Dimensionality Reduction Technique. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2143-2156.	13.9	263
211	Distance Preserving Dimension Reduction Using the QR Factorization or the Cholesky Factorization. , 2007, , .		1
212	Random-Walk Computation of Similarities between Nodes of a Graph with Application to Collaborative Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 355-369.	5.7	925
213	Image Hallucination Using Neighbor Embedding over Visual Primitive Manifolds. , 2007, , .		91
214	Selection of the Suitable Neighborhood Size for the ISOMAP Algorithm. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	9
215	Improved Locally Linear Embedding by Cognitive Geometry. Lecture Notes in Computer Science, 2007, , 317-325.	1.3	0
218	Pairwise Constraints-Guided Non-negative Matrix Factorization for Document Clustering. , 2007, , .		12
219	Representations of Streetscape Perceptions Through Manifold Learning in the Space of Hough Arrays. , 2007, , .		3
220	Lipreading by Locality Discriminant Graph. , 2007, , .		15
221	Hierarchical Structuring of Data on Manifolds. , 2007, , .		4
222	Two manifold learning techniques for sensor localization. , 2007, , .		3
223	Generating Interactive 3-D Models for Discrete-Event Modeling Formalisms. , 2007, , .		0
224	The Laplacian Classifier. IEEE Transactions on Signal Processing, 2007, 55, 3262-3271.	5.3	11
225	A quantitative method for comparing trajectories of mobile robots using point distribution models. , 2007, , .		14

#	ARTICLE	IF	CITATIONS
226	DD-HDS: A Method for Visualization and Exploration of High-Dimensional Data. IEEE Transactions on Neural Networks, 2007, 18, 1265-1279.	4.2	55
227	Development of Unit Calculation Algebra as an Application Function of the Cellular Data System. , 2007, , .		1
228	Fast Forecasting with Simplified Kernel Regression Machines. , 2007, , .		5
229	A simultaneous two-level clustering algorithm for automatic model selection. , 2007, , .		16
230	IMD-Isomap for Data Visualization and Classification. , 2007, , .		4
231	Spatially Coherent Nonlinear Dimensionality Reduction and Segmentation of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 206-210.	3.1	102
232	Manifold clustering via energy minimization. , 2007, , .		11
233	Face Recognition Using Topology Preserving Nonnegative Matrix Factorization. , 2007, , .		0
234	Dimensionality reduction techniques for data exploration. , 2007, , .		21
235	Feature Extraction Using Sequential Semidefinite Programming. , 2007, , .		2
236	Image Clustering Using Visual and Text Keywords. , 2007, , .		3
237	An application study of manifold learning-ranking techniques in face recognition. , 2007, , .		1
238	Classification of potential nuclei in prostate histology images using shape manifold learning. , 2007, , .		8
239	Manifold Learning using Growing Locally Linear Embedding. , 2007, , .		4
240	Intrinsic Dimensionality Estimation with Neighborhood Convex Hull. , 2007, , .		2
241	Learning Out-Of Sample Mapping in Non-Vectorial Data Reduction using Constrained Twin Kernel Embedding. , 2007, , .		1
242	Laplacian PCA and Its Applications. , 2007, , .		38
243	Diagnostic Pathology and Laboratory Medicine in the Age of "Omics". Journal of Molecular Diagnostics, 2007, 9, 431-436.	2.8	19

#	ARTICLE	IF	CITATIONS
244	Active-Contour-Based Image Segmentation Using Machine Learning Techniques. , 2007, 10, 891-899.		14
245	Non-linear Dimensionality Reduction Procedures for Certain Large-Dimensional Multi-objective Optimization Problems: Employing Correntropy and a Novel Maximum Variance Unfolding. , 2007, , 772-787.		72
246	Fast Multilevel Transduction on Graphs. , 2007, , .		6
247	Distance Preserving Dimension Reduction for Manifold Learning. , 2007, , .		12
248	Denoising Aerial Gamma-Ray Survey Data With Non-Linear Dimensionality Reduction. ASEG Extended Abstracts, 2007, 2007, 1-1.	0.1	1
249	Sequential nonlinear manifold learning. Intelligent Data Analysis, 2007, 11, 203-222.	0.9	1
250	Performance evaluation of dimensionality reduction techniques for multispectral images. International Journal of Imaging Systems and Technology, 2007, 17, 202-217.	4.1	4
251	Classifiers for driver activity monitoring. Transportation Research Part C: Emerging Technologies, 2007, 15, 51-67.	7.6	36
252	Robust kernel Isomap. Pattern Recognition, 2007, 40, 853-862.	8.1	136
253	Graph embedding using tree edit-union. Pattern Recognition, 2007, 40, 1393-1405.	8.1	35
254	Latent semantic analysis and Fiedler retrieval. Linear Algebra and Its Applications, 2007, 421, 345-355.	0.9	17
255	Non-linear dimensionality reduction of signaling networks. BMC Systems Biology, 2007, 1, 27.	3.0	17
256	Complexity of type 2 diabetes mellitus data sets emerging from nutrigenomic research: A case for dimensionality reduction?. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 622, 19-32.	1.0	25
257	2D-LPP: A two-dimensional extension of locality preserving projections. Neurocomputing, 2007, 70, 912-921.	5.9	156
258	Robust self-tuning semi-supervised learning. Neurocomputing, 2007, 70, 2931-2939.	5.9	19
259	Variants of unsupervised kernel regression: General cost functions. Neurocomputing, 2007, 70, 1289-1303.	5.9	19
260	A circuit framework for robust manifold learning. Neurocomputing, 2007, 71, 323-332.	5.9	4
261	Denoising aerial gamma-ray surveying through non-linear dimensionality reduction. Journal of Field Robotics, 2007, 24, 849-861.	6.0	3

#	ARTICLE	IF	CITATIONS
262	An equation-free approach to analyzing heterogeneous cell population dynamics. Journal of Mathematical Biology, 2007, 55, 331-352.	1.9	18
263	A tutorial on spectral clustering. Statistics and Computing, 2007, 17, 395-416.	1.5	6,927
264	A new algorithm of non-Gaussian component analysis with radial kernel functions. Annals of the Institute of Statistical Mathematics, 2007, 59, 57-75.	0.8	19
265	Nonlinear dimensionality reduction and data visualization: A review. International Journal of Automation and Computing, 2007, 4, 294-303.	4.5	38
266	Non-linear independent component analysis with diffusion maps. Applied and Computational Harmonic Analysis, 2008, 25, 226-239.	2.2	140
267	A survey of kernel and spectral methods for clustering. Pattern Recognition, 2008, 41, 176-190.	8.1	671
268	Beyond FCM: Graph-theoretic post-processing algorithms for learning and representing the data structure. Pattern Recognition, 2008, 41, 2630-2644.	8.1	16
269	Locally linear discriminant embedding: An efficient method for face recognition. Pattern Recognition, 2008, 41, 3813-3821.	8.1	226
270	Iterative Denoising. Computational Statistics, 2008, 23, 497-517.	1.5	3
271	Learning and approximation by Gaussians on Riemannian manifolds. Advances in Computational Mathematics, 2008, 29, 291-310.	1.6	28
272	Towards a theoretical foundation for Laplacian-based manifold methods. Journal of Computer and System Sciences, 2008, 74, 1289-1308.	1.2	280
273	Feature extraction using constrained maximum variance mapping. Pattern Recognition, 2008, 41, 3287-3294.	8.1	120
274	Multivariate statistical process control based on multiway locality preserving projections. Journal of Process Control, 2008, 18, 797-807.	3.3	81
275	Supervised kernel neighborhood preserving projections for radar target recognition. Signal Processing, 2008, 88, 2335-2339.	3.7	21
276	Locally adaptive subspace and similarity metric learning for visual data clustering and retrieval. Computer Vision and Image Understanding, 2008, 110, 390-402.	4.7	26
277	WireWarping: A fast surface flattening approach with length-preserved feature curves. CAD Computer Aided Design, 2008, 40, 381-395.	2.7	22
278	Diffusion polynomial frames on metric measure spaces. Applied and Computational Harmonic Analysis, 2008, 24, 329-353.	2.2	71
279	Data analysis and representation on a general domain using eigenfunctions of Laplacian. Applied and Computational Harmonic Analysis, 2008, 25, 68-97.	2.2	52

#	ARTICLE	IF	CITATIONS
280	Statistical monitoring of fed-batch process using dynamic multiway neighborhood preserving embedding. Chemometrics and Intelligent Laboratory Systems, 2008, 90, 195-203.	3.5	76
281	Quasi-isometric parameterization for texture mapping. Pattern Recognition, 2008, 41, 1732-1743.	8.1	10
282	Orthogonal neighborhood preserving discriminant analysis for face recognition. Pattern Recognition, 2008, 41, 2045-2054.	8.1	77
283	Graph spectral image smoothing using the heat kernel. Pattern Recognition, 2008, 41, 3328-3342.	8.1	203
284	Supervised dimensionality reduction via sequential semidefinite programming. Pattern Recognition, 2008, 41, 3644-3652.	8.1	27
285	Noisy manifold learning using neighborhood smoothing embedding. Pattern Recognition Letters, 2008, 29, 1613-1620.	4.2	23
286	Semi-supervised sub-manifold discriminant analysis. Pattern Recognition Letters, 2008, 29, 1806-1813.	4.2	31
287	A remark on global positioning from local distances. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9507-9511.	7.1	80
288	Spectral Conformal Parameterization. Computer Graphics Forum, 2008, 27, 1487-1494.	3.0	90
289	Classification and Feature Extraction by Simplexization. IEEE Transactions on Information Forensics and Security, 2008, 3, 91-100.	6.9	69
290	Automatic Detection of Regional Heart Rejection in USPIO-Enhanced MRI. IEEE Transactions on Medical Imaging, 2008, 27, 1095-1106.	8.9	14
291	Tensor Rank One Discriminant Analysis—A convergent method for discriminative multilinear subspace selection. Neurocomputing, 2008, 71, 1866-1882.	5.9	93
292	Diffusion Maps - a Probabilistic Interpretation for Spectral Embedding and Clustering Algorithms. Lecture Notes in Computational Science and Engineering, 2008, , 238-260.	0.3	26
293	Beyond Traditional Kernels: Classification in Two Dissimilarity-Based Representation Spaces. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 729-744.	2.9	27
294	Heteroscedastic Low-Rank Matrix Approximation by the Wiberg Algorithm. IEEE Transactions on Signal Processing, 2008, 56, 1429-1439.	5.3	6
295	Label Propagation through Linear Neighborhoods. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 55-67.	5.7	509
296	Kernel Methods in Finance. , 2008, , 655-687.		7
297	Semantic Multimedia and Ontologies. , 2008, , .		19

#	ARTICLE	IF	CITATIONS
298	Articulated shape matching using Laplacian eigenfunctions and unsupervised point registration. , 2008, , .		116
299	Nonlocal Discrete Regularization on Weighted Graphs: A Framework for Image and Manifold Processing. IEEE Transactions on Image Processing, 2008, 17, 1047-1060.	9.8	364
300	Detection of anomalous meetings in a social network. , 2008, , .		8
301	Investigating the Efficacy of Nonlinear Dimensionality Reduction Schemes in Classifying Gene and Protein Expression Studies. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2008, 5, 368-384.	3.0	91
303	Coarse analysis of collective motion with different communication mechanisms. Mathematical Biosciences, 2008, 214, 49-57.	1.9	29
304	Stochastic low-dimensional modelling of a random laminar wake past a circular cylinder. Journal of Fluid Mechanics, 2008, 606, 339-367.	3.4	47
305	Recognizing human actions using multiple features. , 2008, , .		73
306	Recent advances in cluster analysis. International Journal of Intelligent Computing and Cybernetics, 2008, 1, 484-508.	2.7	28
307	Gaussian Process Dynamical Models for Human Motion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 283-298.	13.9	713
308	Alignment of Overlapping Locally Scaled Patches for Multidimensional Scaling and Dimensionality Reduction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 438-450.	13.9	44
309	Riemannian Manifold Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 796-809.	13.9	328
310	Model Driven Segmentation of Articulating Humans in Laplacian Eigenspace. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1771-1785.	13.9	43
311	Correlation Metric for Generalized Feature Extraction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 2229-2235.	13.9	102
312	Twin Kernel Embedding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1490-1495.	13.9	20
313	Nonlinear Dimensionality Reduction of Data Lying on the Multiclustor Manifold. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1111-1122.	5.0	19
314	Low-dimensional embedding of fMRI datasets. NeuroImage, 2008, 41, 886-902.	4.2	23
315	Graph-partitioned spatial priors for functional magnetic resonance images. NeuroImage, 2008, 43, 694-707.	4.2	18
316	Semantic Coding by Supervised Dimensionality Reduction. IEEE Transactions on Multimedia, 2008, 10, 806-818.	7.2	34

#	ARTICLE	IF	CITATIONS
317	Electricity Price Curve Modeling and Forecasting by Manifold Learning. IEEE Transactions on Power Systems, 2008, 23, 877-888.	6.5	44
318	Image Processing with Nonlocal Spectral Bases. Multiscale Modeling and Simulation, 2008, 7, 703-730.	1.6	75
319	Representation Discovery using Harmonic Analysis. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2008, 2, 1-147.	0.8	6
320	Incremental selection of the neighborhood size for ISOMAP. , 2008, , .		0
321	Feature Extraction base on Local Maximum Margin Criterion. , 2008, , .		1
322	Maximum Margin Embedding. , 2008, , .		2
323	New approach of intelligent fault diagnosis based on LLE algorithm. , 2008, , .		5
324	Dimensionality reduction using covariance operator inverse regression. , 2008, , .		0
325	Semi-supervised Laplacian eigenmaps for dimensionality reduction. , 2008, , .		4
326	Three-dimensional point cloud recognition via distributions of geometric distances. , 2008, , .		4
327	Human Centered Multimedia Computing: A New Paradigm for the Design of Assistive and Rehabilitative Environments. , 2008, , .		2
328	Manifold-Based Supervised Feature Extraction and Face Recognition. , 2008, , .		0
329	Multimodal preserving embedding for face recognition. , 2008, , .		0
330	Data Visualization and Dimensionality Reduction Using Kernel Maps With a Reference Point. IEEE Transactions on Neural Networks, 2008, 19, 1501-1517.	4.2	31
331	Transductive Component Analysis. , 2008, , .		47
332	Topology Preserving Non-negative Matrix Factorization for Face Recognition. IEEE Transactions on Image Processing, 2008, 17, 574-584.	9.8	127
333	Generalized Linear Discriminant Analysis: A Unified Framework and Efficient Model Selection. IEEE Transactions on Neural Networks, 2008, 19, 1768-1782.	4.2	156
334	Uncorrelated Discriminant Locality Preserving Projections. IEEE Signal Processing Letters, 2008, 15, 361-364.	3.6	33

#	ARTICLE	IF	CITATIONS
335	Dimensionality reduction for text using LLE. , 2008, , .		2
336	Generating hypotheses of trends in high-dimensional data skeletons. , 2008, , .		4
337	Adaptive Multimedia Retrieval: Retrieval, User, and Semantics. Lecture Notes in Computer Science, 2008, , .	1.3	2
338	Early interactive emotional development. , 2008, 2008, 232-237.		5
339	Graph Laplacian Tomography From Unknown Random Projections. IEEE Transactions on Image Processing, 2008, 17, 1891-1899.	9.8	142
340	Facial Pose and Expression Analysis Based on Locally Linear Embedding. , 2008, , .		1
341	Efficient anisotropic α-Kernels decompositions and flows. , 2008, , .		1
342	Sound source recognition for human robot interaction. , 2008, , .		1
343	Extracting community structure features for hypertext classification. , 2008, , .		1
344	Dimensionality Reduction for Descriptor Generation in Rushes Editing. , 2008, , .		0
345	Estimating Location Using Wi-Fi. IEEE Intelligent Systems, 2008, 23, 8-13.	4.0	79
347	An evolutionary approach for accent classification in IVR systems. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	4
348	Full Issue in PDF / NumÃ©ro complet enform PDF. Canadian Journal of Remote Sensing, 2008, 34, ii-508.	2.4	0
349	Identifying biologically relevant genes via multiple heterogeneous data sources. , 2008, , .		11
350	Coarse Master Equations for Peptide Folding Dynamics. Journal of Physical Chemistry B, 2008, 112, 6057-6069.	2.6	444
351	Harmonizing Hierarchical Manifolds for Multimedia Document Semantics Understanding and Cross-Media Retrieval. IEEE Transactions on Multimedia, 2008, 10, 437-446.	7.2	199
352	Diagnosis of breast cancer tumor based on manifold learning and Support Vector Machine. , 2008, , .		4
353	Topic modeling with network regularization. , 2008, , .		284

#	ARTICLE	IF	CITATIONS
354	Simultaneous dimensionality reduction and denoising of hyperspectral imagery using bivariate wavelet shrinking and principal component analysis. Canadian Journal of Remote Sensing, 2008, 34, 447-454.	2.4	53
355	Mining social networks using heat diffusion processes for marketing candidates selection. , 2008, , .		179
356	Deep learning via semi-supervised embedding. , 2008, , .		196
357	Spatially Adapted Manifold Learning for Classification of Hyperspectral Imagery with Insufficient Labeled Data. , 2008, , .		12
358	Local Linear Embedding in Dimensionality Reduction Based on Small World Principle. , 2008, , .		3
359	Optimal Successive Mappings for classification. , 2008, , .		0
360	Gabor Feature-Based Face Recognition Using Riemannian Manifold Learning. , 2008, , .		0
361	Discriminant simplex analysis. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
362	Optimal regularization parameters selection for Laplacian support vector machine. , 2008, , .		1
363	An improvement on learning with local and global consistency. , 2008, , .		4
364	Distance Metric Learning and Support Vector Machines for Classification of Mass Spectrometry Proteomics Data. , 2008, , .		5
365	Manifold denoising with Gaussian Process Latent Variable Models. , 2008, , .		1
366	Contour grouping with shape manifold and distance transform. , 2008, , .		1
367	Manifold alignment using Procrustes analysis. , 2008, , .		170
368	REDUS. , 2008, , .		4
369	Locality condensation. , 2008, , .		14
370	Random projection trees and low dimensional manifolds. , 2008, , .		182
371	Discrete laplace operator on meshed surfaces. , 2008, , .		126

#	ARTICLE	IF	CITATIONS
372	A general optimization framework for smoothing language models on graph structures. , 2008, , .		41
373	Learning latent semantic relations from clickthrough data for query suggestion. , 2008, , .		78
374	Neighbourhood preserving based semi-supervised dimensionality reduction. Electronics Letters, 2008, 44, 1190.	1.0	32
375	Distributed event region detection in wireless sensor networks. Proceedings of SPIE, 2008, , .	0.8	5
376	Kernel uncorrelated neighbourhood discriminative embedding for radar target recognition. Electronics Letters, 2008, 44, 154.	1.0	4
377	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.	1.5	10
378	Relaxed maximum-variance unfolding. Optical Engineering, 2008, 47, 077202.	1.0	4
379	A Sensorimotor Approach to Sound Localization. Neural Computation, 2008, 20, 603-635.	2.2	50
380	Novel semisupervised high-dimensional correspondences learning method. Optical Engineering, 2008, 47, 047201.	1.0	2
381	Large scale manifold transduction. , 2008, , .		30
382	Monitoring visual focus of attention via local discriminant projection. , 2008, , .		7
383	Automatic inline defect detection for a thin film transistorâ€“liquid crystal display array process using locally linear embedding and support vector data description. Measurement Science and Technology, 2008, 19, 095501.	2.6	23
384	Relevance aggregation projections for image retrieval. , 2008, , .		6
385	Two-dimensional locality sensitive discriminant analysis. , 2008, , .		0
386	Random projection trees for vector quantization. , 2008, , .		2
387	Adaptive Localization through Transfer Learning in Indoor Wi-Fi Environment. , 2008, , .		65
388	Local Regularized Least-Square Dimensionality Reduction. , 2008, , .		0
389	Constrained Maximum Variance Mapping. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
390	Local Fisher Discriminant Embedding for face recognition. , 2008, , .		0
391	Density geodesics for similarity clustering. , 2008, , .		3
392	Robust Facial Attribute-Specific Subspace-Based Principal Component Analysis for Face Recognition. , 2008, , .		0
393	On the estimation of geodesic paths on sampled manifolds under random projections. , 2008, , .		1
394	Manifold-constrained regressors in system identification. , 2008, , .		10
395	Neighborhood smoothing embedding for noisy manifold learning. , 2008, , .		1
396	Generalized Locally Linear Embedding Based on Local Reconstruction Similarity. , 2008, , .		9
397	A novel unsupervised feature extraction based on image matrix. , 2008, , .		0
398	Discriminant adaptive edge weights for graph embedding. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	3
399	Towards visualisation of sound-scapes through dimensionality reduction. , 2008, , .		0
400	Dimensionality reduction by unsupervised regression. , 2008, , .		13
401	Correlation Embedding Analysis. , 2008, , .		5
402	Perturbational formulation of principal component analysis in molecular dynamics simulation. Physical Review E, 2008, 78, 046702.	2.1	9
403	Locality-Preserved Maximum Information Projection. IEEE Transactions on Neural Networks, 2008, 19, 571-585.	4.2	78
404	Boundary Constrained Manifold Unfolding. , 2008, , .		0
405	A Natural Feature Representation for Unstructured Environments. IEEE Transactions on Robotics, 2008, 24, 1329-1340.	10.3	14
406	A Hybrid Framework for 3-D Human Motion Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1075-1084.	8.3	18
407	Learning on varifolds. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
408	Learning graph neighborhood topological order for image and manifold morphological processing. , 2008, , .		1
409	MC: An Unsupervised Data Preprocessing for Classification. , 2008, , .		1
410	Horseshoes in multidimensional scaling and local kernel methods. Annals of Applied Statistics, 2008, 2, .	1.1	81
411	Selection of variables and dimension reduction in high-dimensional non-parametric regression. Electronic Journal of Statistics, 2008, 2, .	0.7	23
412	Text Data Mining: Theory and Methods. Statistics Surveys, 2008, 2, .	11.3	42
413	(2D)2UDP: A New Two-Directional Two-Dimensional Unsupervised Discriminant Projection for Face Recognition. , 2008, , .		0
414	Adaptive neighborhood selection for manifold learning. , 2008, , .		2
415	A Metric Multidimensional Scaling-Based Nonlinear Manifold Learning Approach for Unsupervised Data Reduction. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	3
416	Dimensionality reduction in nonlinear optical datasets via diffusion mapping: case study of short-pulse second harmonic generation. , 2008, , .		0
417	Construction and Application of a Motion Capture Database Using Human Motion Characteristics. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2008, 62, 1330-1332.	0.1	1
418	ENSO dynamics in current climate models: an investigation using nonlinear dimensionality reduction. Nonlinear Processes in Geophysics, 2008, 15, 339-363.	1.3	11
419	Diffusion Maps Clustering for Magnetic Resonance Q-Ball Imaging Segmentation. International Journal of Biomedical Imaging, 2008, 2008, 1-12.	3.9	20
420	Consistency of spectral clustering. Annals of Statistics, 2008, 36, .	2.6	296
421	Identifying Information-Rich Subspace Trends in High-Dimensional Data. , 2009, , .		3
422	Non-Negative Matrix Factorization, Convexity and Isometry. , 2009, , .		9
423	Integrated KL (K-means + Laplacian) Clustering: A New Clustering Approach by Combining Attribute Data and Pairwise Relations. , 2009, , .		32
424	Sparse Recovery Problems in High Dimensions: Statistical Inference and Learning Theory. Oberwolfach Reports, 2009, 6, 867-916.	0.0	0
425	Constructing Laplace Operator from Point Clouds in \mathbb{R}^d . , 2009, , .		75

#	ARTICLE	IF	CITATIONS
426	Laplacian Eigenfunctions Learn Population Structure. PLoS ONE, 2009, 4, e7928.	2.5	24
427	Efficient uncertainty minimization for fuzzy spectral clustering. Physical Review E, 2009, 80, 056705.	2.1	4
428	Statistical shape learning for 3D tracking. , 2009, , .		0
429	Face clustering using semi-supervised Neighborhood Preserving Embedding with pairwise constraints. , 2009, , .		1
430	Relative Distance-Based Laplacian Eigenmaps. , 2009, , .		2
431	ISOMAP Algorithm-Based Feature Extraction for Electromechanical Equipment Fault Prediction. , 2009, , .		9
432	Sparse Locality Preserving Embedding. , 2009, , .		11
433	Connecting spectral and spring methods for manifold learning. , 2009, , .		1
434	Exploring nonlinear feature space dimension reduction and data representation in breast CADx with Laplacian eigenmaps and t-SNE. Medical Physics, 2010, 37, 339-351.	3.0	118
435	Learning the Intrinsic Dimensions of the Timit Speech Database with Maximum Variance Unfolding. , 2009, , .		2
436	On ear biometrics. , 2009, , .		10
437	Coarse-graining the dynamics of a driven interface in the presence of mobile impurities: Effective description via diffusion maps. Physical Review E, 2009, 80, 031102.	2.1	31
438	Robust path based semi-supervised dimensionality reduction. , 2009, , .		2
439	Computational Models for Neuromuscular Function. IEEE Reviews in Biomedical Engineering, 2009, 2, 110-135.	18.0	95
440	Correspondence Propagation with Weak Priors. IEEE Transactions on Image Processing, 2009, 18, 140-150.	9.8	12
441	Signal classification by matching node connectivities. , 2009, , .		0
442	Dimensionality reduction and principal surfaces via Kernel Map Manifolds. , 2009, , .		11
443	Orthogonal Neighborhood Preserving Discriminant Projections for Face Recognition. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
444	Automatic configuration of spectral dimensionality reduction methods for 3D human pose estimation. , 2009, , .		3
445	Research on the Method of Nonlinear Dimensionality Reduction for the Text of Laws and Regulations of Construction. , 2009, , .		0
446	Dimensionality reduction by self organizing maps that preserve distances in output space. , 2009, , .		8
447	From Laplacian Eigenmaps to Kernel Locality Preserving Projections: Equivalence or Improvement?. , 2009, , .		2
448	Margin Maximum Embedding Discriminant (MMED) for Feature Extraction and Classification. , 2009, , .		4
449	Locality Preserving Embedding. , 2009, , .		1
450	The application of intrinsic variable preserving manifold learning method to tracking multiple people with occlusion reasoning. , 2009, , .		5
451	Clustering Based on LLE For Financial Multivariate Time Series. , 2009, , .		1
452	Ensemble manifold regularization. , 2009, , .		25
453	Kernel LDP Based Discriminant Analysis for Face Recognition. , 2009, , .		0
454	Passive millimeter-wave metal target recognition based on manifold learning. , 2009, , .		0
455	Cascade Two-dimensional Locality Preserving Projections for Face Recognition. , 2009, , .		0
456	On manifolds, climate reconstruction and bivalve shells. , 2009, , .		2
457	Automated classification of gaze direction using spectral regression and support vector machine. , 2009, , .		7
458	Orthogonal Discriminant Neighborhood Preserving Projections for Face Recognition. , 2009, , .		2
459	Facial Expression Recognition with Marginal Fisher Analysis on Local Binary Patterns. , 2009, , .		1
460	Identity and expression recognition on low dimensional manifolds. , 2009, , .		5
461	An Adaptive Manifold Learning Algorithm Based on ISOMAP. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
462	Hierarchical 3D diffusion wavelet shape priors. , 2009, , .		17
463	Error-correcting semi-supervised learning with mode-filter on graphs. , 2009, , .		6
464	Two-Dimensional Local Graph Embedding Discriminant Analysis(F2DLGEDA) with Its Application to Face and Palm Biometrics. , 2009, , .		1
465	INTRINSIC DIMENSIONALITY ESTIMATION WITHIN NEIGHBORHOOD CONVEX HULL. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 31-44.	1.2	5
466	Nonlinear Dimensionality Reduction with Local Spline Embedding. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1285-1298.	5.7	105
467	Color image segmentation using Laplacian eigenmaps. Journal of Electronic Imaging, 2009, 18, 023004.	0.9	5
468	Detecting intrinsic slow variables in stochastic dynamical systems by anisotropic diffusion maps. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16090-16095.	7.1	113
469	Optimal Local Temporal Common Spatial Patterns for Single-trial EEG Classification. , 2009, , .		0
470	Laplacian MinMax Discriminant Projections. , 2009, , .		0
471	Learning a Locality Preserving Subspace for ISAR Target Recognition. , 2009, , .		0
472	A Model of Selecting the Parameters Based on the Variance of Distance Ratios for Manifold Learning Algorithms. , 2009, , .		5
473	Integral estimation from point cloud in d-dimensional space. , 2009, , .		9
474	Geometry-aware metric learning. , 2009, , .		17
475	Structure preserving embedding. , 2009, , .		106
476	Topological methods for exploring low-density states in biomolecular folding pathways. Journal of Chemical Physics, 2009, 130, 144115.	3.0	101
477	Spectral mesh processing. , 2009, , .		27
478	Incremental learning to rank with partially-labeled data. , 2009, , .		1
479	Topology- and error-driven extension of scalar functions from surfaces to volumes. ACM Transactions on Graphics, 2009, 29, 1-20.	7.2	12

#	ARTICLE	IF	CITATIONS
480	Use of dimensionality reduction for structural mapping of hip joint osteoarthritis data. Measurement Science and Technology, 2009, 20, 104025.	2.6	1
481	Enhanced Spectral Embedding with Semi-supervised Feature Selection. , 2009, , .		0
482	Fitting a graph to vector data. , 2009, , .		62
483	Bidirectional visible neighborhood preserving embedding. , 2009, , .		0
484	SVM LEARNING AND $L^{p \leq 1}$ APPROXIMATION BY GAUSSIANS ON RIEMANNIAN MANIFOLDS. Analysis and Applications, 2009, 07, 309-339.	2.2	11
485	Statistical Prediction of ENSO from Subsurface Sea Temperature Using a Nonlinear Dimensionality Reduction. Journal of Climate, 2009, 22, 4501-4519.	3.2	35
486	Metric learning for semi-supervised clustering using pairwise constraints and the geometrical structure of data. Intelligent Data Analysis, 2009, 13, 887-899.	0.9	13
487	Fault Diagnosis of Rolling Bearings Based on LLE_KFDA. Materials Science Forum, 0, 626-627, 529-534.	0.3	3
488	Semi-supervised Learning by Sparse Representation. , 2009, , .		186
489	Orthogonal locality minimizing globality maximizing projections for feature extraction. Optical Engineering, 2009, 48, 017202.	1.0	47
490	Statistical challenges of high-dimensional data. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 4237-4253.	3.4	246
491	Spectral methods in machine learning and new strategies for very large datasets. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 369-374.	7.1	88
492	Multispectral face recognition using non linear dimensionality reduction. , 2009, , .		10
493	Linear manifold topographic map formation based on an energy function with on-line adaptation rules. Neurocomputing, 2009, 72, 1817-1825.	5.9	3
494	Nonlinear dimensionality reduction with relative distance comparison. Neurocomputing, 2009, 72, 1719-1731.	5.9	10
495	Supervised feature extraction based on orthogonal discriminant projection. Neurocomputing, 2009, 73, 191-196.	5.9	92
496	Quality assessment of dimensionality reduction: Rank-based criteria. Neurocomputing, 2009, 72, 1431-1443.	5.9	212
497	Nonlinear data projection on non-Euclidean manifolds with controlled trade-off between trustworthiness and continuity. Neurocomputing, 2009, 72, 1444-1454.	5.9	8

#	ARTICLE	IF	CITATIONS
498	Combining local and global information for nonlinear dimensionality reduction. Neurocomputing, 2009, 72, 2235-2241.	5.9	14
499	RankVisu: Mapping from the neighborhood network. Neurocomputing, 2009, 72, 2964-2978.	5.9	22
500	Comparison of feature selection and classification for MALDI-MS data. BMC Genomics, 2009, 10, S3.	2.8	37
501	Random Projection Trees for Vector Quantization. IEEE Transactions on Information Theory, 2009, 55, 3229-3242.	2.4	72
502	Interactive Hyperspectral Image Visualization Using Convex Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1673-1684.	6.3	52
503	Using Diffusion Geometric Coordinates for Hyperspectral Imagery Representation. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 767-771.	3.1	28
504	Discrete Laplace–Beltrami operators for shape analysis and segmentation. Computers and Graphics, 2009, 33, 381-390.	2.5	224
505	Computing smooth approximations of scalar functions with constraints. Computers and Graphics, 2009, 33, 399-413.	2.5	22
506	Using Web 2.0 for scientific applications and scientific communities. Concurrency Computation Practice and Experience, 2009, 21, 583-603.	2.2	15
507	Embedding new data points for manifold learning via coordinate propagation. Knowledge and Information Systems, 2009, 19, 159-184.	3.2	41
508	Random Projections of Smooth Manifolds. Foundations of Computational Mathematics, 2009, 9, 51-77.	2.5	263
509	Graph-based semi-supervised learning. Artificial Life and Robotics, 2009, 14, 445-448.	1.2	5
510	High order Parzen windows and randomized sampling. Advances in Computational Mathematics, 2009, 31, 349-368.	1.6	11
511	Intrinsic dimension estimation of manifolds by incising balls. Pattern Recognition, 2009, 42, 780-787.	8.1	44
512	Finding representative landmarks of data on manifolds. Pattern Recognition, 2009, 42, 2335-2352.	8.1	8
513	Feature extraction based on Laplacian bidirectional maximum margin criterion. Pattern Recognition, 2009, 42, 2327-2334.	8.1	67
514	Video event segmentation and visualisation in non-linear subspace. Pattern Recognition Letters, 2009, 30, 123-131.	4.2	19
515	Incremental Laplacian eigenmaps by preserving adjacent information between data points. Pattern Recognition Letters, 2009, 30, 1457-1463.	4.2	46

#	ARTICLE	IF	CITATIONS
516	Graph nodes clustering with the sigmoid commute-time kernel: A comparative study. Data and Knowledge Engineering, 2009, 68, 338-361.	3.4	62
517	Kernel based nonlinear dimensionality reduction for microarray gene expression data analysis. Expert Systems With Applications, 2009, 36, 7644-7650.	7.6	19
518	Local procrustes for manifold embedding: a measure of embedding quality and embedding algorithms. Machine Learning, 2009, 77, 1-25.	5.4	43
519	Local Dimensionality Reduction for Non-Parametric Regression. Neural Processing Letters, 2009, 29, 109-131.	3.2	29
520	Topology-Invariant Similarity of Nonrigid Shapes. International Journal of Computer Vision, 2009, 81, 281-301.	15.6	47
521	A note on Laplacian eigenmaps. Journal of Shanghai Jiaotong University (Science), 2009, 14, 632-634.	0.9	1
522	Geometry on Probability Spaces. Constructive Approximation, 2009, 30, 311-323.	3.0	58
523	Multi-Fourier spectra descriptor and augmentation with spectral clustering for 3D shape retrieval. Visual Computer, 2009, 25, 785-804.	3.5	52
524	Processing spectral data. Surface and Interface Analysis, 2009, 41, 636-644.	1.8	7
525	Machinery fault diagnosis using supervised manifold learning. Mechanical Systems and Signal Processing, 2009, 23, 2301-2311.	8.0	89
526	Semi-Supervised Learning. Journal of the Royal Statistical Society Series A: Statistics in Society, 2009, 172, 530-530.	1.1	8
527	Dimensionality reduction for heterogeneous dataset in rushes editing. Pattern Recognition, 2009, 42, 229-242.	8.1	15
528	Stable local dimensionality reduction approaches. Pattern Recognition, 2009, 42, 2054-2066.	8.1	71
529	Graph characteristics from the heat kernel trace. Pattern Recognition, 2009, 42, 2589-2606.	8.1	127
530	Three-dimensional point cloud recognition via distributions of geometric distances. Graphical Models, 2009, 71, 22-31.	2.4	83
531	Weighted locally linear embedding for dimension reduction. Pattern Recognition, 2009, 42, 798-811.	8.1	92
532	Tensor linear Laplacian discrimination (TLLD) for feature extraction. Pattern Recognition, 2009, 42, 1941-1948.	8.1	33
533	Batch process monitoring with tensor factorization. Journal of Process Control, 2009, 19, 288-296.	3.3	35

#	ARTICLE	IF	CITATIONS
534	Matrix perturbation analysis of local tangent space alignment. Linear Algebra and Its Applications, 2009, 430, 732-746.	0.9	5
535	Generalized orthogonal locality preserving projections for nonlinear fault detection and diagnosis. Chemometrics and Intelligent Laboratory Systems, 2009, 96, 75-83.	3.5	58
536	Manifold models for signals and images. Computer Vision and Image Understanding, 2009, 113, 249-260.	4.7	147
537	A generative model for graph matching and embedding. Computer Vision and Image Understanding, 2009, 113, 777-789.	4.7	35
538	A diffusion wavelet approach for 3-D model matching. CAD Computer Aided Design, 2009, 41, 28-36.	2.7	20
539	Laplace's Beltrami eigenvalues and topological features of eigenfunctions for statistical shape analysis. CAD Computer Aided Design, 2009, 41, 739-755.	2.7	167
540	Automated Measurement of Facial Expression in Infant-Mother Interaction: A Pilot Study. Infancy, 2009, 14, 285-305.	1.6	137
541	Image feature optimization based on nonlinear dimensionality reduction. Journal of Zhejiang University: Science A, 2009, 10, 1720-1737.	2.4	8
542	Calibrating an Automatic Zoom Camera With Moving Least Squares. IEEE Transactions on Automation Science and Engineering, 2009, 6, 492-503.	5.2	17
543	A family of contextual measures of similarity between distributions with application to image retrieval. , 2009, , .		32
544	A framework for automated measurement of the intensity of non-posed Facial Action Units. , 2009, , .		76
545	Semi-Structured Data. , 2009, , 2599-2601.		1
546	Spatial Data Mining. , 2009, , 2695-2698.		3
547	Discriminant Analysis for Dimensionality Reduction: An Overview of Recent Developments. , 0, , 1-19.		12
548	Snapshot Isolation. , 2009, , 2659-2664.		2
549	Local Multidimensional Scaling for Nonlinear Dimension Reduction, Graph Drawing, and Proximity Analysis. Journal of the American Statistical Association, 2009, 104, 209-219.	3.1	143
550	Clustering with Local and Global Regularization. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1665-1678.	5.7	42
551	Manifold Learning. Advances in Pattern Recognition, 2009, , 87-119.	0.8	7

#	ARTICLE	IF	CITATIONS
552	Subspace Clustering Techniques. , 2009, , 2873-2875.		9
553	Clustering Algorithms IV. , 2009, , 765-862.		1
554	Feature Generation I: Data Transformation and Dimensionality Reduction. , 2009, , 323-409.		15
555	Equation-Free Multiscale Computation: Algorithms and Applications. Annual Review of Physical Chemistry, 2009, 60, 321-344.	10.8	214
556	Geometric Manifold Energy and Manifold Clustering. Lecture Notes in Computer Science, 2009, , 674-683.	1.3	0
558	Statistical Analysis of Network Data. Springer Series in Statistics, 2009, , .	0.9	693
559	Distance Dimension Reduction on QR Factorization for Efficient Clustering Semantic XML Document Using the QR Fuzzy C-Mean (QR-FCM). Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 272-287.	0.3	0
562	Multiscale modeling of emergent materials: biological and soft matter. Physical Chemistry Chemical Physics, 2009, 11, 1869.	2.8	243
563	Single camera 3D human pose estimation: A Review of current techniques. , 2009, , .		8
564	Inferring semantic concepts from community-contributed images and noisy tags. , 2009, , .		172
565	Advances in Computation and Intelligence. Lecture Notes in Computer Science, 2009, , .	1.3	3
566	Integrating Global and Local Structures in Semi-supervised Discriminant Analysis. , 2009, , .		6
567	Load forecasting via manifold regularization. , 2009, , .		0
568	Non-linear generative embeddings for kernels on latent variable models. , 2009, , .		7
569	Aircraft Pose Recognition Using Locally Linear Embedding. , 2009, , .		4
570	Multilinear Isometric Embedding for visual pattern analysis. , 2009, , .		3
571	Supervised Laplacian Eigenmaps for Machinery Fault Classification. , 2009, , .		8
572	Learning semantic visual vocabularies using diffusion distance. , 2009, , .		99

#	ARTICLE	IF	CITATIONS
573	Co-clustering on manifolds. , 2009, , .		166
574	A General Framework: Combining Statistical Models and Network Structure for Deep Content Mining. , 2009, , .		0
575	Learning the Similarity Preserving Principal Curves. , 2009, , .		0
576	3D CAD model search: A regularized manifold learning approach. , 2009, , .		1
577	Local Discriminant Space Alignment. , 2009, , .		0
578	Learning distance metric for regression by semidefinite programming with application to human age estimation. , 2009, , .		50
579	Marginal and Nonlocal Discriminant Embedding for Face Recognition. , 2009, , .		0
580	A Multi-Class Multi-Manifold Learning Algorithm Based on ISOMAP. , 2009, , .		2
581	Continuous medial representation of brain structures using the biharmonic PDE. NeuroImage, 2009, 45, S99-S110.	4.2	37
582	Head Pose Estimation in Computer Vision: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 607-626.	13.9	1,062
583	A Volume-Based Heat-Diffusion Classifier. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 417-430.	5.0	3
584	Applying Manifold Learning to Plotting Approximate Contour Trees. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1185-1192.	4.4	26
585	A Minimal Contouring Approach to the Computation of the Reeb Graph. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 583-595.	4.4	35
586	Transition Path Theory for Markov Jump Processes. Multiscale Modeling and Simulation, 2009, 7, 1192-1219.	1.6	362
587	Image quality assessment with manifold and machine learning. , 2009, , .		1
588	ISAR target recognition based on manifold learning. , 2009, , .		2
589	A New Two-Directional Two-Dimensional Feature Extraction Based on Manifold Learning. , 2009, , .		0
590	Geodesic Methods in Computer Vision and Graphics. Foundations and Trends in Computer Graphics and Vision, 2009, 5, 197-397.	4.5	77

#	ARTICLE	IF	CITATIONS
591	TENSOR LOCALITY SENSITIVE DISCRIMINANT ANALYSIS AND ITS COMPLEXITY. International Journal of Wavelets, Multiresolution and Information Processing, 2009, 07, 865-880.	1.3	9
592	Statistical Methods and Models for Video-Based Tracking, Modeling, and Recognition. Foundations and Trends in Signal Processing, 2009, 3, 1-151.	18.0	10
593	A cube framework for incorporating inter-gene information into biological data mining. International Journal of Data Mining and Bioinformatics, 2009, 3, 3.	0.1	4
594	Distance metric learning and support vector machines for classification of mass spectrometry proteomics data. International Journal of Knowledge Engineering and Soft Data Paradigms, 2009, 1, 216.	0.0	1
595	Recent Advances and Trends in Large-Scale Kernel Methods. IEICE Transactions on Information and Systems, 2009, E92-D, 1338-1353.	0.7	19
596	Gray-Box Identification for High-Dimensional Manifold Constrained Regression. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1292-1297.	0.4	1
597	On landmark selection and sampling in high-dimensional data analysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 4295-4312.	3.4	16
598	Uncorrelated Discriminant Locality Aware Embedding for Face Recognition. , 2009, , .		0
599	Multi-classes Semi-supervised Learning on Riemannian Manifolds. , 2009, , .		1
600	Nearest neighbor tour circuit encryption algorithm based random Laplacian Eigenmap. , 2009, , .		0
601	Relative Transformation with CamNN Applied to Isometric Embedding. , 2009, , .		0
602	Locally Supervised Discriminant Analysis in Kernel Space. , 2009, , .		2
603	Notice of Retraction: Maximum Generalized Fisher Criterion. , 2010, , .		1
604	Clustering Data on Manifold with Local and Global Consistency. , 2010, , .		0
605	Asymmetric GT of social networks. , 2010, , .		1
606	A New Method of Nonlinear Feature Extraction for Multi-Fault Diagnosis of Rotor Systems. Noise and Vibration Worldwide, 2010, 41, 29-37.	1.0	13
607	A Fault Diagnosis Approach for Gears Using Multidimensional Features and Intelligent Classifier. Noise and Vibration Worldwide, 2010, 41, 76-86.	1.0	22
608	Geometric diffusion as a classifier. Journal of Physics: Conference Series, 2010, 206, 012034.	0.4	0

#	ARTICLE	IF	CITATIONS
609	Wavelet packets for multi- and hyper-spectral imagery. , 2010, , .		2
610	Kernel orthogonal local fisher discrimination for rotor fault diagnosis. Proceedings of SPIE, 2010, , .	0.8	1
611		3.0	18
612	Learning gradients on manifolds. Bernoulli, 2010, 16, .	1.3	28
613	A spectral graph approach to discovering genetic ancestry. Annals of Applied Statistics, 2010, 4, 179-202.	1.1	26
614	Principal Graphs and Manifolds. , 2010, , 28-59.		46
615	A subspace learning approach to evaluating the performance of image fusion algorithms. Proceedings of SPIE, 2010, , .	0.8	0
616	3D Shape Classification Based on Spectral Function and MDS Mapping. Journal of Computing and Information Science in Engineering, 2010, 10, .	2.7	3
617	The spectrum of kernel random matrices. Annals of Statistics, 2010, 38, .	2.6	79
618	Acoustic Feature Transformation Based on Discriminant Analysis Preserving Local Structure for Speech Recognition. IEICE Transactions on Information and Systems, 2010, E93-D, 1244-1252.	0.7	3
619	Neighborhood linear embedding for intrinsic structure discovery. Machine Vision and Applications, 2010, 21, 391-401.	2.7	7
620	Color-to-gray conversion using ISOMAP. Visual Computer, 2010, 26, 1349-1360.	3.5	16
621	Distinguishing variance embedding. Image and Vision Computing, 2010, 28, 872-880.	4.5	4
622	Hermite learning with gradient data. Journal of Computational and Applied Mathematics, 2010, 233, 3046-3059.	2.0	6
623	A multilevel approach for learning from labeled and unlabeled data on graphs. Pattern Recognition, 2010, 43, 2301-2314.	8.1	8
624	Cross-media retrieval using query dependent search methods. Pattern Recognition, 2010, 43, 2927-2936.	8.1	33
625	A general learning framework using local and global regularization. Pattern Recognition, 2010, 43, 3120-3129.	8.1	14
626	Two-dimensional supervised local similarity and diversity projection. Pattern Recognition, 2010, 43, 3359-3363.	8.1	39

#	ARTICLE	IF	CITATIONS
627	Face recognition using Intrinsicfaces. Pattern Recognition, 2010, 43, 3580-3590.	8.1	29
628	Partial differences as tools for filtering data on graphs. Pattern Recognition Letters, 2010, 31, 2201-2213.	4.2	10
629	Using Laplacian eigenmaps latent variable model and manifold learning to improve speech recognition accuracy. Speech Communication, 2010, 52, 725-735.	2.8	15
630	Effective multiplicative updates for non-negative discriminative learning in multimodal dimensionality reduction. Artificial Intelligence Review, 2010, 34, 235-260.	15.7	4
631	Randomized anisotropic transform for nonlinear dimensionality reduction. GEM - International Journal on Geomathematics, 2010, 1, 23-50.	1.6	20
632	Noise reduction method for nonlinear signal based on maximum variance unfolding and its application to fault diagnosis. Science China Technological Sciences, 2010, 53, 2122-2128.	4.0	4
633	Manifold contraction for semi-supervised classification. Science China Information Sciences, 2010, 53, 1170-1187.	4.3	1
634	Dependence of locally linear embedding on the regularization parameter. Top, 2010, 18, 354-376.	1.6	8
635	LLE-based classification algorithm for MMW radar target recognition. Journal of Electronics, 2010, 27, 139-144.	0.2	0
636	Subcellular Localization of Gram-Negative Bacterial Proteins Using Sparse Learning. Protein Journal, 2010, 29, 195-203.	1.6	3
637	Localization algorithm in wireless sensor networks based on semi-supervised manifold learning and its application. Cluster Computing, 2010, 13, 435-446.	5.0	30
638	Image and Video Colorization Using Vector-Valued Reproducing Kernel Hilbert Spaces. Journal of Mathematical Imaging and Vision, 2010, 37, 49-65.	1.3	37
639	Semi-supervised local Fisher discriminant analysis for dimensionality reduction. Machine Learning, 2010, 78, 35-61.	5.4	232
640	SSPS: A Semi-Supervised Pattern Shift for Classification. Neural Processing Letters, 2010, 31, 243-257.	3.2	3
641	A Modified Semi-Supervised Learning Algorithm on Laplacian Eigenmaps. Neural Processing Letters, 2010, 32, 75-82.	3.2	7
642	Unsupervised Object Discovery: A Comparison. International Journal of Computer Vision, 2010, 88, 284-302.	15.6	149
643	Hierarchical Shape Segmentation and Registration via Topological Features of Laplace-Beltrami Eigenfunctions. International Journal of Computer Vision, 2010, 89, 287-308.	15.6	133
644	A Gromov-Hausdorff Framework with Diffusion Geometry for Topologically-Robust Non-rigid Shape Matching. International Journal of Computer Vision, 2010, 89, 266-286.	15.6	203

#	ARTICLE	IF	CITATIONS
645	Vowel Production Manifold: Intrinsic Factor Analysis of Vowel Articulation. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1053-1062.	3.2	6
646	Graph-Based Variability Estimation in Single-Trial Event-Related Neural Responses. IEEE Transactions on Biomedical Engineering, 2010, 57, 1051-1061.	4.2	17
647	Local Manifold Learning-Based k -Nearest-Neighbor for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2010, , .	6.3	210
648	Massive-Training Artificial Neural Network Coupled With Laplacian-Eigenfunction-Based Dimensionality Reduction for Computer-Aided Detection of Polyps in CT Colonography. IEEE Transactions on Medical Imaging, 2010, 29, 1907-1917.	8.9	65
649	Sparse Representation for Computer Vision and Pattern Recognition. Proceedings of the IEEE, 2010, 98, 1031-1044.	21.3	1,470
650	Outlier-resisting graph embedding. Neurocomputing, 2010, 73, 968-974.	5.9	49
651	An empirical study of two typical locality preserving linear discriminant analysis methods. Neurocomputing, 2010, 73, 1587-1594.	5.9	9
652	Event monitoring via local motion abnormality detection in non-linear subspace. Neurocomputing, 2010, 73, 1881-1891.	5.9	36
653	Kernel-based metric learning for semi-supervised clustering. Neurocomputing, 2010, 73, 1352-1361.	5.9	43
654	Semi-supervised learning with varifold Laplacians. Neurocomputing, 2010, 73, 1580-1586.	5.9	1
655	Locality preserving discriminant projections for face and palmprint recognition. Neurocomputing, 2010, 73, 2696-2707.	5.9	93
656	Linear discriminant analysis using rotational invariant L1 norm. Neurocomputing, 2010, 73, 2571-2579.	5.9	71
657	Comparative study of unsupervised dimension reduction techniques for the visualization of microarray gene expression data. BMC Bioinformatics, 2010, 11, 567.	2.6	66
658	Pattern-information fMRI: New questions which it opens up and challenges which face it. International Journal of Imaging Systems and Technology, 2010, 20, 31-41.	4.1	40
659	Pharmacophore alignment search tool: Influence of canonical atom labeling on similarity searching. Journal of Computational Chemistry, 2010, 31, 2810-2826.	3.3	8
660	A comparison of two techniques for bibliometric mapping: Multidimensional scaling and VOS. Journal of the Association for Information Science and Technology, 2010, 61, 2405-2416.	2.6	496
661	People re-identification by spectral classification of silhouettes. Signal Processing, 2010, 90, 2362-2374.	3.7	66
662	Nonlinear dimensionality reduction with hybrid distance for trajectory representation of dynamic texture. Signal Processing, 2010, 90, 2375-2395.	3.7	6

#	ARTICLE	IF	CITATIONS
663	Eigenmaps and minimal and bandlimited immersions of graphs into Euclidean spaces. Journal of Mathematical Analysis and Applications, 2010, 366, 137-152.	1.0	5
664	Sparsity preserving projections with applications to face recognition. Pattern Recognition, 2010, 43, 331-341.	8.1	745
665	Encoding dissimilarity data for statistical model building. Journal of Statistical Planning and Inference, 2010, 140, 3580-3596.	0.6	1
666	An adaptively weighted sub-pattern locality preserving projection for face recognition. Journal of Network and Computer Applications, 2010, 33, 323-332.	9.1	27
667	Manifold modeling for brain population analysis. Medical Image Analysis, 2010, 14, 643-653.	11.6	112
668	Sample-dependent graph construction with application to dimensionality reduction. Neurocomputing, 2010, 74, 301-314.	5.9	47
669	Nonlinear embedding preserving multiple local-linearities. Pattern Recognition, 2010, 43, 1257-1268.	8.1	14
670	Graph-optimized locality preserving projections. Pattern Recognition, 2010, 43, 1993-2002.	8.1	129
671	Face recognition using discriminant locality preserving projections based on maximum margin criterion. Pattern Recognition, 2010, 43, 3572-3579.	8.1	95
672	Sparsity preserving discriminant analysis for single training image face recognition. Pattern Recognition Letters, 2010, 31, 422-429.	4.2	79
673	Scale-independent quality criteria for dimensionality reduction. Pattern Recognition Letters, 2010, 31, 2248-2257.	4.2	68
674	Reference free structure determination through eigenvectors of center of mass operators. Applied and Computational Harmonic Analysis, 2010, 28, 296-312.	2.2	22
675	Gene expression data classification using locally linear discriminant embedding. Computers in Biology and Medicine, 2010, 40, 802-810.	7.0	31
676	An automatic patient-specific seizure onset detection method in intracranial EEG based on incremental nonlinear dimensionality reduction. Computers in Biology and Medicine, 2010, 40, 889-899.	7.0	23
677	3D CAD model matching from 2D local invariant features. Computers in Industry, 2010, 61, 432-439.	9.9	14
678	Geometric characterization and clustering of graphs using heat kernel embeddings. Image and Vision Computing, 2010, 28, 1003-1021.	4.5	51
679	Linear discriminant projection embedding based on patches alignment. Image and Vision Computing, 2010, 28, 1624-1636.	4.5	10
680	Infrared moving target detection and tracking based on tensor locality preserving projection. Infrared Physics and Technology, 2010, 53, 77-83.	2.9	38

#	ARTICLE	IF	CITATIONS
681	Adaptive nonlinear manifolds and their applications to pattern recognition. Information Sciences, 2010, 180, 2649-2662.	6.9	27
682	Modeling local nonlinear correlations using subspace principal curves. Statistical Analysis and Data Mining, 2010, 3, 332-349.	2.8	0
683	Genome-wide association study of intracranial aneurysm identifies three new risk loci. Nature Genetics, 2010, 42, 420-425.	21.4	262
684	Topological Landscape Ensembles for Visualization of Scalar-Valued Functions. Computer Graphics Forum, 2010, 29, 993-1002.	3.0	33
685	Spectral Mesh Processing. Computer Graphics Forum, 2010, 29, 1865-1894.	3.0	154
686	Diffusion Model Based Spectral Clustering for Protein-Protein Interaction Networks. PLoS ONE, 2010, 5, e12623.	2.5	25
687	Primal and dual model representations in kernel-based learning. Statistics Surveys, 2010, 4, .	11.3	27
688	On information plus noise kernel random matrices. Annals of Statistics, 2010, 38, .	2.6	35
689	Nonlinear Computational Geometry. The IMA Volumes in Mathematics and Its Applications, 2010, , .	0.5	1
690	A spectral graph theoretic approach to quantification and calibration of collective morphological differences in cell images. Bioinformatics, 2010, 26, i29-i37.	4.1	9
691	Two-Dimensional Locality Discriminant Preserving Projections for Face Recognition. Advanced Materials Research, 0, 121-122, 391-398.	0.3	2
692	Systematic determination of order parameters for chain dynamics using diffusion maps. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13597-13602.	7.1	142
693	Fault Diagnosis Method Based on Supervised Incremental Local Tangent Space Alignment and SVM. Applied Mechanics and Materials, 2010, 34-35, 1233-1237.	0.2	2
694	An Improved Noise Reduction Algorithm Based on Manifold Learning and Its Application to Signal Noise Reduction. Applied Mechanics and Materials, 2010, 26-28, 653-656.	0.2	2
695	Dynamics-based extraction of information sparsely encoded in high dimensional data streams. , 2010, , .		4
696	Content-aware Ranking for visual search. , 2010, , .		35
697	Nystrom approximation of Wishart matrices. , 2010, , .		5
698	Toward Finding Hidden Communities Based on User Profile. , 2010, , .		31

#	ARTICLE	IF	CITATIONS
699	Learning a Joint Manifold Representation from Multiple Data Sets. , 2010, , .		18
700	Dimensionality Reduction on Multi-Dimensional Transfer Functions for Multi-Channel Volume Data Sets. Information Visualization, 2010, 9, 167-180.	1.9	13
701	Extended dot product representations of graphs with application to radar image segmentation. Optical Engineering, 2010, 49, 117201.	1.0	3
702	Graph-Based Semi-supervised Learning with Adaptive Similarity Estimation. , 2010, , .		2
703	Medical Ultrasound Image Segmentation Using a Hybrid Top-Down/Bottom-Up Approach. , 2010, , .		0
704	Optimal Locality Preserving Projection. , 2010, , .		2
705	A Semi-Definite Programming Embedding Framework for Local Preserving Manifold Learning. , 2010, , .		1
706	Anisotropic α -Kernels and Associated Flows. SIAM Journal on Imaging Sciences, 2010, 3, 904-925.	2.2	1
707	Two-dimensional Neighborhood Discriminant Projection. , 2010, , .		1
708	Semi-supervised Graph Learning: Near Strangers or Distant Relatives. , 2010, , .		0
709	Localized Sliced Inverse Regression. Journal of Computational and Graphical Statistics, 2010, 19, 843-860.	1.7	9
710	Maximum Margin Subspace Projections for Face Recognition. , 2010, , .		0
711	Face recognition and unseen subject rejection in margin-enhanced space. , 2010, , .		0
712	Dynamic facial expression recognition using Laplacian Eigenmaps-based manifold learning. , 2010, , .		9
713	Diffusion maps for edge-aware image editing. ACM Transactions on Graphics, 2010, 29, 1-10.	7.2	85
714	Parametric dimensionality reduction by unsupervised regression. , 2010, , .		5
715	Facial expression recognition based orthogonal supervised spectral discriminant analysis. , 2010, , .		1
716	Data Classification on Multiple Manifolds. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
717	Locality Preserving Projections Based on L1 Graph. , 2010, , .		0
718	Laplacian Eigenmaps for automatic news story segmentation. , 2010, , .		0
719	Image Clustering Using Local Discriminant Models and Global Integration. IEEE Transactions on Image Processing, 2010, 19, 2761-2773.	9.8	295
720	Optimal Fuzzy Aggregation of Networks. Multiscale Modeling and Simulation, 2010, 8, 1535-1561.	1.6	7
721	New method of fault feature extraction based on supervised LLE. , 2010, , .		0
722	Similarity Preserving Principal Curve: An Optimal 1-D Feature Extractor for Data Representation. IEEE Transactions on Neural Networks, 2010, 21, 1445-1456.	4.2	6
723	Learning the Dynamical System Behind Sensory Data. Neural Computation, 2010, 22, 1615-1645.	2.2	2
724	A Unified Framework for Dimensionality Reduction. , 2010, , .		0
725	GABOR-BASED TENSOR LOCAL DISCRIMINANT EMBEDDING AND ITS APPLICATION ON PALMPRINT RECOGNITION. International Journal of Wavelets, Multiresolution and Information Processing, 2010, 08, 327-342.	1.3	14
726	Two-dimensional neighborhood preserving embedding for face recognition. , 2010, , .		7
727	Cross-domain sentiment classification via spectral feature alignment. , 2010, , .		514
728	Using manifold embedding for assessing and predicting protein interactions from high-throughput experimental data. Bioinformatics, 2010, 26, 2744-2751.	4.1	209
729	Data fusion through cross-modality metric learning using similarity-sensitive hashing. , 2010, , .		332
730	Unsupervised dimensionality reduction: Overview and recent advances. , 2010, , .		24
731	Orthogonal Discriminant Neighborhood Preserving Embedding for facial expression recognition. , 2010, , .		3
732	Feature Extraction Based on Class Mean Embedding (CME). , 2010, , .		0
733	A Research for Face Recognition Based on Locally Linear Embedding Algorithm. , 2010, , .		0
734	Learning Manifold from Incomplete Image Set. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
735	Graph-based morphological processing of multivariate microscopy images and data bases. , 2010, , .		0
736	Efficient Kernel Learning from Constraints and Unlabeled Data. , 2010, , .		1
737	Orthogonal linear local spline discriminant embedding for face recognition. , 2010, , .		1
738	Manifold learning for patient position detection in MRI. , 2010, , .		10
739	Semi-Supervised Classification Based on Robust Path Regularization. , 2010, , .		0
740	Self-taught hashing for fast similarity search. , 2010, , .		267
741	Rhythmic Dynamics and Synchronization via Dimensionality Reduction: Application to Human Gait. PLoS Computational Biology, 2010, 6, e1001033.	3.2	37
742	A Graph-Based Projection Approach for Semi-supervised Clustering. Lecture Notes in Computer Science, 2010, , 1-13.	1.3	7
743	Spectral mesh processing. , 2010, , .		35
744	Exploratory tongue color analysis with manifold learning. , 2010, , .		1
745	Multichannel transfer function with dimensionality reduction. Proceedings of SPIE, 2010, 7530, 75300A.	0.8	1
746	Face recognition based on Log-Gabor and uncorrelated LDE. , 2010, , .		0
747	Kernel uncorrelated supervised Discriminant Projections with its application to face recognition. , 2010, , .		0
748	Face recognition based on Two-Dimensional Discriminant Locality Preserving Projection. , 2010, , .		1
749	Diffusion maps for dimensionality reduction with partially labeled samples. , 2010, , .		1
750	Supervised manifold learning for image and video classification. , 2010, , .		4
751	Spectral Connectivity Analysis. Journal of the American Statistical Association, 2010, 105, 1241-1255.	3.1	13
752	Multilevel manifold learning with application to spectral clustering. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
753	Language pyramid and multi-scale text analysis. , 2010, , .		3
754	Visualization and clustering of crowd video content in MPCA subspace. , 2010, , .		1
755	Eigen-space learning using semi-supervised diffusion maps for human action recognition. , 2010, , .		4
756	A Conditional Entropy Minimization Criterion for Dimensionality Reduction and Multiple Kernel Learning. Neural Computation, 2010, 22, 2887-2923.	2.2	17
757	A kernel-based active learning strategy for content-based image retrieval. , 2010, , .		0
758	An Experimental and Computational Investigation of Spontaneous Lasso Formation in Microcin J25. Biophysical Journal, 2010, 99, 3056-3065.	0.5	58
759	Audio-Visual Group Recognition Using Diffusion Maps. IEEE Transactions on Signal Processing, 2010, 58, 403-413.	5.3	41
760	The Sensorimotor Approach in CoSy: The Example of Dimensionality Reduction. Cognitive Systems Monographs, 2010, , 95-130.	0.1	3
761	Time, temperature, and data cloud geometry. Physical Review E, 2010, 82, 061110.	2.1	26
762	K-means clustering with manifold. , 2010, , .		7
764	A new method of Multi Dimensional Scaling. , 2010, , .		1
765	Mahalanobis Distance Metric Based Laplacian Mapping for Image Recognition. , 2010, , .		3
766	Low-rank kernel learning for semi-supervised clustering. , 2010, , .		0
767	Indoor localization in multi-floor environments with reduced effort. , 2010, , .		21
768	Linear Dimensionality Reduction through Eigenvector Selection for Object Recognition. Lecture Notes in Computer Science, 2010, , 276-285.	1.3	3
769	Semi-Supervised Classification via Local Spline Regression. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 2039-2053.	13.9	107
770	Kernel Entropy Component Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 847-860.	13.9	235
771	Efficient Multilevel Eigensolvers with Applications to Data Analysis Tasks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1377-1391.	13.9	24

#	ARTICLE	IF	CITATIONS
772	Learning an Intrinsic-Variable Preserving Manifold for Dynamic Visual Tracking. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 868-880.	5.0	42
773	Two-Phase Mapping for Projecting Massive Data Sets. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 1281-1290.	4.4	67
774	Visual Exploration of High Dimensional Scalar Functions. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 1271-1280.	4.4	70
775	Intelligent Information Processing V. International Federation for Information Processing, 2010, , .	0.4	4
776	Locality projection discriminant analysis with an application to face recognition. Optical Engineering, 2010, 49, 077201.	1.0	5
779	Clustering Algorithms in Biomedical Research: A Review. IEEE Reviews in Biomedical Engineering, 2010, 3, 120-154.	18.0	272
780	Multi-Label Transfer Learning With Sparse Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1110-1121.	8.3	18
781	Learning with ℓ^1 -graph for image analysis. IEEE Transactions on Image Processing, 2010, 19, 858-866.	9.8	626
782	Advanced Intelligent Computing Theories and Applications. Lecture Notes in Computer Science, 2010, , .	1.3	3
783	Research and application of manifold learning to fault diagnosis of reciprocating compressor. , 2010, , .		3
784	Manifold Learning for Biomarker Discovery in MR Imaging. Lecture Notes in Computer Science, 2010, , 116-123.	1.3	16
785	Life System Modeling and Intelligent Computing. Lecture Notes in Computer Science, 2010, , .	1.3	1
787	Manifold Learning for Image-Based Gating of Intravascular Ultrasound(IVUS) Pullback Sequences. Lecture Notes in Computer Science, 2010, , 139-148.	1.3	7
788	Manifold feature extraction for video based on locally linear embedding. , 2010, , .		0
789	Face Recognition Using a Multi-manifold Discriminant Analysis Method. , 2010, , .		8
790	Nonnegative Embeddings and Projections for Dimensionality Reduction and Information Visualization. , 2010, , .		3
791	Enhanced semi-supervised local fisher discriminant analysis for gene expression data classification. , 2010, , .		0
792	Mahalanobis-based Adaptive Nonlinear Dimension Reduction. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
793	Evolutionary Cross-Domain Discriminative Hessian Eigenmaps. IEEE Transactions on Image Processing, 2010, 19, 1075-1086.	9.8	31
794	Maximum Margin Local Learning Projection for Face Recognition. , 2010, , .		0
795	Normalized Laplacian based Optimal Locality Preserving Projection. , 2010, , .		0
796	Low-Resolution Face Recognition via Coupled Locality Preserving Mappings. IEEE Signal Processing Letters, 2010, 17, 20-23.	3.6	137
797	Manifold Learning for Visualizing and Analyzing High-dimensional Data. IEEE Intelligent Systems, 2010, , .	4.0	22
798	Robust Head Pose Estimation Using Supervised Manifold Learning. Lecture Notes in Computer Science, 2010, , 518-531.	1.3	45
799	Semi-supervised Locality Preserving Projections with Compactness Enhancement. , 2010, , .		1
800	Cluster Preserving Embedding. , 2010, , .		0
801	Curve Profiling Feature: Novel Compact Representation for Drosophila Embryonic Gene Expression Pattern Mining. , 2010, , .		1
802	Directional Two-dimensional Neighborhood Preserving Projection for Face Recognition. , 2010, , .		0
803	Penalized Preimage Learning in Kernel Principal Component Analysis. IEEE Transactions on Neural Networks, 2010, 21, 551-570.	4.2	48
804	Data Reduction for Network Forensics Using Manifold Learning. , 2010, , .		1
805	Multi-scale Feature Spaces for Shape Processing and Analysis. , 2010, , .		17
806	Dimensionality Reduction of Hyperspectral Imagery Data for Feature Classification. , 2010, , 1005-1047.		7
807	Wireless tomography, Part II: A system engineering approach. , 2010, , .		16
808	Time dependent Markov matrices for automated image analysis. , 2010, , .		0
809	Manifold-respecting probabilistic matrix tri-factorization. , 2010, , .		0
810	Local Abnormality Detection in Video Using Subspace Learning. , 2010, , .		16

#	ARTICLE	IF	CITATIONS
811	Subspace Learning on Tensor Representation. , 2010, , .		0
812	High-Dimensional Multimodal Distribution Embedding. , 2010, , .		3
813	A data analysis and visualization algorithm based on locally linear approximating for WSN. , 2010, , .		2
814	Decision rule steered discriminant analysis: A paradigm of unifying dimension reduction and classification into a framework. , 2010, , .		0
815	Enhanced supervised neighborhood preserving embedding for radar target recognition. , 2010, , .		0
816	Exploiting Visual Quasi-periodicity for Automated Chewing Event Detection Using Active Appearance Models and Support Vector Machines. , 2010, , .		3
817	Dimensionality reduction mappings. , 2011, , .		7
818	Regularized modularity eigenmap for community discovery with side information. , 2011, , .		1
819	Improvement of Supervised Shape Retrieval by Learning the Manifold Space. , 2011, , .		3
820	Linear Discriminant Analysis and Its Application in Plant Classification. , 2011, , .		4
821	Kernel entropy component analysis: New theory and semi-supervised learning. , 2011, , .		4
822	Super-Resolution Using Manifold Learning. , 2011, , .		1
823	Visualizing graphs with Krylov subspaces. , 2011, , .		0
824	Local preserving projections-based feature selection and Gaussian mixture model for machine health assessment. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 1703-1717.	2.1	8
825	Adaptive maximum margin criterion for image classification. , 2011, , .		5
826	Preserving proximity relations and minimizing edge-crossings in high dimensional graph visualizations. , 2011, , .		0
827	The Estimation Algorithm of Laplacian Eigenvalues for the Tangent Bundle. , 2011, , .		0
828	Complex Object Correspondence Construction in Two-Dimensional Animation. IEEE Transactions on Image Processing, 2011, 20, 3257-3269.	9.8	103

#	ARTICLE	IF	CITATIONS
829	Global Robust Stability Criteria for Interval Delayed Full-Range Cellular Neural Networks. IEEE Transactions on Neural Networks, 2011, 22, 666-671.	4.2	19
830	Spectral Clustering on Multiple Manifolds. IEEE Transactions on Neural Networks, 2011, 22, 1149-1161.	4.2	111
831	Face Recognition Based on Kernel Schur-Orthogonal Neighborhood Preserving Discriminant Embedding. , 2011, , .		0
832	Laplace-Beltrami eigenfunction metrics and geodesic shape distance features for shape matching in synthetic aperture sonar. , 2011, , .		4
833	A Novel Hybrid Model for Image Classification. Applied Mechanics and Materials, 0, 48-49, 98-101.	0.2	0
834	Clustering Based Fast Low-Rank Approximation for Large-Scale Graph. , 2011, , .		2
835	Supervised Ordering in $\{m\} \times \{R\}^p$: Application to Morphological Processing of Hyperspectral Images. IEEE Transactions on Image Processing, 2011, 20, 3301-3308.	9.8	68
836	MDMap: A system for data-driven layout and exploration of molecular dynamics simulations. , 2011, , .		7
837	Projection-Based Image Retrieval Using Class-Specific Metrics. , 2011, , .		0
838	Tensor Locally Linear Discriminative Analysis. IEEE Signal Processing Letters, 2011, 18, 643-646.	3.6	23
839	A Convergent Solution to Matrix Bidirectional Projection Based Feature Extraction with Application to Face Recognition. International Journal of Computational Intelligence Systems, 2011, 4, 863-873.	2.7	3
840	A discriminative prototype selection approach for graph embedding in human action recognition. , 2011, , .		11
841	Feature selection based image clustering using local discriminant model and global integration. , 2011, , .		1
842	An associate-predict model for face recognition. , 2011, , .		120
843	Diffusion features for target specific recognition with synthetic aperture sonar raw signals and acoustic color. , 2011, , .		7
844	Robust principal component analysis?. Journal of the ACM, 2011, 58, 1-37.	2.2	4,536
845	Semisupervised Learning Using Negative Labels. IEEE Transactions on Neural Networks, 2011, 22, 420-432.	4.2	21
846	Unsupervised Large Margin Discriminative Projection. IEEE Transactions on Neural Networks, 2011, 22, 1446-1456.	4.2	15

#	ARTICLE	IF	CITATIONS
847	The application of manifold learning in dimensionality analysis for hyperspectral imagery. , 2011, , .		0
848	A new dimensionality analysis algorithm for hyperspectral imagery. , 2011, , .		1
849	Fusion of Log-Gabor wavelet and orthogonal locality sensitive discriminant analysis for face recognition. , 2011, , .		1
850	Laplacian Margin Distribution Boosting for Learning from Sparsely Labeled Data. , 2011, , .		0
851	Semi-supervised Classification via Low Rank Graph. , 2011, , .		10
852	Compressed Locally Embedding. , 2011, , .		0
853	Numerical Construction of the <i>p</i> -fold (Committer) Reaction Coordinate for a Markov Process. Journal of Physical Chemistry B, 2011, 115, 11382-11388.	2.6	31
854	A New Method for Image Noise Removal using Chaos-PSO and Nonlinear ICA. Procedia Engineering, 2011, 24, 111-115.	1.2	10
855	Geometric Manifold Learning. IEEE Signal Processing Magazine, 2011, 28, 69-76.	5.6	11
856	Remote Sensing of Volcanic Ash Cloud During Explosive Eruptions Using Ground-Based Weather RADAR Data Processing [In the Spotlight]. IEEE Signal Processing Magazine, 2011, 28, 128-126.	5.6	5
857	Dimensionality Reduction via Subspace and Submanifold Learning [From the Guest Editors]. IEEE Signal Processing Magazine, 2011, 28, 14-126.	5.6	29
858	Two-Way Multidimensional Scaling: A Review. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 644-661.	2.9	78
859	Exploring Nonlinear Manifold Learning for Classification of Hyperspectral Data. , 2011, , 207-234.		41
860	Parallel implementation of nonlinear dimensionality reduction methods applied in object segmentation using CUDA in GPU. , 2011, , .		5
861	Distributed Video Sensor Networks. , 2011, , .		38
862	Machine Learning for Vision-Based Motion Analysis. Advances in Computer Vision and Pattern Recognition, 2011, , .	1.3	12
864	Online incremental clustering with distance metric learning for high dimensional data. , 2011, , .		12
865	Video Action Classification: A New Approach Combining Spatio-temporal Krawtchouk Moments and Laplacian Eigenmaps. , 2011, , .		6

#	ARTICLE	IF	CITATIONS
866	Face Subspace Learning. , 2011, , 51-77.		1
867	Learning Video Manifold for Segmenting Crowd Events and Abnormality Detection. Lecture Notes in Computer Science, 2011, , 439-449.	1.3	7
868	Geometric Structure of High-Dimensional Data and Dimensionality Reduction. , 2011, , .		63
869	Manifold learning for shape guided segmentation of Cardiac boundaries: Application to 3D+t Cardiac MRI. , 2011, 2011, 2658-62.		1
870	Advances in Self-Organizing Maps. Lecture Notes in Computer Science, 2011, , .	1.3	8
875	Medical Image Computing and Computer-Assisted Intervention â€ MICCAI 2011. Lecture Notes in Computer Science, 2011, , .	1.3	13
876	Joint gait-pose manifold for video-based human motion estimation. , 2011, , .		8
877	Multiview Semi-supervised Learning for Ranking Multilingual Documents. Lecture Notes in Computer Science, 2011, , 443-458.	1.3	13
878	Atomic-Level Characterization of the Ensemble of the Al^{2+} Monomer in Water Using Unbiased Molecular Dynamics Simulations and Spectral Algorithms. Journal of Molecular Biology, 2011, 405, 570-583.	4.2	205
879	Active sample-selecting and manifold learning-based relevance feedback method for synthetic aperture radar image retrieval. IET Radar, Sonar and Navigation, 2011, 5, 118.	1.8	6
880	A Topological View of Unsupervised Learning from Noisy Data. SIAM Journal on Computing, 2011, 40, 646-663.	1.0	85
881	Underdetermined Sparse Blind Source Separation of Nonnegative and Partially Overlapped Data. SIAM Journal of Scientific Computing, 2011, 33, 2063-2094.	2.8	8
882	Particle Systems and Kinetic Equations Modeling Interacting Agents in High Dimension. Multiscale Modeling and Simulation, 2011, 9, 1727-1764.	1.6	5
883	Face Alignment Models. , 2011, , 109-135.		2
884	A Novel Multi-modal Biometric Architecture for High-Dimensional Features. , 2011, , .		4
885	Discriminative Graph Embedding for Label Propagation. IEEE Transactions on Neural Networks, 2011, 22, 1395-1405.	4.2	13
886	Gaussian process for human motion modeling: A comparative study. , 2011, , .		6
887	Quantitative Analysis of Nonlinear Embedding. IEEE Transactions on Neural Networks, 2011, 22, 1987-1998.	4.2	9

#	ARTICLE	IF	CITATIONS
888	Spectral Embedded Clustering: A Framework for In-Sample and Out-of-Sample Spectral Clustering. IEEE Transactions on Neural Networks, 2011, 22, 1796-1808.	4.2	246
889	Central Subspace Dimensionality Reduction Using Covariance Operators. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 657-670.	13.9	9
890	Shape Recognition with Spectral Distances. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1065-1071.	13.9	108
891	Graph-Preserving Sparse Nonnegative Matrix Factorization With Application to Facial Expression Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 38-52.	5.0	184
892	Learning Similarity With Multikernel Method. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 131-138.	5.0	20
893	Regression Reformulations of LLE and LTSA With Locally Linear Transformation. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1250-1262.	5.0	39
894	Local Affine Multidimensional Projection. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2563-2571.	4.4	174
895	Gaussian Process for Dimensionality Reduction in Transfer Learning. , 2011, , .		4
896	Shape Recognition Based on Eigenvalues of the Laplacian. Advances in Imaging and Electron Physics, 2011, 167, 185-254.	0.2	1
898	Tail Deviationâ€™s Predictive Control of the Tandem Rolling Strip Based on Manifold Learning. Advanced Engineering Forum, 0, 2-3, 63-68.	0.3	0
899	Signal Denoise Method Based on the Higher Order Cumulant and Local Tangent Space Mean Reconstruction. Advanced Engineering Forum, 2011, 2-3, 188-192.	0.3	2
900	A Semi-Supervised Metric Learning for Content-Based Image Retrieval. International Journal of Computer Vision and Image Processing, 2011, 1, 53-63.	0.4	1
902	Quantification of the Variability of Continuous Glucose Monitoring Data. Algorithms, 2011, 4, 16-27.	2.1	5
903	Multi-Method Analysis of MRI Images in Early Diagnostics of Alzheimer's Disease. PLoS ONE, 2011, 6, e25446.	2.5	240
904	Kernel Optimization Based Semi-Supervised KBDA Scheme for Image Retrieval. IEICE Transactions on Information and Systems, 2011, E94-D, 1901-1908.	0.7	0
905	Constraints on the Neighborhood Size in LLE. IEICE Transactions on Information and Systems, 2011, E94-D, 1636-1640.	0.7	0
906	Re-establish the time-order across sensors of different modalities. Optical Engineering, 2011, 50, 047002.	1.0	1
907	A novel image distance based on Gabor feature and approximated manifold. Proceedings of SPIE, 2011, , .	0.8	0

#	ARTICLE	IF	CITATIONS
908	Image segmentation based on pixel feature manifold. Proceedings of SPIE, 2011, , .	0.8	0
909	Locally linear embedding based on local correlation. , 2011, , .		1
910	A new framework for composing vectorial semantic labels in 3D model retrieval. Proceedings of SPIE, 2011, , .	0.8	1
911	Spectral clustering based on local linear approximations. Electronic Journal of Statistics, 2011, 5, .	0.7	46
912	Spectral clustering and the high-dimensional stochastic blockmodel. Annals of Statistics, 2011, 39, .	2.6	446
913	Lossless divide and conquer for time-order sorting of N facial poses. Proceedings of SPIE, 2011, , .	0.8	0
914	Find the intrinsic space for multiclass classification. , 2011, , .		1
915	A method for visual identification of small sample subgroups and potential biomarkers. Annals of Applied Statistics, 2011, 5, .	1.1	5
916	Piece wise Laplacian-based Projection for Interactive Data Exploration and Organization. Computer Graphics Forum, 2011, 30, 1091-1100.	3.0	58
917	Estimation of arrival times from seismic waves: a manifold-based approach*. Geophysical Journal International, 2011, 185, 435-452.	2.4	21
918	VISUALIZING FITNESS LANDSCAPES. Evolution; International Journal of Organic Evolution, 2011, 65, 1544-1558.	2.3	77
919	Orthogonal isometric projection for face recognition. Journal of China Universities of Posts and Telecommunications, 2011, 18, 91-128.	0.8	2
920	Enhanced locality preserving projections using robust path based similarity. Neurocomputing, 2011, 74, 598-605.	5.9	19
921	Modified locally linear discriminant embedding for plant leaf recognition. Neurocomputing, 2011, 74, 2284-2290.	5.9	43
922	Multi-scale gist feature manifold for building recognition. Neurocomputing, 2011, 74, 2929-2940.	5.9	30
923	Stochastic neighbor projection on manifold for feature extraction. Neurocomputing, 2011, 74, 2780-2789.	5.9	12
924	Ear recognition based on uncorrelated local Fisher discriminant analysis. Neurocomputing, 2011, 74, 3103-3113.	5.9	24
925	Modified orthogonal discriminant projection for classification. Neurocomputing, 2011, 74, 3690-3694.	5.9	11

#	ARTICLE	IF	CITATIONS
926	Optimal locality preserving projection for face recognition. Neurocomputing, 2011, 74, 3941-3945.	5.9	13
927	Solving eigenvalue problems on curved surfaces using the Closest Point Method. Journal of Computational Physics, 2011, 230, 7944-7956.	3.8	58
928	Face recognition using regularised generalised discriminant locality preserving projections. IET Computer Vision, 2011, 5, 107.	2.0	5
929	Feature extraction based on fuzzy local discriminant embedding with applications to face recognition. IET Computer Vision, 2011, 5, 301.	2.0	15
930	Beautification of Design Sketches Using Trainable Stroke Clustering and Curve Fitting. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 694-708.	4.4	50
931	Branching and Circular Features in High Dimensional Data. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 1902-1911.	4.4	32
932	Transient Noise Reduction Using Nonlocal Diffusion Filters. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1584-1599.	3.2	29
933	Clustering Based on Pairwise Distances When the Data is of Mixed Dimensions. IEEE Transactions on Information Theory, 2011, 57, 1692-1706.	2.4	17
934	A Combined Manifold Learning Analysis of Shape and Appearance to Characterize Neonatal Brain Development. IEEE Transactions on Medical Imaging, 2011, 30, 2072-2086.	8.9	43
935	Towards a computer aided diagnosis system dedicated to virtual microscopy based on stereology sampling and diffusion maps. Diagnostic Pathology, 2011, 6, S3.	2.0	10
936	A nonparametric classification method based on K-associated graphs. Information Sciences, 2011, 181, 5435-5456.	6.9	45
937	Multi-resolution graph-based analysis of histopathological whole slide images: Application to mitotic cell extraction and visualization. Computerized Medical Imaging and Graphics, 2011, 35, 603-615.	5.8	78
938	Combinatorial preconditioners and multilevel solvers for problems in computer vision and image processing. Computer Vision and Image Understanding, 2011, 115, 1638-1646.	4.7	63
939	Time-Frequency Analysis of Hot Rolling Using Manifold Learning. International Federation for Information Processing, 2011, , 150-155.	0.4	0
940	Tracking feature extraction based on manifold learning framework. Journal of Experimental and Theoretical Artificial Intelligence, 2011, 23, 23-38.	2.8	9
941	Distanceâ€preserving dimensionality reduction. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 369-380.	6.8	7
942	A graph model for mutual information based clustering. Journal of Intelligent Information Systems, 2011, 37, 187-216.	3.9	5
943	Plant leaf roughness analysis by texture classification with generalized Fourier descriptors in a dimensionality reduction context. Precision Agriculture, 2011, 12, 345-360.	6.0	13

#	ARTICLE	IF	CITATIONS
944	ModelSeek: an effective 3D model retrieval system. Multimedia Tools and Applications, 2011, 51, 935-962.	3.9	38
945	Feature Extraction Using Laplacian Maximum Margin Criterion. Neural Processing Letters, 2011, 33, 99-110.	3.2	14
946	Orthogonal Complete Discriminant Locality Preserving Projections for Face Recognition. Neural Processing Letters, 2011, 33, 235-250.	3.2	2
947	Locally Minimizing Embedding and Globally Maximizing Variance: Unsupervised Linear Difference Projection for Dimensionality Reduction. Neural Processing Letters, 2011, 33, 267-282.	3.2	6
948	Supervised Discriminant Projection with Its Application to Face Recognition. Neural Processing Letters, 2011, 34, 1-12.	3.2	4
949	Face Recognition Using Kernel UDP. Neural Processing Letters, 2011, 34, 177-192.	3.2	8
950	Predicting Articulated Human Motion from Spatial Processes. International Journal of Computer Vision, 2011, 94, 317-334.	15.6	13
951	Locality preserving embedding for face and handwriting digital recognition. Neural Computing and Applications, 2011, 20, 565-573.	5.6	16
952	A structurally motivated framework for discriminant analysis. Pattern Analysis and Applications, 2011, 14, 349-367.	4.6	5
953	Locality preserving multimodal discriminative learning for supervised feature selection. Knowledge and Information Systems, 2011, 27, 473-490.	3.2	14
954	Locally linear embedding: a survey. Artificial Intelligence Review, 2011, 36, 29-48.	15.7	71
955	Class mean embedding for face recognition. Artificial Intelligence Review, 2011, 36, 285-297.	15.7	3
956	Approximation of Functions of Few Variables in High Dimensions. Constructive Approximation, 2011, 33, 125-143.	3.0	35
957	Spectral feature selection for shape characterization and classification. Visual Computer, 2011, 27, 1005-1019.	3.5	13
958	Exemplar based Laplacian Discriminant Projection. Expert Systems With Applications, 2011, 38, 1061-1065.	7.6	2
959	Orientability and diffusion maps. Applied and Computational Harmonic Analysis, 2011, 31, 44-58.	2.2	29
960	Feature extraction using two-dimensional local graph embedding based on maximum margin criterion. Applied Mathematics and Computation, 2011, 217, 9659-9668.	2.2	16
961	Transfer latent variable model based on divergence analysis. Pattern Recognition, 2011, 44, 2358-2366.	8.1	24

#	ARTICLE	IF	CITATIONS
962	From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. Pattern Recognition, 2011, 44, 1387-1402.	8.1	57
963	Incremental manifold learning by spectral embedding methods. Pattern Recognition Letters, 2011, 32, 1447-1455.	4.2	21
964	A measure of the local connectivity between graph vertices. Procedia Computer Science, 2011, 4, 196-205.	2.0	5
965	Incremental Alignment Manifold Learning. Journal of Computer Science and Technology, 2011, 26, 153-165.	1.5	12
966	Graph-based semi-supervised learning. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 17-26.	0.6	3
967	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	9
968	Codimensional matrix pairing perspective of BYY harmony learning: hierarchy of bilinear systems, joint decomposition of data-covariance, and applications of network biology. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 86-119.	0.6	27
969	Frame potential minimization for clustering short time series. Advances in Data Analysis and Classification, 2011, 5, 341-355.	1.4	1
970	Nearest-neighbor classifier motivated marginal discriminant projections for face recognition. Frontiers of Computer Science, 2011, 5, 419-428.	0.6	9
971	Nonlinear gene cluster analysis with labeling for microarray gene expression data in organ development. BMC Proceedings, 2011, 5, S3.	1.6	7
972	Design of new format for mass data compression. Journal of China Universities of Posts and Telecommunications, 2011, 18, 121-128.	0.8	5
973	Localized Fisher discriminant analysis based complex chemical process monitoring. AIChE Journal, 2011, 57, 1817-1828.	3.6	110
974	Trace optimization and eigenproblems in dimension reduction methods. Numerical Linear Algebra With Applications, 2011, 18, 565-602.	1.6	137
975	Pharmacophore alignment search tool: Influence of the third dimension on text-based similarity searching. Journal of Computational Chemistry, 2011, 32, 1618-1634.	3.3	2
976	Bearing performance degradation assessment using locality preserving projections. Expert Systems With Applications, 2011, 38, 7440-7450.	7.6	96
977	Nonlinear dimensionality reduction using a temporal coherence principle. Information Sciences, 2011, 181, 3284-3307.	6.9	24
978	Defining, contouring, and visualizing scalar functions on point-sampled surfaces. CAD Computer Aided Design, 2011, 43, 227-246.	2.7	3
979	Consistency of regularized spectral clustering. Applied and Computational Harmonic Analysis, 2011, 30, 319-336.	2.2	25

#	ARTICLE	IF	CITATIONS
980	A spectral notion of Gromov-Wasserstein distance and related methods. Applied and Computational Harmonic Analysis, 2011, 30, 363-401.	2.2	40
981	Nonlinear dimensionality reduction in molecular simulation: The diffusion map approach. Chemical Physics Letters, 2011, 509, 1-11.	2.6	141
982	Integration of bottom-up/top-down approaches for 2D pose estimation using probabilistic Gaussian modelling. Computer Vision and Image Understanding, 2011, 115, 242-255.	4.7	12
983	Diffusion maps as a framework for shape modeling. Computer Vision and Image Understanding, 2011, 115, 520-530.	4.7	7
984	Dimensionality reduction techniques for blog visualization. Expert Systems With Applications, 2011, 38, 2766-2773.	7.6	31
985	Graph-based representations of point clouds. Graphical Models, 2011, 73, 151-164.	2.4	31
986	Robust local tangent space alignment via iterative weighted PCA. Neurocomputing, 2011, 74, 1985-1993.	5.9	30
987	A multi-manifold discriminant analysis method for image feature extraction. Pattern Recognition, 2011, 44, 1649-1657.	8.1	159
988	A detailed investigation into low-level feature detection in spectrogram images. Pattern Recognition, 2011, 44, 2076-2092.	8.1	11
989	A structure-preserved local matching approach for face recognition. Pattern Recognition Letters, 2011, 32, 494-504.	4.2	14
990	Orthogonal local spline discriminant projection with application to face recognition. Pattern Recognition Letters, 2011, 32, 615-625.	4.2	2
991	Semi-supervised locally discriminant projection for classification and recognition. Knowledge-Based Systems, 2011, 24, 341-346.	7.1	26
992	Graph spectra in Computer Science. Linear Algebra and Its Applications, 2011, 434, 1545-1562.	0.9	62
993	A new quality assessment criterion for nonlinear dimensionality reduction. Neurocomputing, 2011, 74, 941-948.	5.9	22
994	Relevance learning in generative topographic mapping. Neurocomputing, 2011, 74, 1351-1358.	5.9	3
995	Learning low-rank kernel matrices for constrained clustering. Neurocomputing, 2011, 74, 2201-2211.	5.9	15
996	Discriminative learning by sparse representation for classification. Neurocomputing, 2011, 74, 2176-2183.	5.9	43
997	Online dimensionality reduction using competitive learning and Radial Basis Function network. Neural Networks, 2011, 24, 501-511.	5.9	12

#	ARTICLE	IF	CITATIONS
998	An improved local tangent space alignment method for manifold learning. Pattern Recognition Letters, 2011, 32, 181-189.	4.2	42
999	Manifold-respecting discriminant nonnegative matrix factorization. Pattern Recognition Letters, 2011, 32, 832-837.	4.2	30
1000	Complexity of approximation of functions of few variables in high dimensions. Journal of Complexity, 2011, 27, 141-150.	1.3	7
1001	Bearing performance degradation assessment using locality preserving projections and Gaussian mixture models. Mechanical Systems and Signal Processing, 2011, 25, 2573-2588.	8.0	218
1002	High-dimensional density estimation via SCA: An example in the modelling of hurricane tracks. Statistical Methodology, 2011, 8, 18-30.	0.5	9
1003	Selective locality preserving projections for face recognition. , 2011, , .		0
1004	Towards feature selection in network. , 2011, , .		64
1005	Coarse-to-fine classification via parametric and nonparametric models for computer-aided diagnosis. , 2011, , .		12
1006	Shape google. ACM Transactions on Graphics, 2011, 30, 1-20.	7.2	466
1007	Domain transform for edge-aware image and video processing. , 2011, , .		195
1008	An iterated graph laplacian approach for ranking on manifolds. , 2011, , .		22
1009	Image analysis with nonlinear adaptive dimension reduction. , 2011, , .		0
1010	Elements of geometry processing. , 2011, , .		2
1011	On the Relation of Slow Feature Analysis and Laplacian Eigenmaps. Neural Computation, 2011, 23, 3287-3302.	2.2	30
1012	Signal diffusion features for automatic target recognition in synthetic aperture sonar. , 2011, , .		5
1013	Local Fisher Discriminant Analysis with Maximum Margin Criterion for Image Recognition. , 2011, , .		1
1014	Techniques for the graph representation of spectral imagery. , 2011, , .		11
1015	Discriminant cuts for data clustering and analysis. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
1016	Toward the Optimization of Normalized Graph Laplacian. IEEE Transactions on Neural Networks, 2011, 22, 660-666.	4.2	25
1017	Manifold synthesis: Predicting a manifold from one sample. , 2011, , .		2
1018	Adaptive multiresolution analysis based on synchronization. Physical Review E, 2011, 84, 045202.	2.1	2
1020	A Diffusion Approach to Network Localization. IEEE Transactions on Signal Processing, 2011, 59, 2642-2654.	5.3	18
1021	Analysis of spectral clustering algorithms for linear and nonlinear time series. , 2011, , .		5
1022	Spectral learning of latent semantics for action recognition. , 2011, , .		5
1023	Max-margin clustering: Detecting margins from projections of points on lines. , 2011, , .		2
1024	Two-Dimensional Neighborhood Structure Preserving Projection. , 2011, , .		0
1025	Manifold alignment for multitemporal hyperspectral image classification. , 2011, , .		18
1026	Supervised local subspace learning for continuous head pose estimation. , 2011, , .		62
1027	An Error Bound for Eigenvalues of Graph Laplacian with Bounded Kernel Function. , 2011, , .		1
1028	Spectral signatures of point clouds and applications to detection of Alzheimer's Disease through Neuroimaging. , 2011, , .		2
1029	A New Algorithm for Robust Pedestrian Tracking Based on Manifold Learning and Feature Selection. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1195-1208.	8.0	18
1030	Manifold Learning and Recognition of Human Activity Using Body-Area Sensors. , 2011, , .		11
1031	Robust locally linear embedding using penalty functions. , 2011, , .		5
1032	Domain transform for edge-aware image and video processing. ACM Transactions on Graphics, 2011, 30, 1-12.	7.2	527
1033	Image annotation by k -NN-sparse graph-based label propagation over noisily tagged web images. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-15.	4.5	180
1034	Artificial Neural Networks and Machine Learning – ICANN 2011. Lecture Notes in Computer Science, 2011, , .	1.3	16

#	ARTICLE	IF	CITATIONS
1035	Nonnegative sparse coding for discriminative semi-supervised learning. , 2011, , .		76
1036	Natural Nearest Neighbor for Isomap Algorithm without Free-Parameter. Advanced Materials Research, 2011, 219-220, 994-998.	0.3	9
1037	Modeling Multivariate Time Series on Manifolds with Skew Radial Basis Functions. Neural Computation, 2011, 23, 97-123.	2.2	13
1038	Classification Criterion Based Neighborhood Optimization Method on Laplacian Eigenmaps. Advanced Materials Research, 2011, 403-408, 2679-2682.	0.3	0
1039	Uncorrelated and discriminative graph embedding for face recognition. Optical Engineering, 2011, 50, 077206.	1.0	0
1040	Integrating diffusion maps with umbrella sampling: Application to alanine dipeptide. Journal of Chemical Physics, 2011, 134, 135103.	3.0	64
1041	Automated spike sorting algorithm based on Laplacian eigenmaps and k -means clustering. Journal of Neural Engineering, 2011, 8, 016006.	3.5	51
1042	Sparse representation based spectral regression. , 2011, , .		1
1043	Improved support vectors for classification through preserving neighborhood geometric structure constraint. Optical Engineering, 2011, 50, 087202.	1.0	3
1044	Nonlinear Blind Source Separation Using GA Optimized RBF-ICA and its Application to the Image Noise Removal. Advanced Materials Research, 2011, 393-395, 205-208.	0.3	1
1045	Learning Semi-Riemannian Metrics for Semisupervised Feature Extraction. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 600-611.	5.7	14
1046	Artificial Neural Network Based Intrusion Detection Method Combined with Manifold Learning Algorithm. Applied Mechanics and Materials, 2011, 121-126, 3170-3174.	0.2	1
1047	Manifold learning combining imaging with non-imaging information. , 2011, , .		6
1048	Simplifying the representation of complex free-energy landscapes using sketch-map. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13023-13028.	7.1	261
1049	Fault Diagnosis Method Based on Supervised Manifold Learning and SVM. Advanced Materials Research, 0, 216, 223-227.	0.3	4
1050	A neighborhood parameter optimization method of LLE based on topology preservation. , 2011, , .		0
1051	Manifold learning for image-based breathing gating in MRI. Proceedings of SPIE, 2011, , .	0.8	4
1052	Discriminative locality preserving dimensionality reduction based on must-link constraints. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
1053	Face recognition with 3D real-time face imaging system based on LOGMAP. , 2011, , .		1
1054	A dynamic subspace learning method for tumor classification using microarray gene expression data. , 2011, , .		4
1055	A comparison study: Support vector machines for binary classification in machine learning. , 2011, , .		8
1056	Tree preserving embedding. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16916-16921.	7.1	13
1057	Intelligent Distributed Surveillance System for People Reidentification in a Transportation Environment. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2011, 15, 133-146.	4.2	9
1058	Ice Shape Characterization Using Self-Organizing Maps. Journal of Aircraft, 2011, 48, 724-730.	2.4	10
1059	Action recognition using graph embedding and the co-occurrence matrices descriptor. International Journal of Computer Mathematics, 2011, 88, 3896-3914.	1.8	5
1060	Lip contour tracking using multiple dynamic models on a manifold. , 2011, , .		1
1061	Regression from local features for viewpoint and pose estimation. , 2011, , .		44
1062	Metrics of the Laplace-Beltrami eigenfunctions for 2D shape matching. , 2011, , .		4
1063	Facial expression recognition based on ISOMAP. , 2011, , .		0
1064	Isograph: Neighbourhood Graph Construction Based on Geodesic Distance for Semi-supervised Learning. , 2011, , .		6
1065	Sparse bilinear preserving projections. , 2011, , .		0
1066	LOCALLY LINEAR EMBEDDING: A REVIEW. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 985-1008.	1.2	23
1067	Biological pathway inference using manifold embedding. , 2011, , .		1
1068	AN EFFICIENT EIGEN VALUES BASED TECHNIQUE FOR ONLINE IRIS IMAGE COMPRESSION AND IDENTIFICATION. International Journal of Information Acquisition, 2011, 08, 133-152.	0.2	3
1069	DISCRIMINATIVE LOCAL LEARNING PROJECTION FOR FACE RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 83-97.	1.2	4
1070	HIERARCHICAL DISTANCE METRIC LEARNING FOR LARGE MARGIN NEAREST NEIGHBOR CLASSIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 1073-1087.	1.2	24

#	ARTICLE	IF	CITATIONS
1071	UNCORRELATED LOCAL FISHER DISCRIMINANT ANALYSIS FOR FACE RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 863-887.	1.2	3
1072	Biased metric learning for person-independent head pose estimation. , 2011, , .		1
1073	A Link Analysis Extension of Correspondence Analysis for Mining Relational Databases. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 481-495.	5.7	18
1074	Collection-based sparse label propagation and its application on social group suggestion from photos. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-21.	4.5	11
1075	Graph partition and identification of cluster number in data analysis. , 2011, , .		0
1076	Tracking uncooperative person using a dynamic vision platform. Transactions of the Institute of Measurement and Control, 2011, 33, 823-845.	1.7	3
1077	Theoretical Analysis of LLE Based on Its Weighting Step. Journal of Computational and Graphical Statistics, 2012, 21, 380-393.	1.7	2
1078	DISTANCE-RATIO LEARNING FOR DATA VISUALIZATION. International Journal of Wavelets, Multiresolution and Information Processing, 2012, 10, 1250055.	1.3	0
1079	Computer Vision and Graphics. Lecture Notes in Computer Science, 2012, , .	1.3	7
1080	Particle Competition and Cooperation in Networks for Semi-Supervised Learning. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1686-1698.	5.7	56
1081	Robust head pose estimation using supervised manifold projection. , 2012, , .		2
1082	Commute time distance transformation applied to spectral imagery and its utilization in material clustering. Optical Engineering, 2012, 51, 076202.	1.0	9
1083	Machine Performance Degradation Recognition Using Locality Preserving Projections and Clustering Approach. Advanced Materials Research, 2012, 443-444, 929-934.	0.3	0
1084	Two-Dimensional Extensions of Neighborhood Preserving Embedding. Applied Mechanics and Materials, 0, 198-199, 420-425.	0.2	0
1085	6DoF object pose measurement by a monocular manifold-based pattern recognition technique. Measurement Science and Technology, 2012, 23, 114005.	2.6	8
1086	An adaptive solution for intra-operative gesture-based human-machine interaction. , 2012, , .		31
1087	Enhanced eigenspace separation transform for classification. , 2012, , .		1
1088	A spectral clustering technique for studying post-transplant kidney functions. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
1089	Nonparametric semi-supervised learning for network intrusion detection. , 2012, , .		22
1090	An improved SIFT matching algorithm based on locality preserving projection LPP. , 2012, , .		3
1091	Neighborhood preserving hashing for fast similarity search. , 2012, , .		3
1092	Towards an efficient multiscale modeling of low-dimensional reactive systems: Study of numerical closure procedures. Journal of Chemical Physics, 2012, 137, 204115.	3.0	0
1093	The symmetries of image formation by scattering I Theoretical framework. Optics Express, 2012, 20, 12799.	3.4	56
1094	The symmetries of image formation by scattering II Applications. Optics Express, 2012, 20, 12827.	3.4	49
1095	Video manifold modelling. , 2012, , .		0
1096	Efficient manifold learning for 3D model retrieval by using clustering-based training sample reduction. , 2012, , .		2
1097	Combining imaging and clinical data in manifold learning: Distance-based and graph-based extensions of Laplacian Eigenmaps. , 2012, , .		0
1098	Manifold regression for subsurface contaminant characterization. , 2012, , .		3
1099	Automatic detection of non-posed facial action units. , 2012, , .		20
1100	Bimodal Discriminant Projection Analysis for gait recognition. , 2012, , .		0
1101	High Resolution Range Profile Recognition Using Robust Kernel Neighborhood Preserving Projection. , 2012, , .		0
1102	Embedding Retrieval of Articulated Geometry Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2134-2146.	13.9	6
1103	Manifold learning for analysis of low-order nonlinear dynamics in high-dimensional electrocardiographic signals. , 2012, 2012, 844-847.		5
1104	An Evaluation on Different Graphs for Semi-supervised Learning. Lecture Notes in Computer Science, 2012, , 58-65.	1.3	2
1105	Improving the Locality Preserving Projection for dimensionality reduction. , 2012, , .		10
1106	Diffusion maps for exploring electro-optical synthetic vehicle image data. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
1107	Detecting diseased images by segmentation and classification based on semi - supervised learning. , 2012, , .		2
1108	Calculations of the structure of basin volumes for mechanically stable packings. Physical Review E, 2012, 85, 061307.	2.1	31
1109	Semi-supervised dimensionality reduction based on global and local scatter. , 2012, , .		0
1110	Supervised Manifold Learning and Kernel Independent Component Analysis Applied to the Face Image Recognition. , 2012, , .		4
1111	Biomedical Data Analysis by Supervised Manifold Learning. , 2012, 2012, 41-4.		2
1112	Locally Learning Biomedical Data Using Diffusion Frames. Journal of Computational Biology, 2012, 19, 1251-1264.	1.6	23
1113	Geodesic Based Semi-supervised Multi-manifold Feature Extraction. , 2012, , .		8
1114	Graph-based regularization for color image demosaicking. , 2012, , .		6
1115	FINGERPRINT IMAGE SEGMENTATION USING DATA MANIFOLD CHARACTERISTIC FEATURES. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1256010.	1.2	7
1116	Model Reduction Using Iterative Solver for Burgers Equation. , 2012, , .		1
1117	Hierarchical structure of the Madden-Julian oscillation in infrared brightness temperature revealed through nonlinear Laplacian spectral analysis. , 2012, , .		9
1118	DIMENSION REDUCTION FOR ANALYSIS OF UNSTABLE PERIODIC ORBITS USING LOCALLY LINEAR EMBEDDING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1230001.	1.7	1
1119	CORRELATION-BASED MULTIDIMENSIONAL SCALING FOR UNSUPERVISED SUBSPACE LEARNING. International Journal of Wavelets, Multiresolution and Information Processing, 2012, 10, 1250030.	1.3	0
1120	A video shot segmentation method based on manifold dimension reduction. , 2012, , .		1
1121	Spike sorting of heterogeneous neuron types by multimodality-weighted PCA and explicit robust variational Bayes. Frontiers in Neuroinformatics, 2012, 6, 5.	2.5	59
1122	Nonlinear Laplacian spectral analysis for time series with intermittency and low-frequency variability. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2222-2227.	7.1	163
1123	Intention Recognition with Clustering. Lecture Notes in Computer Science, 2012, , 379-384.	1.3	4
1124	Matching of Shapes Bound by Freeform Curves. Computer-Aided Design and Applications, 2012, 9, 133-146.	0.6	2

#	ARTICLE	IF	CITATIONS
1125	A-Optimal Non-negative Projection for image representation. , 2012, , .		7
1126	Proximity-Based Frameworks for Generating Embeddings from Multi-Output Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2216-2232.	13.9	28
1127	A linear transport-based embedding method for analyzing biomedical images. , 2012, , .		0
1128	Nonlinearities and Adaptation of Color Vision from Sequential Principal Curves Analysis. Neural Computation, 2012, 24, 2751-2788.	2.2	36
1129	Graph spectral techniques in computer sciences. Applicable Analysis and Discrete Mathematics, 2012, 6, 1-30.	0.7	23
1130	Using sketch-map coordinates to analyze and bias molecular dynamics simulations. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5196-5201.	7.1	147
1131	Nonlocal and multivariate mathematical morphology. , 2012, , .		9
1132	Sparse methods for biomedical data. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2012, 14, 4-15.	4.0	62
1133	Guided text analysis using adaptive visual analytics. , 2012, , .		2
1134	A novel margin-based linear embedding technique for visual object recognition. Proceedings of SPIE, 2012, , .	0.8	0
1135	Global Linear Neighborhoods for Efficient Label Propagation. , 2012, , .		25
1136	Gleason grading of prostate histology utilizing manifold regularization via statistical shape model of manifolds. , 2012, , .		6
1137	Localised manifold learning for cardiac image analysis. , 2012, , .		2
1138	Towards the Optimal Discriminant Subspace. , 2012, , .		0
1139	Heterogeneous Data Fusion via Space Alignment Using Nonmetric Multidimensional Scaling. , 2012, , .		17
1140	Development of a semi-automated method for mitral valve modeling with medial axis representation using 3D ultrasound. Medical Physics, 2012, 39, 933-950.	3.0	29
1142	Comparing low-frequency and intermittent variability in comprehensive climate models through nonlinear Laplacian spectral analysis. Geophysical Research Letters, 2012, 39, .	4.0	23
1143	Learning Video Manifolds for Content Analysis of Crowded Scenes. IPSJ Transactions on Computer Vision and Applications, 2012, 4, 71-77.	4.4	5

#	ARTICLE	IF	CITATIONS
1144	Sensor network localization by eigenvector synchronization over the euclidean group. ACM Transactions on Sensor Networks, 2012, 8, 1-42.	3.6	66
1145	Bias Selection Using Task-Targeted Random Subspaces for Robust Application of Graph-Based Semi-supervised Learning. , 2012, , .		0
1146	A Comparison of Graph Embedding Methods for Vertex Nomination. , 2012, , .		5
1147	Dynamic shape modeling of the mitral valve from real-time 3D ultrasound images using continuous medial representation. , 2012, , .		0
1148	The eyes have it: Making positive expressions more positive and negative expressions more negative.. Emotion, 2012, 12, 430-436.	1.8	98
1149	Nonlinear manifold representations for functional data. Annals of Statistics, 2012, 40, .	2.6	32
1150	Local and Nonlocal Preserving Projection for Bearing Defect Classification and Performance Assessment. IEEE Transactions on Industrial Electronics, 2012, 59, 2363-2376.	7.9	144
1151	Discriminative Feature Selection by Nonparametric Bayes Error Minimization. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1422-1434.	5.7	31
1152	Face recognition with manifold-based kernel discriminant analysis. , 2012, , .		3
1153	Subspace Learning from Image Gradient Orientations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2454-2466.	13.9	196
1154	Using Hurst and Lyapunov Exponent For Hyperspectral Image Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 705-709.	3.1	35
1155	Unsupervised Image Matching Based on Manifold Alignment. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1658-1664.	13.9	30
1156	Featureâ€Preserving Reconstruction of Singular Surfaces. Computer Graphics Forum, 2012, 31, 1787-1796.	3.0	15
1157	Semiconductor Manufacturing Process Monitoring Using Gaussian Mixture Model and Bayesian Method With Local and Nonlocal Information. IEEE Transactions on Semiconductor Manufacturing, 2012, 25, 480-493.	1.7	36
1158	Fuzzy local maximal marginal embedding for feature extraction. Soft Computing, 2012, 16, 77-87.	3.6	17
1159	Shape retrieval based on manifold learning by fusion of dissimilarity measures. IET Image Processing, 2012, 6, 327.	2.5	22
1160	Feature extraction based on fuzzy class mean embedding (FCME) with its application to face and palm biometrics. Machine Vision and Applications, 2012, 23, 985-997.	2.7	8
1161	Class-specific metrics for multidimensional data projection applied to CBIR. Visual Computer, 2012, 28, 1027-1037.	3.5	3

#	ARTICLE	IF	CITATIONS
1162	Face recognition via local preserving average neighborhood margin maximization and extreme learning machine. <i>Soft Computing</i> , 2012, 16, 1515-1523.	3.6	12
1163	Feature extraction using maximum variance sparse mapping. <i>Neural Computing and Applications</i> , 2012, 21, 1827-1833.	5.6	10
1164	Weighted linear embedding: utilizing local and nonlocal information sufficiently. <i>Neural Computing and Applications</i> , 2012, 21, 1845-1853.	5.6	1
1165	Dynamic transition embedding for image feature extraction and recognition. <i>Neural Computing and Applications</i> , 2012, 21, 1905-1915.	5.6	4
1166	From NLDA to LDA/GSVD: a modified NLDA algorithm. <i>Neural Computing and Applications</i> , 2012, 21, 1575-1583.	5.6	2
1167	Maximum inter-class and marginal discriminant embedding (MIMDE) for feature extraction and classification. <i>Neural Computing and Applications</i> , 2012, 21, 1737-1743.	5.6	8
1168	Exploiting visual quasi-periodicity for real-time chewing event detection using active appearance models and support vector machines. <i>Personal and Ubiquitous Computing</i> , 2012, 16, 729-739.	2.8	26
1169	Tensorized Feature Extraction Technique for Multimodality Preserving Manifold Visualization. <i>Journal of Mathematical Imaging and Vision</i> , 2012, 44, 295-314.	1.3	0
1170	Local and global principal component analysis for process monitoring. <i>Journal of Process Control</i> , 2012, 22, 1358-1373.	3.3	133
1171	Marginal semi-supervised sub-manifold projections with informative constraints for dimensionality reduction and recognition. <i>Neural Networks</i> , 2012, 36, 97-111.	5.9	33
1172	Multi-overlapped based global registration of UAV images. , 2012, , .		0
1173	Neighborhood Preserving Non-negative Tensor Factorization for image representation. , 2012, , .		15
1174	A new embedding quality assessment method for manifold learning. <i>Neurocomputing</i> , 2012, 97, 251-266.	5.9	24
1175	Mixture weight influence on kernel entropy component analysis and semi-supervised learning using the Lasso. , 2012, , .		4
1176	Scalable k-NN graph construction for visual descriptors. , 2012, , .		63
1177	Geometric understanding of point clouds using Laplace-Beltrami operator. , 2012, , .		18
1178	Real-Time Estimation of Hands Gestures from Monocular Video. , 2012, , .		0
1179	Action classification in polarimetric infrared imagery via diffusion maps. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
1180	Sensorimotor learning of sound localization from an auditory evoked behavior. , 2012, , .		10
1181	Learning Hough Forest with Depth-Encoded Context for Object Detection. , 2012, , .		2
1182	Visual pattern discovery using random projections. , 2012, , .		22
1183	Stochastic unfolding. , 2012, , .		0
1184	Isometric Multi-manifold Learning for Feature Extraction. , 2012, , .		16
1185	Search and Retrieval of Rich Media Objects Supporting Multiple Multimodal Queries. IEEE Transactions on Multimedia, 2012, 14, 734-746.	7.2	32
1186	Time-frequency manifold for demodulation with application to gearbox fault detection. , 2012, , .		3
1187	Photo Stream Alignment and Summarization for Collaborative Photo Collection and Sharing. IEEE Transactions on Multimedia, 2012, 14, 1642-1651.	7.2	18
1188	MedVir: 3D visual interface applied to gene profile analysis. , 2012, , .		0
1189	Globally maximizing, locally minimizing: Regularized Nonnegative Matrix Factorization for hyperspectral data feature extraction. , 2012, , .		4
1190	Enhancement of Satellite Precipitation Estimation via Unsupervised Dimensionality Reduction. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3931-3940.	6.3	4
1191	Two-stage appearance-based re-identification of humans in low-resolution videos. , 2012, , .		2
1192	iLAMP: Exploring high-dimensional spacing through backward multidimensional projection. , 2012, , .		27
1193	Noise-adjusted sparsity-preserving-based dimensionality reduction for hyperspectral image classification. , 2012, , .		0
1194	A Fault Feature Extraction Method for Machine Health Diagnosis Using Manifold Learning. , 2012, , .		0
1195	Gene Classification Using Parameter-Free Semi-Supervised Manifold Learning. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 818-827.	3.0	20
1196	Thin Plate Spline Latent Variable Models for dimensionality reduction. , 2012, , .		0
1197	Appearance-based face recognition using a supervised manifold learning framework. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
1198	A General Framework for Dimensionality-Reducing Data Visualization Mapping. Neural Computation, 2012, 24, 771-804.	2.2	75
1199	Linear basis-function t-SNE for fast nonlinear dimensionality reduction. , 2012, , .		28
1200	Extracting the informative constraints for semi-supervised marginal projections in multimodal dimensionality reduction. , 2012, , .		1
1201	Discriminating classes collapsing for Globality and Locality Preserving Projections. , 2012, , .		0
1202	A Random Walk on Image Patches. SIAM Journal on Imaging Sciences, 2012, 5, 688-725.	2.2	10
1203	Feature extraction of dual-pol SAR imagery for sea ice image segmentation. Canadian Journal of Remote Sensing, 2012, 38, 352-366.	2.4	12
1204	Locally linear embedding method for dimensionality reduction of tissue sections of endometrial carcinoma by near infrared spectroscopy. Analytica Chimica Acta, 2012, 724, 12-19.	5.4	23
1205	Patch-to-tensor embedding. Applied and Computational Harmonic Analysis, 2012, 33, 182-203.	2.2	7
1206	Machine learning and radiology. Medical Image Analysis, 2012, 16, 933-951.	11.6	497
1207	Natural metrics and least-committed priors for articulated tracking. Image and Vision Computing, 2012, 30, 453-461.	4.5	14
1208	On nonlinear dimensionality reduction for face recognition. Image and Vision Computing, 2012, 30, 355-366.	4.5	24
1209	Transductive Bayesian regression via manifold learning of prior data structure. Expert Systems With Applications, 2012, 39, 12557-12563.	7.6	5
1210	Histology image analysis for carcinoma detection and grading. Computer Methods and Programs in Biomedicine, 2012, 107, 538-556.	4.7	260
1211	Using data mining to enable integration of wind resources on the power grid. Statistical Analysis and Data Mining, 2012, 5, 410-427.	2.8	7
1212	Adaptive Data Embedding Framework for Multiclass Classification. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1291-1303.	11.3	19
1213	Hyperspectral image segmentation using spatial-spectral graphs. Proceedings of SPIE, 2012, , .	0.8	30
1215	Graph-Oriented Learning via Automatic Group Sparsity for Data Analysis. , 2012, , .		11
1216	An improved biometrics technique based on metric learning approach. Neurocomputing, 2012, 97, 44-51.	5.9	31

#	ARTICLE	IF	CITATIONS
1217	Face Recognition based on Fuzzy Linear Discriminant Analysis. IERI Procedia, 2012, 2, 873-879.	0.3	6
1218	A tree-based regressor that adapts to intrinsic dimension. Journal of Computer and System Sciences, 2012, 78, 1496-1515.	1.2	23
1219	Constrained large Margin Local Projection algorithms and extensions for multimodal dimensionality reduction. Pattern Recognition, 2012, 45, 4466-4493.	8.1	25
1220	Spare Projections with Pairwise Constraints. Procedia Engineering, 2012, 29, 1028-1033.	1.2	0
1221	Semi-Supervised Locality Discriminant Projection. Procedia Engineering, 2012, 29, 1319-1324.	1.2	0
1222	Constrained manifold learning for the characterization of pathological deviations from normality. Medical Image Analysis, 2012, 16, 1532-1549.	11.6	33
1223	Adaptive Hypergraph Learning and its Application in Image Classification. IEEE Transactions on Image Processing, 2012, 21, 3262-3272.	9.8	341
1224	Stability of Dimensionality Reduction Methods Applied on Artificial Hyperspectral Images. Lecture Notes in Computer Science, 2012, , 465-474.	1.3	6
1225	Online Moving Camera Background Subtraction. Lecture Notes in Computer Science, 2012, , 228-241.	1.3	54
1227	Sparse Approximation to the Eigensubspace for Discrimination. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1948-1960.	11.3	59
1228	Manifold learning for atlas selection in multi atlas-based segmentation of hippocampus. Proceedings of SPIE, 2012, , .	0.8	2
1229	Sparse coding for hyperspectral images using random dictionary and soft thresholding. Proceedings of SPIE, 2012, , .	0.8	3
1230	Multimode Process Monitoring Based on Fuzzy C-means in Locality Preserving Projection Subspace. Chinese Journal of Chemical Engineering, 2012, 20, 1174-1179.	3.5	25
1231	Pose-Invariant Face Recognition in Videos for Human-Machine Interaction. Lecture Notes in Computer Science, 2012, , 566-575.	1.3	4
1232	Coupled Kernel Embedding for Low-Resolution Face Image Recognition. IEEE Transactions on Image Processing, 2012, 21, 3770-3783.	9.8	79
1233	Neural Information Processing. Lecture Notes in Computer Science, 2012, , .	1.3	3
1235	Engineering Applications of Neural Networks. Communications in Computer and Information Science, 2012, , .	0.5	3
1236	Predicting expression-related features of chromosomal domain organization with network-structured analysis of gene expression and chromosomal location. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
1237	Collaborative Representation Based Projections for Face Recognition. Communications in Computer and Information Science, 2012, , 276-283.	0.5	4
1238	Mining Web Graphs for Recommendations. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1051-1064.	5.7	49
1240	Mani-Web: Large-Scale Web Graph Embedding via Laplacian Eigenmap Approximation. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 879-888.	2.9	2
1244	Chaotic Neural Network and Multidimensional Data Analysis in Biometric Applications. , 2012, , 153-169.		0
1245	Deep Learning via Semi-supervised Embedding. Lecture Notes in Computer Science, 2012, , 639-655.	1.3	296
1247	Machine Learning in Medical Imaging. Lecture Notes in Computer Science, 2012, , .	1.3	5
1249	Partially labeled data stream classification with the semi-supervised K-associated graph. Journal of the Brazilian Computer Society, 2012, 18, 299-310.	1.3	15
1250	GPU-FS-kNN: A Software Tool for Fast and Scalable kNN Computation Using GPUs. PLoS ONE, 2012, 7, e44000.	2.5	54
1251	Decoding Lifespan Changes of the Human Brain Using Resting-State Functional Connectivity MRI. PLoS ONE, 2012, 7, e44530.	2.5	100
1252	Heterogeneous datasets representation and learning using diffusion maps and Laplacian pyramids. , 2012, , .		30
1253	A re-coloring approach for graph b-coloring based clustering. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2012, 16, 117-128.	1.0	1
1254	Generation of Cryptographic Keys from Personal Biometrics: An Illustration Based on Fingerprints. , 2012, , .		1
1256	A Tensor Based Isometric Projection Algorithm. Advanced Engineering Forum, 2012, 4, 183-188.	0.3	0
1257	Performance improvement in image clustering using local discriminant model and global integration. , 2012, , .		0
1258	A Laplacian spectral method in phase I analysis of profiles. Applied Stochastic Models in Business and Industry, 2012, 28, 251-263.	1.5	5
1259	Vector diffusion maps and the connection Laplacian. Communications on Pure and Applied Mathematics, 2012, 65, 1067-1144.	3.1	154
1260	Learning sparse gradients for variable selection and dimension reduction. Machine Learning, 2012, 87, 303-355.	5.4	15
1261	Dimensionality reduction with latent variable model. Frontiers of Electrical and Electronic Engineering, 2012, 7, 116-126.	0.5	0

#	ARTICLE	IF	CITATIONS
1262	Distribution quantification on dermoscopy images for computer-assisted diagnosis of cutaneous melanomas. Medical and Biological Engineering and Computing, 2012, 50, 503-513.	2.8	29
1263	Feature extraction using orthogonal discriminant local tangent space alignment. Pattern Analysis and Applications, 2012, 15, 249-259.	4.6	18
1264	Enhanced semi-supervised local Fisher discriminant analysis for face recognition. Future Generation Computer Systems, 2012, 28, 244-253.	7.5	37
1265	Semi-supervised wavelet shrinkage. Computational Statistics and Data Analysis, 2012, 56, 1681-1691.	1.2	1
1266	Learning semantic features for action recognition via diffusion maps. Computer Vision and Image Understanding, 2012, 116, 361-377.	4.7	42
1267	Commute time guided transformation for feature extraction. Computer Vision and Image Understanding, 2012, 116, 473-483.	4.7	18
1268	Novel approaches for synthesizing video textures. Expert Systems With Applications, 2012, 39, 828-839.	7.6	6
1269	Gene expression data classification based on improved semi-supervised local Fisher discriminant analysis. Expert Systems With Applications, 2012, 39, 2314-2320.	7.6	11
1270	Kernel ridge regression for out-of-sample mapping in supervised manifold learning. Expert Systems With Applications, 2012, 39, 7757-7762.	7.6	35
1271	Spectral clustering with discriminant cuts. Knowledge-Based Systems, 2012, 28, 27-37.	7.1	13
1272	Face recognition using discriminant sparsity neighborhood preserving embedding. Knowledge-Based Systems, 2012, 31, 119-127.	7.1	56
1273	Path Laplacian matrices: Introduction and application to the analysis of consensus in networks. Linear Algebra and Its Applications, 2012, 436, 3373-3391.	0.9	45
1274	Graph based k-means clustering. Signal Processing, 2012, 92, 1970-1984.	3.7	63
1275	Interactive cartoon reusing by transfer learning. Signal Processing, 2012, 92, 2147-2158.	3.7	13
1276	On the regularized Laplacian eigenmaps. Journal of Statistical Planning and Inference, 2012, 142, 1627-1643.	0.6	6
1277	Manifold learning for image-based breathing gating in ultrasound and MRI. Medical Image Analysis, 2012, 16, 806-818.	11.6	76
1278	Nonlinear dimensionality reduction combining MR imaging with non-imaging information. Medical Image Analysis, 2012, 16, 819-830.	11.6	50
1279	Semi-supervised dimensionality reduction for analyzing high-dimensional data with constraints. Neurocomputing, 2012, 76, 114-124.	5.9	16

#	ARTICLE	IF	CITATIONS
1280	Semi-supervised learning guided by the modularity measure in complex networks. Neurocomputing, 2012, 78, 30-37.	5.9	24
1281	Extended local tangent space alignment for classification. Neurocomputing, 2012, 77, 261-266.	5.9	13
1282	Spectral clustering: A semi-supervised approach. Neurocomputing, 2012, 77, 229-242.	5.9	78
1283	Robust linearly optimized discriminant analysis. Neurocomputing, 2012, 79, 140-157.	5.9	20
1284	Local similarity and diversity preserving discriminant projection for face and handwriting digits recognition. Neurocomputing, 2012, 86, 150-157.	5.9	18
1285	Reconstructive discriminant analysis: A feature extraction method induced from linear regression classification. Neurocomputing, 2012, 87, 41-50.	5.9	24
1286	Complete local Fisher discriminant analysis with Laplacian score ranking for face recognition. Neurocomputing, 2012, 89, 64-77.	5.9	16
1287	Learning from pairwise constraints by Similarity Neural Networks. Neural Networks, 2012, 26, 141-158.	5.9	19
1288	Structured sparse linear graph embedding. Neural Networks, 2012, 27, 38-44.	5.9	13
1289	Supervised optimal locality preserving projection. Pattern Recognition, 2012, 45, 186-197.	8.1	105
1290	Recognizing multiple human activities and tracking full-body pose in unconstrained environments. Pattern Recognition, 2012, 45, 11-23.	8.1	26
1291	Graph optimization for dimensionality reduction with sparsity constraints. Pattern Recognition, 2012, 45, 1205-1210.	8.1	77
1292	Trace ratio criterion based generalized discriminative learning for semi-supervised dimensionality reduction. Pattern Recognition, 2012, 45, 1482-1499.	8.1	72
1293	Kernel discriminant analysis for regression problems. Pattern Recognition, 2012, 45, 2019-2031.	8.1	11
1294	A supervised non-linear dimensionality reduction approach for manifold learning. Pattern Recognition, 2012, 45, 2432-2444.	8.1	115
1295	Discriminant sparse neighborhood preserving embedding for face recognition. Pattern Recognition, 2012, 45, 2884-2893.	8.1	229
1296	Face recognition using Elasticfaces. Pattern Recognition, 2012, 45, 3866-3876.	8.1	20
1297	An effective double-bounded tree-connected Isomap algorithm for microarray data classification. Pattern Recognition Letters, 2012, 33, 9-16.	4.2	22

#	ARTICLE	IF	CITATIONS
1298	Logistic label propagation. Pattern Recognition Letters, 2012, 33, 580-588.	4.2	22
1299	Image classification by multimodal subspace learning. Pattern Recognition Letters, 2012, 33, 1196-1204.	4.2	28
1300	A new paradigm to compare a subject to a statistical model. Application to the detection of skull abnormalities. Pattern Recognition Letters, 2012, 33, 1309-1315.	4.2	2
1301	Block-based Kernel Semi-supervised Discriminant Projection. Physics Procedia, 2012, 24, 1959-1966.	1.2	0
1302	Unsupervised Discriminant Analysis Based on the Local and Non-local Mean. Physics Procedia, 2012, 24, 1967-1973.	1.2	2
1303	A wave change analysis (WCA) method for pipeline leak detection using Gaussian mixture model. Journal of Loss Prevention in the Process Industries, 2012, 25, 60-69.	3.3	36
1304	Nonlinear dimensionality reduction and mapping of compound libraries for drug discovery. Journal of Molecular Graphics and Modelling, 2012, 34, 108-117.	2.4	72
1305	Multiview Face Recognition: From TensorFace to V-TensorFace and K-TensorFace. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 320-333.	5.0	24
1306	Using Bilevel Feature Extractors to Reduce Dimensionality in Images. Computing in Science and Engineering, 2012, 14, 60-67.	1.2	0
1307	Laplacian Eigenmaps for Automatic Story Segmentation of Broadcast News. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 276-289.	3.2	34
1308	Detection and Analysis of Transitional Activity in Manifold Space. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 119-128.	3.2	17
1309	Endoscopic Video Manifolds for Targeted Optical Biopsy. IEEE Transactions on Medical Imaging, 2012, 31, 637-653.	8.9	30
1310	Network-Based Stochastic Semisupervised Learning. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 451-466.	11.3	47
1311	Tracking Mobile Users in Wireless Networks via Semi-Supervised Colocalization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 587-600.	13.9	125
1312	A Least-Squares Framework for Component Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1041-1055.	13.9	137
1313	Ensemble Manifold Regularization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1227-1233.	13.9	196
1314	Semi-Supervised Dimensionality Reduction based on Partial Least Squares for Visual Analysis of High Dimensional Data. Computer Graphics Forum, 2012, 31, 1345-1354.	3.0	11
1315	Assessing and predicting protein interactions by combining manifold embedding with multiple information integration. BMC Bioinformatics, 2012, 13, S3.	2.6	53

#	ARTICLE	IF	CITATIONS
1316	Capturing Ridge Functions in High Dimensions from Point Queries. Constructive Approximation, 2012, 35, 225-243.	3.0	41
1317	A variational model for normal computation of point clouds. Visual Computer, 2012, 28, 163-174.	3.5	23
1318	Feature Extraction Using a Complete Kernel Extension of Supervised Graph Embedding. Neural Processing Letters, 2012, 35, 159-175.	3.2	0
1319	Analysis of alignment algorithms with mixed dimensions for dimensionality reduction. Numerical Linear Algebra With Applications, 2013, 20, 369-384.	1.6	1
1320	SEMISUPERVISED MULTIMODAL DIMENSIONALITY REDUCTION. Computational Intelligence, 2013, 29, 70-110.	3.2	1
1321	Erosion band signatures for spatial extraction of features. Machine Vision and Applications, 2013, 24, 695-705.	2.7	5
1322	Sparse non Gaussian component analysis by semidefinite programming. Machine Learning, 2013, 91, 211-238.	5.4	4
1323	Human action segmentation and classification based on the Isomap algorithm. Multimedia Tools and Applications, 2013, 62, 561-580.	3.9	10
1324	Parameterless Local Discriminant Embedding. Neural Processing Letters, 2013, 38, 53-67.	3.2	3
1325	Discriminative Nonnegative Spectral Clustering with Out-of-Sample Extension. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1760-1771.	5.7	56
1328	A unified framework for multimodal retrieval. Pattern Recognition, 2013, 46, 3358-3370.	8.1	40
1329	Homeomorphic Manifold Analysis (HMA): Generalized separation of style and content on manifolds. Image and Vision Computing, 2013, 31, 291-310.	4.5	19
1330	Solving Partial Differential Equations on Point Clouds. SIAM Journal of Scientific Computing, 2013, 35, A1461-A1486.	2.8	50
1331	Time-frequency manifold for nonlinear feature extraction in machinery fault diagnosis. Mechanical Systems and Signal Processing, 2013, 35, 200-218.	8.0	65
1332	Emerging Intelligent Computing Technology and Applications. Communications in Computer and Information Science, 2013, , .	0.5	1
1333	Condensing the omics fog of microbial communities. Trends in Microbiology, 2013, 21, 325-333.	7.7	74
1334	Hierarchical Feature Extraction With Local Neural Response for Image Recognition. IEEE Transactions on Cybernetics, 2013, 43, 412-424.	9.5	38
1336	Supervised Graph Embedding for Polarimetric SAR Image Classification. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 216-220.	3.1	67

#	ARTICLE	IF	CITATIONS
1337	Voice Activity Detection in Presence of Transient Noise Using Spectral Clustering. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1261-1271.	3.2	44
1339	Toward finding hidden communities based on user profile. Journal of Intelligent Information Systems, 2013, 40, 189-209.	3.9	15
1340	Representation Learning: A Review and New Perspectives. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1798-1828.	13.9	8,225
1341	EEG/MEG Source Reconstruction with Spatial-Temporal Two-Way Regularized Regression. Neuroinformatics, 2013, 11, 477-493.	2.8	2
1342	Fuzzy two-dimensional local graph embedding discriminant analysis (F2DLGEDA) with its application to face and palm biometrics. Neural Computing and Applications, 2013, 23, 201-207.	5.6	2
1343	Sparse margin-based discriminant analysis for feature extraction. Neural Computing and Applications, 2013, 23, 1523-1529.	5.6	4
1344	A novel matrix-based method for face recognition. Neural Computing and Applications, 2013, 23, 2261-2265.	5.6	2
1345	Face recognition using fuzzy maximum scatter discriminant analysis. Neural Computing and Applications, 2013, 23, 957-964.	5.6	4
1346	Fast Fisher Sparsity Preserving Projections. Neural Computing and Applications, 2013, 23, 691-705.	5.6	12
1347	Nonlinear discriminant clustering based on spectral regularization. Neural Computing and Applications, 2013, 22, 1599-1608.	5.6	3
1348	Image Compression by Learning to Minimize the Total Error. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 565-576.	8.3	15
1349	MSIDX: Multi-Sort Indexing for Efficient Content-Based Image Search and Retrieval. IEEE Transactions on Multimedia, 2013, 15, 1415-1430.	7.2	25
1350	Co-Occurrence-Based Diffusion for Expert Search on the Web. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1001-1014.	5.7	11
1351	Isometric sliced inverse regression for nonlinear manifold learning. Statistics and Computing, 2013, 23, 563-576.	1.5	6
1352	State-Space Analysis of Working Memory in Schizophrenia: An FBIRN Study. Psychometrika, 2013, 78, 279-307.	2.1	6
1353	Manifold Constrained Transfer of Facial Geometric Knowledge for 3D Caricature Reconstruction. Journal of Computer Science and Technology, 2013, 28, 479-489.	1.5	2
1354	Increasing the reliability of protein-protein interaction networks via non-convex semantic embedding. Neurocomputing, 2013, 121, 99-107.	5.9	51
1355	Visualizing Mutually Nondominating Solution Sets in Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2013, 17, 165-184.	10.0	221

#	ARTICLE	IF	CITATIONS
1356	Data Mining in Materials Science and Engineering. , 2013, , 17-36.		2
1357	Unsupervised Process Monitoring and Fault Diagnosis with Machine Learning Methods. Advances in Computer Vision and Pattern Recognition, 2013, , .	1.3	75
1358	High efficiency and quality: large graphs matching. VLDB Journal, 2013, 22, 345-368.	4.1	23
1359	Fuzzy spectral clustering by PCCA+: application to Markov state models and data classification. Advances in Data Analysis and Classification, 2013, 7, 147-179.	1.4	294
1360	Random walk distances in data clustering and applications. Advances in Data Analysis and Classification, 2013, 7, 83-108.	1.4	6
1361	A Novel Method for Hyperspectral Image Classification Based on Laplacian Eigenmap Pixels Distribution-Flow. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1602-1618.	4.9	44
1362	A fast classification scheme and its application to face recognition. Journal of Zhejiang University: Science C, 2013, 14, 561-572.	0.7	3
1363	Regularized Semi-Supervised Latent Dirichlet Allocation for visual concept learning. Neurocomputing, 2013, 119, 26-32.	5.9	11
1364	Increasing reliability of protein interactome by fast manifold embedding. Pattern Recognition Letters, 2013, 34, 372-379.	4.2	28
1365	Dimension estimation of image manifolds by minimal cover approximation. Neurocomputing, 2013, 105, 19-29.	5.9	10
1366	Video analysis based on Multi-Kernel Representation with automatic parameter choice. Neurocomputing, 2013, 100, 117-126.	5.9	4
1367	An efficient method for finding intersections of many manifolds with application to patch based image processing. , 2013, , .		1
1368	Multiple kernel local Fisher discriminant analysis for face recognition. Signal Processing, 2013, 93, 1496-1509.	3.7	34
1369	Ordinal regularized manifold feature extraction for image ranking. Signal Processing, 2013, 93, 1651-1661.	3.7	13
1370	Modified kernel principal component analysis based on local structure analysis and its application to nonlinear process fault diagnosis. Chemometrics and Intelligent Laboratory Systems, 2013, 127, 195-209.	3.5	108
1371	Semi-supervised low-rank representation graph for pattern recognition. IET Image Processing, 2013, 7, 131-136.	2.5	20
1372	Making sense of big data. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18031-18032.	7.1	30
1373	Binary- and Multi-class Group Sparse Canonical Correlation Analysis for Feature Extraction and Classification. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2192-2205.	5.7	58

#	ARTICLE	IF	CITATIONS
1374	Discriminant subspace learning constrained by locally statistical uncorrelation for face recognition. Neural Networks, 2013, 42, 28-43.	5.9	24
1375	State reduction in molecular simulations. Computers and Chemical Engineering, 2013, 51, 102-110.	3.8	11
1376	Nonnegative sparse coding induced hashing for image copy detection. Neurocomputing, 2013, 105, 81-89.	5.9	18
1377	Local Structure-Based Image Decomposition for Feature Extraction With Applications to Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 3591-3603.	9.8	40
1378	Semisupervised Dimensionality Reduction of Hyperspectral Images via Local Scaling Cut Criterion. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1547-1551.	3.1	38
1379	Grassmannian Regularized Structured Multi-View Embedding for Image Classification. IEEE Transactions on Image Processing, 2013, 22, 2646-2660.	9.8	37
1381	Dimensionality reduction with adaptive graph. Frontiers of Computer Science, 2013, 7, 745-753.	2.4	15
1382	Heterogeneous Delay Embedding for Travel Time and Energy Cost Prediction Via Regression Analysis. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 214-224.	8.0	15
1383	Spatio-temporal covariance descriptors for action and gesture recognition. , 2013, , .		118
1385	Intrinsic Scene Properties from a Single RGB-D Image. , 2013, , .		176
1386	Statistical shape model for manifold regularization: Gleason grading of prostate histology. Computer Vision and Image Understanding, 2013, 117, 1138-1146.	4.7	31
1387	Two-Dimensional Maximum Local Variation Based on Image Euclidean Distance for Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 3807-3817.	9.8	30
1388	Linear versus nonlinear dimensionality reduction for banksâ€™ credit rating prediction. Knowledge-Based Systems, 2013, 47, 14-22.	7.1	37
1389	Clustering documents with labeled and unlabeled documents using fuzzy semi-Kmeans. Fuzzy Sets and Systems, 2013, 221, 48-64.	2.7	27
1390	Agglomerative clustering via maximum incremental path integral. Pattern Recognition, 2013, 46, 3056-3065.	8.1	98
1391	The potential of linear discriminative Laplacian eigenmaps dimensionality reduction in polarimetric SAR classification for agricultural areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 86, 124-135.	11.1	26
1393	Mathematical Morphology and Its Applications to Signal and Image Processing. Lecture Notes in Computer Science, 2013, , .	1.3	3
1394	Wavelet packets for time-frequency analysis of multispectral imagery. GEM - International Journal on Geomathematics, 2013, 4, 137-154.	1.6	6

#	ARTICLE	IF	CITATIONS
1395	Out-of-sample extension of diffusion maps in a computer aided diagnosis system. Application to breast cancer virtual slide images. Diagnostic Pathology, 2013, 8, .	2.0	1
1396	Feature extraction of kernel regress reconstruction for fault diagnosis based on self-organizing manifold learning. Chinese Journal of Mechanical Engineering (English Edition), 2013, 26, 1041-1049.	3.7	8
1397	Localization from Incomplete Noisy Distance Measurements. Foundations of Computational Mathematics, 2013, 13, 297-345.	2.5	36
1398	3D time series analysis of cell shape using Laplacian approaches. BMC Bioinformatics, 2013, 14, 296.	2.6	19
1399	Spectral Hashing With Semantically Consistent Graph for Image Indexing. IEEE Transactions on Multimedia, 2013, 15, 141-152.	7.2	114
1400	Heat diffusion kernel and distance on surface meshes and point sets. Computers and Graphics, 2013, 37, 676-686.	2.5	19
1401	Discriminative histograms of local dominant orientation (D-HLDO) for biometric image feature extraction. Pattern Recognition, 2013, 46, 2724-2739.	8.1	49
1402	Image Completion by Diffusion Maps and Spectral Relaxation. IEEE Transactions on Image Processing, 2013, 22, 2983-2994.	9.8	21
1403	Minimally Supervised Novel Relation Extraction Using a Latent Relational Mapping. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 419-432.	5.7	8
1404	Automated Induction of Heterogeneous Proximity Measures for Supervised Spectral Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1575-1587.	11.3	4
1405	Discriminant-enhanced neighborhood preserving embedding for dimensionality reduction. , 2013, , .		0
1406	A density-based enhancement to dominant sets clustering. IET Computer Vision, 2013, 7, 354-361.	2.0	5
1407	A non-invertible Graph-based Hamming Embedding transform for fingerprint minutiae protection. , 2013, , .		0
1408	On Similarity Preserving Feature Selection. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 619-632.	5.7	249
1409	Manifold alignment using curvature information. , 2013, , .		2
1410	A case study on data fusion with overlapping segments. , 2013, , .		2
1411	Wavelet Packet Analysis and Gray Model for Feature Extraction of Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 682-686.	3.1	29
1412	Pairwise Clustering by Minimizing the Error of Unsupervised Nearest Neighbor Classification. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
1413	Colon Flattening Using Heat Diffusion Riemannian Metric. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2848-2857.	4.4	13
1414	Manifold learning for ECG arrhythmia recognition. , 2013, , .		1
1415	Combustion Waves on the Point Set Surface. Computer Graphics Forum, 2013, 32, 225-234.	3.0	5
1416	Comparison of different methods for data-driven respiratory gating of PET data. , 2013, , .		10
1417	High Level Classification Totally Based on Complex Networks. , 2013, , .		4
1418	Mean vector component analysis: A new approach to un-centered PCA for non-negative data. , 2013, , .		1
1419	Improving the classification accuracy for IR spectroscopic diagnosis of stomach and colon malignancy using non-linear spectral feature extraction methods. Analyst, The, 2013, 138, 4076.	3.5	10
1420	Feature extraction of face based on the sparse manifold configuration. , 2013, , .		2
1421	A unified probabilistic framework for measuring the intensity of spontaneous facial action units. , 2013, , .		5
1422	Laplacian star coordinates for visualizing multidimensional data. , 2013, , .		1
1423	Local and Non-local Graph Regularized Sparse Coding for Face Recognition. , 2013, , .		1
1424	Dimensionality reduction with the k-associated optimal graph applied to image classification. , 2013, , .		5
1425	Object recognition and pose estimation using appearance manifolds. Advances in Manufacturing, 2013, 1, 258-264.	6.1	0
1426	Mean Vector Component Analysis for Visualization and Clustering of Nonnegative Data. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1553-1564.	11.3	11
1427	Sample-Specific Late Fusion for Visual Category Recognition. , 2013, , .		55
1428	M-Isomap: Orthogonal Constrained Marginal Isomap for Nonlinear Dimensionality Reduction. IEEE Transactions on Cybernetics, 2013, 43, 180-191.	9.5	71
1429	Social risk and depression: Evidence from manual and automatic facial expression analysis. , 2013, , 1-8.		109
1430	Out-of-Sample Embedding for Manifold Learning Applied to Face Recognition. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
1431	Tangent space intrinsic manifold regularization for data representation. , 2013, , .		11
1432	SCaLE: Supervised and Cascaded Laplacian Eigenmaps for Visual Object Recognition Based on Nearest Neighbors. , 2013, , .		23
1433	A Robust Dimensionality Reduction Method from Laplacian Orientations. , 2013, , .		0
1434	Local Coordinates Alignment With Global Preservation for Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 106-117.	11.3	35
1435	Schroedinger Eigenmaps for the Analysis of Biomedical Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1274-1280.	13.9	62
1436	Fuzzy Linear Discriminant Analysis-guided maximum entropy fuzzy clustering algorithm. Pattern Recognition, 2013, 46, 1604-1615.	8.1	33
1437	Dependence maps, a dimensionality reduction with dependence distance for high-dimensional data. Data Mining and Knowledge Discovery, 2013, 26, 512-532.	3.7	12
1438	Enhanced and parameterless Locality Preserving Projections for face recognition. Neurocomputing, 2013, 99, 448-457.	5.9	39
1439	Exponential Local Discriminant Embedding and Its Application to Face Recognition. IEEE Transactions on Cybernetics, 2013, 43, 921-934.	9.5	60
1440	Pairwise constraints based multiview features fusion for scene classification. Pattern Recognition, 2013, 46, 483-496.	8.1	116
1441	Learning the shape manifold to improve object recognition. Machine Vision and Applications, 2013, 24, 33-46.	2.7	22
1442	Branch decomposition heuristics for linear matroids. Discrete Optimization, 2013, 10, 102-119.	0.9	4
1443	Semi-supervised learning and condition fusion for fault diagnosis. Mechanical Systems and Signal Processing, 2013, 38, 615-627.	8.0	40
1444	Structure preserving non-negative matrix factorization for dimensionality reduction. Computer Vision and Image Understanding, 2013, 117, 1175-1189.	4.7	44
1445	SIFT on manifold: An intrinsic description. Neurocomputing, 2013, 113, 227-233.	5.9	11
1446	Kernel coupled distance metric learning for gait recognition and face recognition. Neurocomputing, 2013, 120, 577-589.	5.9	38
1447	Extracting spatial information from networks with low-order eigenvectors. Physical Review E, 2013, 87, .	2.1	9
1448	Dynamic hyperspectral embedding with a spatial sensitive graph. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
1449	Maximal Similarity Embedding. Neurocomputing, 2013, 99, 423-438.	5.9	9
1450	A semi-supervised approach for dimensionality reduction with distributional similarity. Neurocomputing, 2013, 103, 210-221.	5.9	7
1451	Vibration signal classification by wavelet packet energy flow manifold learning. Journal of Sound and Vibration, 2013, 332, 1881-1894.	3.9	106
1452	Feature extraction using two-dimensional neighborhood margin and variation embedding. Computer Vision and Image Understanding, 2013, 117, 525-531.	4.7	10
1453	Multi-resolutive sparse approximations of d-dimensional data. Computer Vision and Image Understanding, 2013, 117, 418-428.	4.7	6
1454	Iso-parametric tool-path planning for point clouds. CAD Computer Aided Design, 2013, 45, 1459-1468.	2.7	59
1455	Passage method for nonlinear dimensionality reduction of data on multi-cluster manifolds. Pattern Recognition, 2013, 46, 2175-2186.	8.1	6
1456	Low-rank representation with local constraint for graph construction. Neurocomputing, 2013, 122, 398-405.	5.9	65
1457	Granule-view based feature extraction and classification approach to color image segmentation in a manifold space. Neurocomputing, 2013, 99, 46-58.	5.9	5
1458	Joint geometry and variability for image recognition. Neurocomputing, 2013, 99, 241-249.	5.9	4
1459	An interactive analysis of harmonic and diffusion equations on discrete 3D shapes. Computers and Graphics, 2013, 37, 526-538.	2.5	10
1460	Tracking hand rotation and various grasping gestures from an IR camera using extended cylindrical manifold embedding. Computer Vision and Image Understanding, 2013, 117, 1711-1723.	4.7	5
1461	Efficiency investigation of manifold matching for text document classification. Pattern Recognition Letters, 2013, 34, 1263-1269.	4.2	7
1462	Multimedia search and retrieval using multimodal annotation propagation and indexing techniques. Signal Processing: Image Communication, 2013, 28, 351-367.	3.2	35
1463	Stable Orthogonal Local Discriminant Embedding for Linear Dimensionality Reduction. IEEE Transactions on Image Processing, 2013, 22, 2521-2531.	9.8	53
1464	Latent semantic learning with structured sparse representation for human action recognition. Pattern Recognition, 2013, 46, 1799-1809.	8.1	19
1465	A comparative study of nonlinear manifold learning methods for cancer microarray data classification. Expert Systems With Applications, 2013, 40, 2189-2197.	7.6	28
1466	Multi-Resolution Geometric Analysis for Data in High Dimensions. , 2013, , 259-285.		3

#	ARTICLE	IF	CITATIONS
1467	An Explicit Nonlinear Mapping for Manifold Learning. IEEE Transactions on Cybernetics, 2013, 43, 51-63.	9.5	73
1468	DISFA: A Spontaneous Facial Action Intensity Database. IEEE Transactions on Affective Computing, 2013, 4, 151-160.	8.3	518
1469	Embeddings of Surfaces, Curves, and Moving Points in Euclidean Space. SIAM Journal on Computing, 2013, 42, 442-458.	1.0	2
1470	Theory of fractional covariance matrix and its applications in PCA and 2D-PCA. Expert Systems With Applications, 2013, 40, 5395-5401.	7.6	16
1471	Unsupervised transfer learning for target detection from hyperspectral images. Neurocomputing, 2013, 120, 72-82.	5.9	68
1472	wFEM heat kernel: Discretization and applications to shape analysis and retrieval. Computer Aided Geometric Design, 2013, 30, 276-295.	1.2	19
1473	Distance Images and the Enclosure Field: Applications in Intermediate-Level Computer and Biological Vision. Mathematics and Visualization, 2013, , 301-323.	0.6	4
1474	Manifold-based feature point matching for multi-modal image registration. International Journal of Medical Robotics and Computer Assisted Surgery, 2013, 9, e10-8.	2.3	7
1475	Locality Constrained Dictionary Learning for Nonlinear Dimensionality Reduction. IEEE Signal Processing Letters, 2013, 20, 335-338.	3.6	40
1476	Discriminant diffusion maps analysis: A robust manifold learner for dimensionality reduction and its applications in machine condition monitoring and fault diagnosis. Mechanical Systems and Signal Processing, 2013, 34, 277-297.	8.0	52
1477	Multiscale Anomaly Detection Using Diffusion Maps. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 111-123.	10.8	42
1478	Graph-Based Visualisation of High Dimensional Data. SpringerBriefs in Computer Science, 2013, , 43-91.	0.2	0
1479	Discrete Signal Processing on Graphs. IEEE Transactions on Signal Processing, 2013, 61, 1644-1656.	5.3	1,146
1480	Dimensionality Reduction with Dimension Selection. Lecture Notes in Computer Science, 2013, , 508-519.	1.3	1
1481	Feature matching based on unsupervised manifold alignment. Machine Vision and Applications, 2013, 24, 983-994.	2.7	5
1482	Bi-stochastic kernels via asymmetric affinity functions. Applied and Computational Harmonic Analysis, 2013, 35, 177-180.	2.2	15
1483	Global structure constrained local shape prior estimation for medical image segmentation. Computer Vision and Image Understanding, 2013, 117, 1017-1026.	4.7	21
1484	A regularized graph layout framework for dynamic network visualization. Data Mining and Knowledge Discovery, 2013, 27, 84-116.	3.7	23

#	ARTICLE	IF	CITATIONS
1486	Demonstrating the Transferability and the Descriptive Power of Sketch-Map. Journal of Chemical Theory and Computation, 2013, 9, 1521-1532.	5.3	104
1487	Linear-projection diffusion on smooth Euclidean submanifolds. Applied and Computational Harmonic Analysis, 2013, 34, 1-14.	2.2	7
1488	Blind vibration component separation and nonlinear feature extraction applied to the nonstationary vibration signals for the gearbox multi-fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2013, 46, 259-271.	5.0	131
1489	Random forest-based similarity measures for multi-modal classification of Alzheimer's disease. NeuroImage, 2013, 65, 167-175.	4.2	376
1490	Self-taught dimensionality reduction on the high-dimensional small-sized data. Pattern Recognition, 2013, 46, 215-229.	8.1	126
1491	Error-correcting output codes based ensemble feature extraction. Pattern Recognition, 2013, 46, 1091-1100.	8.1	35
1492	Visual stylometry using background selection and wavelet-HMT-based Fisher information distances for attribution and dating of impressionist paintings. Signal Processing, 2013, 93, 541-553.	3.7	20
1493	Batch Process Monitoring with Tensor Global-Local Structure Analysis. Industrial & Engineering Chemistry Research, 2013, 52, 18031-18042.	3.7	34
1494	Laplacian support vector machine for hyperspectral image classification by using manifold learning algorithms. , 2013, , .		5
1495	Transfer joint embedding for cross-domain named entity recognition. ACM Transactions on Information Systems, 2013, 31, 1-27.	4.9	26
1496	Robust image representation and decomposition by Laplacian regularized latent low-rank representation. , 2013, , .		5
1497	A study of supervised intrinsic spectral analysis for TIMIT phone classification. , 2013, , .		4
1498	Local consistency preserved coupled mappings for low-resolution face recognition. , 2013, , .		1
1499	An error analysis on locally linear embedding. , 2013, , .		0
1500	Semisupervised Multitask Learning With Gaussian Processes. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 2101-2112.	11.3	13
1501	Robust frontal view search using extended manifold learning. Journal of Visual Communication and Image Representation, 2013, 24, 1147-1154.	2.8	3
1502	Noisy dynamic simulations in the presence of symmetry: Data alignment and model reduction. Computers and Mathematics With Applications, 2013, 65, 1535-1557.	2.7	18
1503	Efficient Visualization of Large-Scale Data Tables through Reordering and Entropy Minimization. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
1504	New one-versus-all solving intra-class imbalance with extended manifold regularization and localized relative maximum margin. Neurocomputing, 2013, 115, 106-121.	5.9	7
1505	Pairwise Sparsity Preserving Embedding for Unsupervised Subspace Learning and Classification. IEEE Transactions on Image Processing, 2013, 22, 4640-4651.	9.8	48
1506	Comparative Study on Dimensionality Reduction in Large-Scale Image Retrieval. , 2013, , .		6
1507	Locally linear representation Fisher criterion. , 2013, , .		2
1508	Image denoising via Graph regularized K-SVD. , 2013, , .		4
1509	Nonlinear manifold learning for meshfree finite deformation thin-shell analysis. International Journal for Numerical Methods in Engineering, 2013, 93, 685-713.	2.8	43
1510	Bayesian multi-source domain adaptation. , 2013, , .		17
1511	An interactive visual testbed system for dimension reduction and clustering of large-scale high-dimensional data. Proceedings of SPIE, 2013, , .	0.8	19
1512	Efficient leave-one-out strategy for supervised feature selection. Tsinghua Science and Technology, 2013, 18, 629-635.	6.1	12
1513	Manifold regularization Multiple Kernel Learning machine for classification. , 2013, , .		0
1514	Social event detection with robust high-order co-clustering. , 2013, , .		22
1515	Stellar Spectral Subclass Classification Based on Locally Linear Embedding. Publication of the Astronomical Society of Japan, 2013, 65, 81.	2.5	6
1516	Surface- and volume-based techniques for shape modeling and analysis. , 2013, , .		3
1517	Supervised preserving projection for learning scene information based on time-of-flight imaging sensor. Applied Optics, 2013, 52, 5279.	1.8	1
1518	Nearest neighbour based social recommendation using heat diffusion. , 2013, , .		3
1519	Nonlinear Dimensionality Reduction for Parameterized Partial Differential Equation. , 2013, , .		2
1520	Single-Trial Analysis of Bioelectromagnetic Signals: The Quest for Hidden Information. , 2013, , 237-259.		0
1521	Empirical Inference. , 2013, , .		43

#	ARTICLE	IF	CITATIONS
1522	Data Dimensionality Reduction in Materials Science. , 2013, , 97-119.		7
1523	Detecting Intrinsic Loops Underlying Data Manifold. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 337-347.	5.7	9
1524	Contextual Analysis of Videos. Synthesis Lectures on Image, Video, and Multimedia Processing, 2013, 6, 1-102.	0.9	0
1525	A Clustering Approach to Intention Recognition. Atlantis Ambient and Pervasive Intelligence, 2013, , 3-19.	0.2	0
1526	Low-Rank Affinity Based Local-Driven Multilabel Propagation. Mathematical Problems in Engineering, 2013, 2013, 1-6.	1.1	1
1527	Geometric and Photometric Data Fusion in Non-Rigid Shape Analysis. Numerical Mathematics, 2013, 6, 199-222.	1.3	9
1528	Trace Ratio Optimization-Based Semi-Supervised Nonlinear Dimensionality Reduction for Marginal Manifold Visualization. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1148-1161.	5.7	83
1529	Stability Analysis of Learning Algorithms for Ontology Similarity Computation. Abstract and Applied Analysis, 2013, 2013, 1-9.	0.7	20
1530	Locality-Based Discriminant Neighborhood Embedding. Computer Journal, 2013, 56, 1063-1082.	2.4	27
1531	Seismic Target Classification Using a Wavelet Packet Manifold in Unattended Ground Sensors Systems. Sensors, 2013, 13, 8534-8550.	3.8	36
1532	An Estimate of Mutual Information that Permits Closed-Form Optimisation. Entropy, 2013, 15, 1690-1704.	2.2	4
1533	Pseudo-Gabor wavelet for face recognition. Journal of Electronic Imaging, 2013, 22, 023029.	0.9	2
1534	Comparison of four shape features for detecting hippocampal shape changes in early Alzheimer's. Statistical Methods in Medical Research, 2013, 22, 439-462.	1.5	12
1535	A Facial Expression Recognition Algorithm Based on Computer Vision. Applied Mechanics and Materials, 2013, 380-384, 4057-4060.	0.2	0
1536	Recommendation and visualization of similar movies using minimum spanning dendrograms. Information Visualization, 2013, 12, 85-101.	1.9	5
1537	Classification of hyperspectral remote-sensing images based on sparse manifold learning. Journal of Applied Remote Sensing, 2013, 7, 073464.	1.3	10
1538	Random forests on distance matrices for imaging genetics studies. Statistical Applications in Genetics and Molecular Biology, 2013, 12, 757-86.	0.6	7
1539	Dynamic Building Tracking from UAVs Based on Image Manifold Learning. Advanced Materials Research, 2013, 756-759, 4121-4125.	0.3	0

#	ARTICLE	IF	CITATIONS
1540	Landmark Selection for Isometric Feature Mapping Based on Mixed-Integer Optimization. Lecture Notes in Computer Science, 2013, , 260-271.	1.3	4
1541	The Globally Linear Embedding Algorithm. Advanced Materials Research, 2013, 756-759, 2682-2686.	0.3	0
1542	An Incremental Locally Linear Embedding Algorithm with Non-Negative Constraints of the Weights. Applied Mechanics and Materials, 0, 404, 478-484.	0.2	0
1543	Similarity-Based Pattern Analysis and Recognition. Advances in Computer Vision and Pattern Recognition, 2013, , .	1.3	9
1544	Learning Graph Laplacian for Image Segmentation. Lecture Notes in Computer Science, 2013, , 92-106.	1.3	1
1545	A Prediction Model Based on ISOMAP for Software Defects. Applied Mechanics and Materials, 0, 347-350, 3278-3282.	0.2	0
1546	Approximation of points on low-dimensional manifolds via random linear projections. Information and Inference, 2013, 2, 1-31.	1.6	16
1547	Synchronized Submanifold Embedding for Robust and Real-Time Capable Head Pose Detection Based on Range Images. , 2013, , .		2
1548	Mesh-Free Discrete Laplace-Beltrami Operator. Computer Graphics Forum, 2013, 32, 214-226.	3.0	14
1549	Improved complete neighbourhood preserving embedding for face recognition. IET Computer Vision, 2013, 7, 71-79.	2.0	4
1550	Visualization of hyperspectral imagery based on manifold learning. , 2013, , .		2
1551	The Kernel Semi-Least Squares Method for Sparse Distance Approximation. Neural Computation, 2013, 25, 532-548.	2.2	2
1552	Learning a joint manifold with global-local preservation for multitemporal hyperspectral image classification. , 2013, , .		3
1553	Nonlinear Laplacian spectral analysis: capturing intermittent and low-frequency spatiotemporal patterns in high-dimensional data. Statistical Analysis and Data Mining, 2013, 6, 180-194.	2.8	34
1554	A Method Based on Total Variation for Network Modularity Optimization Using the MBO Scheme. SIAM Journal on Applied Mathematics, 2013, 73, 2224-2246.	1.8	29
1555	A novel borderline preserving embedding manifold learning algorithm. , 2013, , .		1
1556	Fixed-dimensional acoustic embeddings of variable-length segments in low-resource settings. , 2013, , .		62
1557	Dense Non-rigid Point-Matching Using Random Projections. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
1558	Nonlinear intrinsic variables and state reconstruction in multiscale simulations. Journal of Chemical Physics, 2013, 139, 184109.	3.0	26
1559	Intrinsic Spectral Analysis. IEEE Transactions on Signal Processing, 2013, 61, 1698-1710.	5.3	15
1560	Ordinary Preserving Manifold Analysis for Human Age and Head Pose Estimation. IEEE Transactions on Human-Machine Systems, 2013, 43, 249-258.	3.5	94
1561	Neuronal network structural connectivity estimation by probabilistic features and graph heat kernels. , 2013, , .		2
1562	From Semi-supervised to Transfer Counting of Crowds. , 2013, , .		87
1563	Divergence based graph estimation for manifold learning. , 2013, , .		0
1564	Comparative analysis of manifold learning algorithms for tomographic sensor processing. , 2013, , .		0
1566	Efficient manifold learning for speech recognition using locality sensitive hashing. , 2013, , .		5
1567	An Empirical Evaluation of Supervised Dimensionality Reduction for Recognition. , 2013, , .		8
1568	Dimension Reduction and Remote Sensing Using Modern Harmonic Analysis. , 2013, , 1-22.		2
1569	Nonlinear dimensionality reduction for structural discovery in image processing. , 2013, , .		0
1570	Coupled quasi-harmonic bases. Computer Graphics Forum, 2013, 32, 439-448.	3.0	133
1571	Symmetrizing Smoothing Filters. SIAM Journal on Imaging Sciences, 2013, 6, 263-284.	2.2	70
1573	Semi-Supervised Learning Using Random Walk Limiting Probabilities. Lecture Notes in Computer Science, 2013, , 395-404.	1.3	1
1574	Laplacian Eigenmap With Temporal Constraints for Local Abnormality Detection in Crowded Scenes. IEEE Transactions on Cybernetics, 2013, 43, 2147-2156.	9.5	57
1575	Potential of hybridization methods to reducing the dimensionality for multispectral biological images. , 2013, 2013, 6458-61.		2
1576	Silhouette classification by using manifold learning for automated threat detection. , 2013, , .		0
1577	Broadcast news story segmentation using latent topics on data manifold. , 2013, , .		11

#	ARTICLE	IF	CITATIONS
1578	Dense Segmentation-Aware Descriptors. , 2013, , .		39
1579	Pseudo-increasing frame rates of carotid artery B-mode images using manifold learning. , 2013, , .		0
1580	Semi-supervised visual recognition with constrained graph regularized non negative matrix factorization. , 2013, , .		5
1581	An unsupervised kernel optimization in dimensional reduction. , 2013, , .		0
1582	UsageQoS. ACM Transactions on the Web, 2013, 8, 1-31.	2.5	24
1583	Identify the diversity of mesoscopic structures in networks: A mixed random walk approach. Europhysics Letters, 2013, 104, 18006.	2.0	4
1584	THE SPECTRUM OF RANDOM INNER-PRODUCT KERNEL MATRICES. Random Matrices: Theory and Application, 2013, 02, 1350010.	1.1	29
1585	Dictionary-Based Methods for Object Recognition— Handbook of Statistics, 2013, 31, 203-225.	0.6	1
1587	Classification initialized hierarchical ALS-based NMF with partial sparseness constraints for fluorescence spectral unmixing. , 2013, , .		0
1588	Assessment of dimensionality reduction based on communication channel model; application to immersive information visualization. , 2013, , .		8
1589	Locality preserving KSVD for nonlinear manifold learning. , 2013, , .		2
1590	Empirical intrinsic geometry for nonlinear modeling and time series filtering. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12535-12540.	7.1	66
1591	An ensemble-clustering-based distance metric and its applications. International Journal of Business Intelligence and Data Mining, 2013, 8, 264.	0.2	4
1592	Early Emotional Communication. , 2013, , 162-180.		2
1593	Appearance-based gaze tracking with spectral clustering and semi-supervised Gaussian process regression. , 2013, , .		18
1594	Assessment of Ice Shape Roughness Using a Self-Organizing Map Approach. , 2013, , .		38
1595	Maximum Margin Learning Projections for Face Recognition. , 2013, , .		0
1596	An Experimental Comparison of Semi-supervised Learning Algorithms for Multispectral Image Classification. Photogrammetric Engineering and Remote Sensing, 2013, 79, 347-357.	0.6	5

#	ARTICLE	IF	CITATIONS
1597	Single-task and multitask sparse Gaussian processes. , 2013, , .		1
1598	Manifold based methods in facial expression recognition. Proceedings of SPIE, 2013, , .	0.8	1
1599	Patterns of inspiratory phase-dependent activity in the in vitro respiratory network. Journal of Neurophysiology, 2013, 109, 285-295.	1.8	46
1600	Designing Various Multivariate Analysis at Will via Generalized Pairwise Expression. IPSJ Online Transactions, 2013, 6, 45-54.	0.1	1
1601	Darwinâ€™s Duchenne: Eye Constriction during Infant Joy and Distress. PLoS ONE, 2013, 8, e80161.	2.5	56
1602	Multiview Locally Linear Embedding for Effective Medical Image Retrieval. PLoS ONE, 2013, 8, e82409.	2.5	23
1603	Using Manifold Learning for Atlas Selection in Multi-Atlas Segmentation. PLoS ONE, 2013, 8, e70059.	2.5	34
1604	Fast Discriminative Stochastic Neighbor Embedding Analysis. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-14.	1.3	6
1605	Semisupervised Kernel Marginal Fisher Analysis for Face Recognition. Scientific World Journal, The, 2013, 2013, 1-13.	2.1	5
1606	Adaptive Statistical Inference. Oberwolfach Reports, 2014, 11, 721-779.	0.0	0
1607	Spatial context driven manifold learning for hyperspectral image classification. , 2014, , .		1
1608	Similarity Measure Learning in Closed-Form Solution for Image Classification. Scientific World Journal, The, 2014, 2014, 1-15.	2.1	1
1609	Maximum Neighborhood Margin Discriminant Projection for Classification. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	18
1610	Functional connectivity estimation over large networks at cellular resolution based on electrophysiological recordings and structural prior. Frontiers in Neuroanatomy, 2014, 8, 137.	1.7	32
1611	Dynamic stability of sequential stimulus representations in adapting neuronal networks. Frontiers in Computational Neuroscience, 2014, 8, 124.	2.1	32
1612	Multiview Discriminative Geometry Preserving Projection for Image Classification. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	3
1613	Spectral Goodness of Fit for Network Models. SSRN Electronic Journal, 0, , .	0.4	1
1614	Visualizing brand associations from web community photos. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
1615	Evaluating predictive performance of network biomarkers with network structures. Journal of Bioinformatics and Computational Biology, 2014, 12, 1450025.	0.8	3
1616	Building k-nn graphs from large text data. , 2014, , .		6
1617	Background Subtraction: Theory and Practice. Synthesis Lectures on Computer Vision, 2014, 5, 1-83.	0.6	10
1618	Non-negative matrix factorization with local preservation for hyperspectral image dimensionality reduction. Remote Sensing Letters, 2014, 5, 793-802.	1.4	3
1619	A GENERAL FRAMEWORK FOR MANIFOLD RECONSTRUCTION FROM DIMENSIONALITY REDUCTION. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1451001.	1.2	0
1621	THE HUFFMAN-LIKE ALIGNMENT IN MANIFOLD LEARNING. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1451005.	1.2	5
1622	Lattice radial quantization by cubature. Physical Review D, 2014, 90, .	4.7	4
1623	SPARSE REPRESENTATION-BASED APPROACH FOR UNSUPERVISED FEATURE SELECTION. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450006.	1.2	2
1624	ORTHOGONAL MAXIMUM MARGIN DISCRIMINANT PROJECTION WITH APPLICATION TO LEAF IMAGE CLASSIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450010.	1.2	2
1625	Manifold regression for subsurface contaminant characterization based on sparse concentration data. , 2014, , .		1
1626	Operator analysis and diffusion based embeddings for heterogeneous data fusion. , 2014, , .		6
1627	Non-linear dimension reduction of Gabor features for noise-robust ASR. , 2014, , .		1
1628	Subspace metrics for multivariate dictionaries and application to EEG. , 2014, , .		2
1629	Invertible nonlinear cluster unwrapping. , 2014, , .		2
1630	Co-regularization for classification. , 2014, , .		1
1631	Distinct neural patterns enable grasp types decoding in monkey dorsal premotor cortex. Journal of Neural Engineering, 2014, 11, 066011.	3.5	16
1632	Improving the Quality of K-NN Graphs for Image Databases through Vector Sparsification. , 2014, , .		12
1633	Non linear dimensional reduction method based on supervised neighborhood graph. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
1634	HYPERSPETRAL IMAGE CLASSIFICATION USING LOCAL SPECTRAL ANGLE-BASED MANIFOLD LEARNING. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450016.	1.2	1
1635	Coarse-grained variables for particle-based models: diffusion maps and animal swarming simulations. Computational Particle Mechanics, 2014, 1, 425-440.	3.0	9
1636	Discriminant Locality Preserving Projections Based on L1-Norm Maximization. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2065-2074.	11.3	73
1637	Hashing Cross-Modal Manifold for Scalable Sketch-Based 3D Model Retrieval. , 2014, , .		12
1638	DSH. , 2014, , .		46
1639	Laplacian Eigenmaps modification using adaptive graph for pattern recognition. , 2014, , .		3
1640	Visualization of Hyperspectral Imaging Data Based on Manifold Alignment. , 2014, , .		6
1641	Two key properties of dimensionality reduction methods. , 2014, , .		16
1642	Unsupervised Adaptation Across Domain Shifts by Generating Intermediate Data Representations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2288-2302.	13.9	160
1643	HMOEDA_LLE: A hybrid multi-objective estimation of distribution algorithm combining locally linear embedding. , 2014, , .		5
1644	Boosting Techniques for Physics-Based Vortex Detection. Computer Graphics Forum, 2014, 33, 282-293.	3.0	22
1645	Bayesian Discovery of Threat Networks. IEEE Transactions on Signal Processing, 2014, 62, 5324-5338.	5.3	12
1646	Face pose estimation for driver distraction monitoring by automatic clustered linear discriminant analysis. , 2014, , .		2
1647	Large Margin Low Rank Tensor Analysis. Neural Computation, 2014, 26, 761-780.	2.2	22
1648	Symmetric and Antisymmetric Convection Signals in the Madden-Julian Oscillation. Part I: Basic Modes in Infrared Brightness Temperature. Journals of the Atmospheric Sciences, 2014, 71, 3302-3326.	1.7	25
1649	Diffusion Maps for Multimodal Registration. Sensors, 2014, 14, 10562-10577.	3.8	17
1650	Semantic visualization for spherical representation. , 2014, , .		14
1651	Nonlinear Fault Separation for Redundancy Process Variables Based on FNN in MKFDA Subspace. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.9	2

#	ARTICLE	IF	CITATIONS
1652	A Comparative Study: Globality versus Locality for Graph Construction in Discriminant Analysis. Journal of Applied Mathematics, 2014, 2014, 1-12.	0.9	1
1654	Wayside Bearing Fault Diagnosis Based on a Data-Driven Doppler Effect Eliminator and Transient Model Analysis. Sensors, 2014, 14, 8096-8125.	3.8	24
1655	Submanifold Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1885-1897.	8.3	8
1656	Schroedinger Eigenmaps with nondiagonal potentials for spatial-spectral clustering of hyperspectral imagery. , 2014, , .		25
1657	Neighbourhood sensitive preserving embedding for pattern classification. IET Image Processing, 2014, 8, 489-497.	2.5	7
1658	Fusion Algorithm Based on Improved Linear Local Tangent Space Alignment Algorithm. Applied Mechanics and Materials, 0, 602-605, 3447-3450.	0.2	0
1659	Content-based tag propagation and tensor factorization for personalized item recommendation based on social tagging. ACM Transactions on Interactive Intelligent Systems, 2014, 3, 1-27.	3.7	17
1660	A Face Recognition Method on Mobile Terminals Based on Manifold Learning. Applied Mechanics and Materials, 0, 610, 307-311.	0.2	0
1661	Research on Locality Preserving Discriminant Projection Algorithm Based on Gabor for Face Expression Recognition. Applied Mechanics and Materials, 0, 721, 766-770.	0.2	0
1662	Dimension Reduction Using Samplesâ€™ Inner Structure Based Graph for Face Recognition. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	1
1663	Construction of Time-Stamped Mobility Map for Path Tracking via Smith-Waterman Measurement Matching. Mathematical Problems in Engineering, 2014, 2014, 1-17.	1.1	4
1664	Machine Fault Classification Based on Local Discriminant Bases and Locality Preserving Projections. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	14
1665	Pose-invariant face recognition via SIFT feature extraction and manifold projection with Hausdorff distance metric. , 2014, , .		0
1666	Supervised embedding of textual predictors with applications in clinical diagnostics for pediatric cardiology. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, e136-e142.	4.4	6
1667	Data structure based discriminant score for feature selection. , 2014, , .		0
1668	Compressive neighborhood embedding for classification. , 2014, , .		0
1669	Local structure based sparse representation for face recognition with single sample per person. , 2014, , .		7
1670	Mean Shift Spectral Clustering using Kernel Entropy Component Analysis. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
1671	Visualizing multidimensional data based on Laplacian Eigenmaps projection. , 2014, , .		1
1672	Real-time vision-based telepresence robot hand control. , 2014, , .		0
1673	Non-linear neighborhood component analysis based on constructive neural networks. , 2014, , .		2
1674	Nonlinear dimensionality reduction for kinematic cartography with an application toward robotic locomotion. , 2014, , .		3
1675	Generalized kernel framework for unsupervised spectral methods of dimensionality reduction. , 2014, , .		19
1676	The Mutual Information between Graphs. , 2014, , .		0
1677	Locality Constrained Encoding Graph Construction and Application to Outdoor Object Classification. , 2014, , .		3
1678	Semi-supervised Learning for Cross-Device Visual Location Recognition. , 2014, , .		1
1679	Sparse Manifold Learning and Its Applications in Image Classification. , 2014, , .		0
1680	Attribute-Augmented Semantic Hierarchy. ACM Transactions on Multimedia Computing, Communications and Applications, 2014, 11, 1-21.	4.3	22
1681	Perceptions of Interpersonal Behavior are Influenced by Gender, Facial Expression Intensity, and Head Pose. , 2014, , .		3
1682	A Graph Embedding Method Based on Sparse Representation for Wireless Sensor Network Localization. International Journal of Distributed Sensor Networks, 2014, 10, 607943.	2.2	1
1683	Morphological changes of aging brain structure in MRI analysis. , 2014, , .		6
1684	Adaptive Semi-Supervised Dimensionality Reduction. , 2014, , .		0
1685	Cognitive Multimodal Processing. , 2014, , .		3
1686	Dimensionality Reduction in Statistical Learning. , 2014, , .		6
1687	Learning Locality Preserving Graph from Data. IEEE Transactions on Cybernetics, 2014, 44, 2088-2098.	9.5	31
1688	An introduction to Ricci flow and volumetric approximation with applications to shape modeling. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
1689	Gromov-Hausdorff Approximation of Filament Structure Using Reeb-type Graph. , 2014, , .		11
1690	A cluster specific latent dirichlet allocation model for trajectory clustering in crowded videos. , 2014, , .		1
1691	Range clusters based time-of-flight 3D imaging obstacle detection in manifold space. Optics Express, 2014, 22, 8880.	3.4	1
1692	Multiple kernel interpolation for inverting non-linear dimensionality reduction and dimension estimation. , 2014, , .		1
1693	Multiscale anomaly detection using diffusion maps and saliency score. , 2014, , .		6
1694	Manifold learning based registration algorithms applied to multimodal images. , 2014, 2014, 1030-4.		5
1696	Regularizing inverse problems in image processing with a manifold-based model of overlapping patches. , 2014, , .		1
1697	Using density invariant graph Laplacian to resolve unobservable parameters for three-dimensional optical bio-imaging. , 2014, , .		0
1698	Triangulation Embedding and Democratic Aggregation for Image Search. , 2014, , .		167
1699	Neonatal brain segmentation using 4-D fuzzy object model. , 2014, , .		1
1700	Human Body Shape Estimation Using a Multi-resolution Manifold Forest. , 2014, , .		14
1701	Similarity-balanced Discriminant Neighborhood Embedding. , 2014, , .		1
1702	Exploiting Click Constraints and Multi-view Features for Image Re-ranking. IEEE Transactions on Multimedia, 2014, 16, 159-168.	7.2	155
1703	A Total Variation Spectral Framework for Scale and Texture Analysis. SIAM Journal on Imaging Sciences, 2014, 7, 1937-1961.	2.2	79
1704	New sparse subspace learning approaches for feature abstraction and recognition. , 2014, , .		0
1705	Artificial Neural Networks in Pattern Recognition. Lecture Notes in Computer Science, 2014, , .	1.3	4
1706	A Multigraph Representation for Improved Unsupervised/Semi-supervised Learning of Human Actions. , 2014, , .		28
1707	Toward Quantifying Vertex Similarity in Networks. Internet Mathematics, 2014, 10, 263-286.	0.7	9

#	ARTICLE	IF	CITATIONS
1708	Co-localization in Real-World Images. , 2014, , .		121
1709	Locally Linear Hashing for Extracting Non-linear Manifolds. , 2014, , .		72
1710	Trajectories of the ribosome as a Brownian nanomachine. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17492-17497.	7.1	218
1711	Joint Embedding Learning and Sparse Regression: A Framework for Unsupervised Feature Selection. IEEE Transactions on Cybernetics, 2014, 44, 793-804.	9.5	552
1712	Learning osteoarthritis imaging biomarkers using Laplacian eigenmap embeddings with data from the OAI. , 2014, , .		0
1713	Semi-supervised learning with local and global consistency. International Journal of Computer Mathematics, 2014, 91, 2389-2402.	1.8	10
1714	LIDAR image recovery by incorporating heterogeneous imaging modalities. Proceedings of SPIE, 2014, , .	0.8	1
1715	Learning image manifold using neighboring similarity integration. , 2014, , .		2
1716	Geometric multi-resolution analysis based classification for high dimensional data. , 2014, , .		0
1717	Relational Fuzzy Self-Organizing Maps for Cluster Visualization and Summarization. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2014, 22, 913-940.	1.9	2
1718	Conformations of macromolecules and their complexes from heterogeneous datasets. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130567.	4.0	39
1719	High-resolution structure of viruses from random diffraction snapshots. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130326.	4.0	32
1720	Transformed Neighborhood Propagation. , 2014, , .		2
1721	Uncorrelated regularized local Fisher discriminant analysis for face recognition. Journal of Electronic Imaging, 2014, 23, 043017.	0.9	2
1722	Radar Signal Recognition Based on Manifold Learning Method. International Journal of Control and Automation, 2014, 7, 399-406.	0.3	3
1723	Adaptive Initialization Method Based on Spatial Local Information fork-Means Algorithm. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	6
1724	Semigroup Methods for Evolution Equations on Networks. Understanding Complex Systems, 2014, , .	0.6	108
1725	Laplacian Support Vector Analysis for Subspace Discriminative Learning. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
1726	Multi-channel wafer defect detection using diffusion maps. , 2014, , .		3
1727	Dimensionality Reduction by Supervised Neighbor Embedding Using Laplacian Search. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-14.	1.3	3
1728	Neighborhood Preserving Convex Nonnegative Matrix Factorization. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	3
1729	A GRAPH-BASED APPROACH FOR SEMISUPERVISED CLUSTERING. Computational Intelligence, 2014, 30, 263-284.	3.2	4
1730	DISCOVERING ROBUST EMBEDDINGS IN (DIS)SIMILARITY SPACE FOR HIGH-DIMENSIONAL LINGUISTIC FEATURES. Computational Intelligence, 2014, 30, 285-315.	3.2	0
1731	Statistical process monitoring based on a multi-manifold projection algorithm. Chemometrics and Intelligent Laboratory Systems, 2014, 130, 20-28.	3.5	37
1732	Learning image manifold via local tensor subspace alignment. Neurocomputing, 2014, 139, 22-33.	5.9	2
1733	Stable locality sensitive discriminant analysis for image recognition. Neural Networks, 2014, 54, 49-56.	5.9	26
1734	Sparse dimensionality reduction of hyperspectral image based on semi-supervised local Fisher discriminant analysis. International Journal of Applied Earth Observation and Geoinformation, 2014, 31, 122-129.	2.8	22
1735	Tangent-based manifold approximation with locally linear models. Signal Processing, 2014, 104, 232-247.	3.7	15
1736	Spectral clustering of high-dimensional data exploiting sparse representation vectors. Neurocomputing, 2014, 135, 229-239.	5.9	43
1737	Inverting nonlinear dimensionality reduction with scale-free radial basis function interpolation. Applied and Computational Harmonic Analysis, 2014, 37, 162-170.	2.2	12
1738	Improved discriminant sparsity neighborhood preserving embedding for hyperspectral image classification. Neurocomputing, 2014, 136, 224-234.	5.9	29
1739	Nonlinear process monitoring and fault isolation using extended maximum variance unfolding. Journal of Process Control, 2014, 24, 880-891.	3.3	34
1740	An approximate closed-form solution to correlation similarity discriminant analysis. Neurocomputing, 2014, 135, 284-298.	5.9	1
1741	Discriminability-driven regularization framework for indefinite kernel machine. Neurocomputing, 2014, 133, 209-221.	5.9	8
1742	Intrinsic dimensionality estimation based on manifold assumption. Journal of Visual Communication and Image Representation, 2014, 25, 740-747.	2.8	18
1743	Text style analysis using trace ratio criterion patch alignment embedding. Neurocomputing, 2014, 136, 201-212.	5.9	1

#	ARTICLE	IF	CITATIONS
1744	A robust algorithm for template curve estimation based on manifold embedding. Computational Statistics and Data Analysis, 2014, 70, 373-386.	1.2	11
1745	Real-time estimation of hand gestures based on manifold learning from monocular videos. Multimedia Tools and Applications, 2014, 71, 555-574.	3.9	4
1746	Graph regularized discriminative non-negative matrix factorization for face recognition. Multimedia Tools and Applications, 2014, 72, 2679-2699.	3.9	59
1747	Robust semi-automatic head pose labeling for real-world face video sequences. Multimedia Tools and Applications, 2014, 70, 495-523.	3.9	28
1748	A multimedia presentation system using a 3D gesture interface in museums. Multimedia Tools and Applications, 2014, 69, 53-77.	3.9	7
1749	A generative model and a generalized trust region Newton method for noise reduction. Computational Optimization and Applications, 2014, 57, 129-165.	1.6	6
1750	Graph embedding discriminant analysis for face recognition. Neural Computing and Applications, 2014, 24, 1697-1706.	5.6	5
1751	Learning high-dimensional correspondence via manifold learning and local approximation. Neural Computing and Applications, 2014, 24, 1555-1568.	5.6	7
1752	Human facial expression analysis based on image granule LPP. International Journal of Machine Learning and Cybernetics, 2014, 5, 907-921.	3.6	4
1753	Sparse Transfer Manifold Embedding for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1030-1043.	6.3	173
1754	Multidimensional Artificial Field Embedding With Spatial Sensitivity. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1518-1532.	6.3	11
1755	Early detection of liver disease using data visualisation and classification method. Biomedical Signal Processing and Control, 2014, 11, 27-35.	5.7	13
1756	Hyperspectral Remote Sensing Image Subpixel Target Detection Based on Supervised Metric Learning. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4955-4965.	6.3	171
1757	Euclidean Distance Geometry and Applications. SIAM Review, 2014, 56, 3-69.	9.5	317
1758	UL-Isomap based nonlinear dimensionality reduction for hyperspectral imagery classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 89, 25-36.	11.1	72
1759	Data Analysis, Machine Learning and Knowledge Discovery. Studies in Classification, Data Analysis, and Knowledge Organization, 2014, , .	0.2	6
1760	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.	6.3	13
1761	Transfer dimensionality reduction by Gaussian process in parallel. Knowledge and Information Systems, 2014, 38, 567-597.	3.2	0

#	ARTICLE	IF	CITATIONS
1762	Generalized Transfer Subspace Learning Through Low-Rank Constraint. International Journal of Computer Vision, 2014, 109, 74-93.	15.6	247
1763	Equi-affine Invariant Geometry for Shape Analysis. Journal of Mathematical Imaging and Vision, 2014, 50, 144-163.	1.3	14
1764	Integrating local and global topological structures for semi-supervised dimensionality reduction. Soft Computing, 2014, 18, 1189-1198.	3.6	5
1765	Adaptive Graph Embedding Discriminant Projections. Neural Processing Letters, 2014, 40, 211-226.	3.2	6
1766	A methodology to compare Dimensionality Reduction algorithms in terms of loss of quality. Information Sciences, 2014, 270, 1-27.	6.9	53
1767	Manifold Learning for Object Tracking With Multiple Nonlinear Models. IEEE Transactions on Image Processing, 2014, 23, 1593-1605.	9.8	8
1768	Linear spectral hashing. Neurocomputing, 2014, 141, 117-123.	5.9	9
1769	Nonnegative sparse locality preserving hashing. Information Sciences, 2014, 281, 714-725.	6.9	9
1770	Mitigating Behavioral Variability for Mouse Dynamics: A Dimensionality-Reduction-Based Approach. IEEE Transactions on Human-Machine Systems, 2014, 44, 244-255.	3.5	22
1771	Multimodal Similarity-Preserving Hashing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 824-830.	13.9	147
1772	Real local-linearity preserving embedding. Neurocomputing, 2014, 136, 7-13.	5.9	15
1773	Semi-Supervised Learning. Academic Press Library in Signal Processing, 2014, 1, 1239-1269.	0.8	54
1774	Image Analysis and Recognition. Academic Press Library in Signal Processing, 2014, 4, 267-270.	0.8	0
1775	Feature extraction using two-dimensional maximum embedding difference. Information Sciences, 2014, 274, 55-69.	6.9	55
1776	Nonlinear Dimensionality Reduction for Visualizing Toxicity Data: Distance-Based Versus Topology-Based Approaches. ChemMedChem, 2014, 9, 1047-1059.	3.2	9
1777	Sparse regularization discriminant analysis for face recognition. Neurocomputing, 2014, 128, 341-362.	5.9	13
1778	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.	5.6	230
1779	Global and Local Structure Preservation for Feature Selection. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1083-1095.	11.3	135

#	ARTICLE	IF	CITATIONS
1780	Shape classification by manifold learning in multiple observation spaces. Information Sciences, 2014, 262, 46-61.	6.9	11
1781	Embedding new observations via sparse-coding for non-linear manifold learning. Pattern Recognition, 2014, 47, 480-492.	8.1	33
1782	Click Prediction for Web Image Reranking Using Multimodal Sparse Coding. IEEE Transactions on Image Processing, 2014, 23, 2019-2032.	9.8	491
1783	A Regularized Approach for Geodesic-Based Semisupervised Multimanifold Learning. IEEE Transactions on Image Processing, 2014, 23, 2133-2147.	9.8	14
1784	Scalable semi-supervised clustering by spectral kernel learning. Pattern Recognition Letters, 2014, 45, 161-171.	4.2	13
1785	Neighborhood Repulsed Metric Learning for Kinship Verification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 331-345.	13.9	348
1786	Fault diagnosis of rolling element bearings via discriminative subspace learning: Visualization and classification. Expert Systems With Applications, 2014, 41, 3391-3401.	7.6	74
1787	Histogram of visual words based on locally adaptive regression kernels descriptors for image feature extraction. Neurocomputing, 2014, 129, 516-527.	5.9	5
1788	Compressed Sensing & Sparse Filtering. Signals and Communication Technology, 2014, , .	0.5	26
1789	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.	11.1	12
1791	Visual Words Assignment Via Information-Theoretic Manifold Embedding. IEEE Transactions on Cybernetics, 2014, 44, 1924-1937.	9.5	26
1792	Relative manifold based semi-supervised dimensionality reduction. Frontiers of Computer Science, 2014, 8, 923-932.	2.4	5
1793	Unsupervised iterative manifold alignment via local feature histograms. , 2014, , .		0
1794	A flocking-like technique to perform semi-supervised learning. , 2014, , .		1
1795	Flexible Shift-Invariant Locality and Globality Preserving Projections. Lecture Notes in Computer Science, 2014, , 485-500.	1.3	8
1796	Detecting Local Manifold Structure for Unsupervised Feature Selection. Zidonghua Xuebao/Acta Automatica Sinica, 2014, 40, 2253-2261.	1.5	8
1797	Semi-Supervised Manifold Learning Based Multigraph Fusion for High-Resolution Remote Sensing Image Classification. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 464-468.	3.1	19
1798	Sparse Alignment for Robust Tensor Learning. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1779-1792.	11.3	63

#	ARTICLE	IF	CITATIONS
1799	Hidden space discriminant neighborhood embedding. , 2014, , .		2
1800	Integrating supervised subspace criteria with restricted Boltzmann Machine for feature extraction. , 2014, , .		6
1801	Classification of brain tumour ¹H MR spectra: Extracting features by metabolite quantification or nonlinear manifold learning?. , 2014, , .		4
1802	Multiset Canonical Correlations Using Globality Preserving Projections With Applications to Feature Extraction and Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1131-1146.	11.3	35
1803	Improving the quality of K-NN graphs through vector sparsification: application to image databases. International Journal of Multimedia Information Retrieval, 2014, 3, 259-274.	5.2	2
1804	Integrating Local and Global Manifold structures for unsupervised dimensionality reduction. , 2014, , .		4
1805	Constrained nonnegative matrix factorization and hyperspectral image dimensionality reduction. Remote Sensing Letters, 2014, 5, 46-54.	1.4	14
1806	Hierarchical Manifold Learning for Regional Image Analysis. IEEE Transactions on Medical Imaging, 2014, 33, 444-461.	8.9	26
1807	Recursive soft margin subspace learning. , 2014, , .		0
1808	K-associated optimal network for graph embedding dimensionality reduction. , 2014, , .		6
1809	Landmark-Based Local Patches Alignment Embedding. , 2014, , .		0
1810	Extended linear regression for undersampled face recognition. Journal of Visual Communication and Image Representation, 2014, 25, 1800-1809.	2.8	8
1811	Approximation and Online Algorithms. Lecture Notes in Computer Science, 2014, , .	1.3	0
1812	Nonlinear Dimensionality Reduction via the ENH-LTSA Method for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 375-388.	4.9	39
1813	Local and Global Preserving Semisupervised Dimensionality Reduction Based on Random Subspace for Cancer Classification. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 500-507.	6.3	14
1814	A Non-Linear Dynamical“Statistical Model for Reconstruction of the Air“Sea Element Fields in the Tropical Pacific Ocean. Atmosphere - Ocean, 2014, 52, 256-270.	1.6	4
1815	Kernelized Neighborhood Preserving Hashing for Social-Network-Oriented Digital Fingerprints. IEEE Transactions on Information Forensics and Security, 2014, 9, 2232-2247.	6.9	4
1816	Label propagation and soft-similarity measure for graph based Constrained Semi-Supervised Learning. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
1817	Locally Linear Embedding algorithm based on OMP for incremental learning. , 2014, , .		4
1818	A Novel Spatialâ€“Spectral Similarity Measure for Dimensionality Reduction and Classification of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7008-7022.	6.3	90
1819	Incremental Learning by Message Passing in Hierarchical Temporal Memory. Neural Computation, 2014, 26, 1763-1809.	2.2	4
1820	Facial expression recognition considering individual differences in facial structure and texture. IET Computer Vision, 2014, 8, 429-440.	2.0	25
1821	Robust locality preserving projection based on maximum correntropy criterion. Journal of Visual Communication and Image Representation, 2014, 25, 1676-1685.	2.8	10
1822	Discrete Signal Processing on Graphs: Frequency Analysis. IEEE Transactions on Signal Processing, 2014, 62, 3042-3054.	5.3	635
1823	Fuzzy object growth model for newborn brain using Manifold learning. , 2014, , .		3
1825	Big Data Analysis with Signal Processing on Graphs: Representation and processing of massive data sets with irregular structure. IEEE Signal Processing Magazine, 2014, 31, 80-90.	5.6	569
1826	A graph construction method using LBP self-representativeness for outdoor object categorization. Engineering Applications of Artificial Intelligence, 2014, 36, 294-302.	8.1	6
1827	Spherical and Hyperbolic Embeddings of Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2255-2269.	13.9	63
1828	High-Order Distance-Based Multiview Stochastic Learning in Image Classification. IEEE Transactions on Cybernetics, 2014, 44, 2431-2442.	9.5	246
1829	Sparse Graph-Based Discriminant Analysis for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3872-3884.	6.3	113
1830	A collaborative visual analytics suite for protein folding research. Journal of Molecular Graphics and Modelling, 2014, 53, 59-71.	2.4	2
1831	Maxâ€“min distance analysis by making a uniform distribution of class centers for dimensionality reduction. Neurocomputing, 2014, 143, 208-221.	5.9	8
1832	Graph-based semi-supervised learning with Local Binary Patterns for holistic object categorization. Expert Systems With Applications, 2014, 41, 7744-7753.	7.6	17
1833	Reinforcement learning with automatic basis construction based on isometric feature mapping. Information Sciences, 2014, 286, 209-227.	6.9	20
1834	Regional Manifold Learning for Disease Classification. IEEE Transactions on Medical Imaging, 2014, 33, 1236-1247.	8.9	18
1835	Process Monitoring with Globalâ€“Local Preserving Projections. Industrial & Engineering Chemistry Research, 2014, 53, 7696-7705.	3.7	66

#	ARTICLE	IF	CITATIONS
1836	Locally linear representation Fisher criterion based tumor gene expressive data classification. Computers in Biology and Medicine, 2014, 53, 48-54.	7.0	9
1837	Multi-feature multi-manifold learning for single-sample face recognition. Neurocomputing, 2014, 143, 134-143.	5.9	53
1838	Activity-based methods for person recognition in motion capture sequences. Pattern Recognition Letters, 2014, 49, 48-54.	4.2	14
1839	Distortion-Guided Structure-Driven Interactive Exploration of High-Dimensional Data. Computer Graphics Forum, 2014, 33, 101-110.	3.0	29
1840	Graph regularized multiset canonical correlations with applications to joint feature extraction. Pattern Recognition, 2014, 47, 3907-3919.	8.1	41
1841	Supervised locally tangent space alignment for machine fault diagnosis. Journal of Mechanical Science and Technology, 2014, 28, 2971-2977.	1.5	18
1842	A software framework for data dimensionality reduction: application to chemical crystallography. Integrating Materials and Manufacturing Innovation, 2014, 3, 205-224.	2.6	2
1843	Semi-Supervised Linear Discriminant Clustering. IEEE Transactions on Cybernetics, 2014, 44, 989-1000.	9.5	34
1844	Classification of Spent Reactor Fuel for Nuclear Forensics. Analytical Chemistry, 2014, 86, 5399-5405.	6.5	34
1845	Spectral Graph Analysis for Process Monitoring. Industrial & Engineering Chemistry Research, 2014, 53, 10404-10416.	3.7	9
1846	Unsupervised manifold learning based on multiple feature spaces. Machine Vision and Applications, 2014, 25, 1053-1065.	2.7	3
1847	Active learning of Gaussian processes with manifold-preserving graph reduction. Neural Computing and Applications, 2014, 25, 1615-1625.	5.6	16
1848	Robust sparsity-preserved learning with application to image visualization. Knowledge and Information Systems, 2014, 39, 287-304.	3.2	5
1849	Manifold learning based speaker dependent dimension reduction for robust text independent speaker verification. International Journal of Speech Technology, 2014, 17, 271-280.	2.2	3
1850	A general framework for evolutionary multiobjective optimization via manifold learning. Neurocomputing, 2014, 146, 65-74.	5.9	29
1851	Diffusion methods for aligning medical datasets: Location prediction in CT scan images. Medical Image Analysis, 2014, 18, 425-432.	11.6	7
1852	Semi-supervised classification via kernel low-rank representation graph. Knowledge-Based Systems, 2014, 69, 150-158.	7.1	34
1853	Segmentation of PET Images for Computer-Aided Functional Quantification of Tuberculosis in Small Animal Models. IEEE Transactions on Biomedical Engineering, 2014, 61, 711-724.	4.2	58

#	ARTICLE	IF	CITATIONS
1854	Kernel locality-constrained collaborative representation based discriminant analysis. Knowledge-Based Systems, 2014, 70, 212-220.	7.1	15
1855	Impact of regularization on spectral clustering. , 2014, , .		10
1856	Low-Rank Bilinear Classification: Efficient Convex Optimization and Extensions. International Journal of Computer Vision, 2014, 110, 308-327.	15.6	12
1857	Coarse-grained particle model for pedestrian flow using diffusion maps. Physical Review E, 2014, 89, 013304.	2.1	11
1858	Locally linear representation for image clustering. Electronics Letters, 2014, 50, 942-943.	1.0	9
1859	Learning Markov random walks for robust subspace clustering and estimation. Neural Networks, 2014, 59, 1-15.	5.9	16
1860	Distinguishing meanders of the <scp>K</scp>uroshio using machine learning. Journal of Geophysical Research: Oceans, 2014, 119, 6593-6604.	2.6	3
1861	Gene Selection Using Locality Sensitive Laplacian Score. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 1146-1156.	3.0	47
1862	Laplacian p-norm proximal support vector machine for semi-supervised classification. Neurocomputing, 2014, 144, 151-158.	5.9	8
1863	Novel Image Registration Method Based on Local Structure Constraints. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1584-1588.	3.1	7
1864	Semi-Supervised and Unsupervised Extreme Learning Machines. IEEE Transactions on Cybernetics, 2014, 44, 2405-2417.	9.5	644
1865	Modularity revisited: A novel dynamics-based concept for decomposing complex networks. Journal of Computational Dynamics, 2014, 1, 191-212.	1.1	14
1866	An effective discretization method for disposing high-dimensional data. Information Sciences, 2014, 270, 73-91.	6.9	28
1867	A semi-supervised classification technique based on interacting forces. Neurocomputing, 2014, 127, 43-51.	5.9	3
1868	Kernel-based transition probability toward similarity measure for semi-supervised learning. Pattern Recognition, 2014, 47, 1994-2010.	8.1	8
1869	Cover-based bounds on the numerical rank of Gaussian kernels. Applied and Computational Harmonic Analysis, 2014, 36, 302-315.	2.2	8
1870	Nonverbal social withdrawal in depression: Evidence from manual and automatic analyses. Image and Vision Computing, 2014, 32, 641-647.	4.5	179
1871	Locality and similarity preserving embedding for feature selection. Neurocomputing, 2014, 128, 304-315.	5.9	57

#	ARTICLE	IF	CITATIONS
1872	Li-ion battery capacity estimation: A geometrical approach. Journal of Power Sources, 2014, 261, 141-147.	7.8	68
1873	Learning sets with separating kernels. Applied and Computational Harmonic Analysis, 2014, 37, 185-217.	2.2	26
1874	Supervised locality discriminant manifold learning for head pose estimation. Knowledge-Based Systems, 2014, 66, 126-135.	7.1	10
1875	Semantic preserving distance metric learning and applications. Information Sciences, 2014, 281, 674-686.	6.9	108
1876	Local maximal margin discriminant embedding for face recognition. Journal of Visual Communication and Image Representation, 2014, 25, 296-305.	2.8	13
1877	Visualization of graphical data in a user-specified 2D space using a weighted Isomap method. Graphical Models, 2014, 76, 103-114.	2.4	1
1878	Dimensionality reduction: An interpretation from manifold regularization perspective. Information Sciences, 2014, 277, 694-714.	6.9	12
1879	Robust head pose estimation via supervised manifold learning. Neural Networks, 2014, 53, 15-25.	5.9	22
1880	Supervised orthogonal discriminant subspace projects learning for face recognition. Neural Networks, 2014, 50, 33-46.	5.9	12
1881	Sparse Gaussian processes with manifold-preserving graph reduction. Neurocomputing, 2014, 138, 99-105.	5.9	6
1882	Diffusion maps based k-nearest-neighbor rule technique for semiconductor manufacturing process fault detection. Chemometrics and Intelligent Laboratory Systems, 2014, 136, 47-57.	3.5	35
1883	Similarity preserving low-rank representation for enhanced data representation and effective subspace learning. Neural Networks, 2014, 53, 81-94.	5.9	56
1884	Variable selection based on locally linear embedding mapping for near-infrared spectral analysis. Chemometrics and Intelligent Laboratory Systems, 2014, 131, 31-36.	3.5	31
1885	A non-invertible Randomized Graph-based Hamming Embedding for generating cancelable fingerprint template. Pattern Recognition Letters, 2014, 42, 137-147.	4.2	83
1886	Feature extraction using local structure preserving discriminant analysis. Neurocomputing, 2014, 140, 104-113.	5.9	87
1887	Joint view-identity manifold for infrared target tracking and recognition. Computer Vision and Image Understanding, 2014, 118, 211-224.	4.7	12
1888	Discriminant similarity and variance preserving projection for feature extraction. Neurocomputing, 2014, 139, 180-188.	5.9	15
1889	Orthogonal locally discriminant spline embedding for plant leaf recognition. Computer Vision and Image Understanding, 2014, 119, 116-126.	4.7	20

#	ARTICLE	IF	CITATIONS
1890	Robust Manifold Nonnegative Matrix Factorization. ACM Transactions on Knowledge Discovery From Data, 2014, 8, 1-21.	3.5	208
1891	Nonlocal means method using weight refining for despeckling of ultrasound images. Signal Processing, 2014, 103, 201-213.	3.7	52
1892	Laplacian least squares twin support vector machine for semi-supervised classification. Neurocomputing, 2014, 145, 465-476.	5.9	43
1893	Image clustering based on sparse patch alignment framework. Pattern Recognition, 2014, 47, 3512-3519.	8.1	95
1894	Sparse-based neural response for image classification. Neurocomputing, 2014, 144, 198-207.	5.9	9
1895	High-resolution dynamic MR imaging of the thorax for respiratory motion correction of PET using groupwise manifold alignment. Medical Image Analysis, 2014, 18, 939-952.	11.6	36
1896	Flexible orthogonal semisupervised learning for dimension reduction with image classification. Neurocomputing, 2014, 144, 417-426.	5.9	7
1897	FSpH: Fitted spectral hashing for efficient similarity search. Computer Vision and Image Understanding, 2014, 124, 3-11.	4.7	2
1898	A comparative study of dimensionality reduction methods for large-scale image retrieval. Neurocomputing, 2014, 141, 202-210.	5.9	43
1899	Diffusion maps for changing data. Applied and Computational Harmonic Analysis, 2014, 36, 79-107.	2.2	62
1900	Laplacian spectral distances and kernels on 3D shapes. Pattern Recognition Letters, 2014, 47, 102-110.	4.2	10
1901	Data visualization for asymmetric relations. Neurocomputing, 2014, 124, 97-104.	5.9	3
1902	Manifold-preserving graph reduction for sparse semi-supervised learning. Neurocomputing, 2014, 124, 13-21.	5.9	43
1903	Rank Constrained Optimization Problems in Computer Vision. , 2014, , 311-330.		0
1904	Exploring Equilibria in Stochastic Delay Differential Equations Using Persistent Homology. , 2014, , .		3
1905	Stability Determination in Turning Using Persistent Homology and Time Series Analysis. , 2014, , .		9
1906	Dictionary Learning and Non-Asymptotic Bounds for Geometric Multi-Resolution Analysis. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 1013-1016.	0.2	4
1907	Modularity versus Laplacian Eigenmaps for dimensionality reduction and classification of hyperspectral imagery. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
1908	Classification of hyperspectral imagery on embedded Grassmannians. , 2014, , .		3
1909	Multi-feature based label propagation for semi-supervised classification of hyperspectral data. , 2014, , .		1
1910	An introduction to spectral graph techniques for the analysis of hyperspectral image data. , 2014, , .		2
1911	Tensor global and local discriminant embedding for SAR target configuration recognition. , 2014, , .		0
1912	Incremental Multi-manifold Out-of-Sample Data Prediction. , 2014, , .		0
1913	Manifold regularized sparsity model for hyperspectral target detection. , 2014, , .		1
1914	A New Framework for Traffic Anomaly Detection. , 2014, , .		20
1915	Sparse Modeling for Image and Vision Processing. Foundations and Trends in Computer Graphics and Vision, 2014, 8, 85-283.	4.5	259
1916	Segmentation of breast images to find the lesions using the decreased neighborhood graph algorithm. , 2015, , .		0
1917	Statistical Inference on Errorfully Observed Graphs. Journal of Computational and Graphical Statistics, 2015, 24, 930-953.	1.7	25
1918	Isomap out-of-sample extension for noisy time series data. , 2015, , .		2
1920	Analysis and evaluation of regression-based methods for facial pose classification. International Journal of Applied Pattern Recognition, 2015, 2, 24.	0.4	0
1921	Rare Class Detection in Networks. , 2015, , .		0
1922	Unsupervised feature selection by joint graph learning. , 2015, , .		0
1923	An improved semi-supervised local discriminant analysis for feature extraction of hyperspectral image. , 2015, , .		5
1924	Nonlinear dimensionality reduction of CT histogram based feature space for predicting recurrence-free survival in non-small-cell lung cancer. Proceedings of SPIE, 2015, , .	0.8	0
1925	Nonparametric Uncertainty Quantification for Stochastic Gradient Flows. SIAM-ASA Journal on Uncertainty Quantification, 2015, 3, 484-508.	2.0	13
1926	Fast assessment of freshness of white shrimp via a modified unsupervised discriminant projection technique. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
1928	MMFE: Multitask Multiview Feature Embedding. , 2015, , .		6
1929	Local feature embedding for supervised image classification. , 2015, , .		0
1930	Angle constrained path for clustering of multiple manifolds. , 2015, , .		2
1931	Dynamics-Adapted Cone Kernels. SIAM Journal on Applied Dynamical Systems, 2015, 14, 556-608.	1.6	33
1932	Generalized Communities in Networks. Physical Review Letters, 2015, 115, 088701.	7.8	55
1933	A modified local linear embedding algorithm based on neighbour selection. International Journal of Wireless and Mobile Computing, 2015, 9, 133.	0.2	1
1934	Data-driven respiratory signal extraction for SPECT imaging using Laplacian Eigenmaps. , 2015, , .		4
1935	Randomized approximations of operators and their spectral decomposition for diffusion based embeddings of heterogeneous data. , 2015, , .		1
1936	Interactive interface for efficient data visualization via a geometric approach. , 2015, , .		13
1937	A Novel Research on Feature Extraction of Acoustic Targets Based on Manifold Learning. , 2015, , .		1
1938	Machine learning of single molecule free energy surfaces and the impact of chemistry and environment upon structure and dynamics. Journal of Chemical Physics, 2015, 142, 105101.	3.0	34
1939	From Categorical to Numerical: Multiple Transitive Distance Learning and Embedding. , 2015, , .		26
1940	Optimization of the Maximum Likelihood Estimator for Determining the Intrinsic Dimensionality of High-Dimensional Data. International Journal of Applied Mathematics and Computer Science, 2015, 25, 895-913.	1.5	6
1943	Embedding New Samples via Locality-Constrained Sparse Representation for Nonlinear Manifold Learning. , 2015, , .		0
1944	The intrinsic geometry of the human brain connectome. Brain Informatics, 2015, 2, 197-210.	3.0	24
1945	Social Circle Discovery in Ego-Networks by Mining the Latent Structure of User Connections and Profile Attributes. , 2015, , .		5
1946	Local high-order regularization on data manifolds. , 2015, , .		1
1947	A density peak clustering approach to unsupervised acoustic subword units discovery. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
1948	Laplacian Eigenmaps Latent Variable Model modification for pattern recognition. , 2015, , .		2
1949	Transfer learning over big data. , 2015, , .		5
1950	Landmark point selection using clustering for data classification. , 2015, , .		0
1951	Empirical Measure of Learnability: A Tool for Semantic Map Validation. Procedia Computer Science, 2015, 71, 265-270.	2.0	2
1952	Further advances on Bayesian Ying-Yang harmony learning. Applied Informatics, 2015, 2, .	0.5	6
1953	Investigation of learning trajectory of Mandarin for Tibetan speakers. , 2015, , .		1
1954	Manifold Kernel Metric Learning for Larger-Scale Image Annotation. IEICE Transactions on Information and Systems, 2015, E98.D, 1396-1400.	0.7	0
1955	Efficient Anchor Graph Hashing with Data-Dependent Anchor Selection. IEICE Transactions on Information and Systems, 2015, E98.D, 2030-2033.	0.7	1
1956	Fault Detection Based on Diffusion Maps and $\frac{1}{2}$ Nearest Neighbor Diffusion Distance of Feature Space. Journal of Chemical Engineering of Japan, 2015, 48, 756-765.	0.6	16
1957	Spanifold: spanning tree flattening onto lower dimension. Stat, 2015, 4, 15-31.	0.4	0
1958	Color Sequence Preserving Decolorization. Computer Graphics Forum, 2015, 34, 373-383.	3.0	8
1959	Classification methods for noise transients in advanced gravitational-wave detectors. Classical and Quantum Gravity, 2015, 32, 215012.	4.0	69
1961	Local manifold learning for multiatlas segmentation: application to hippocampal segmentation in healthy population and Alzheimer's disease. CNS Neuroscience and Therapeutics, 2015, 21, 826-836.	3.9	9
1962	Image manifold revealing for breast lesion segmentation in DCE-MRI. Bio-Medical Materials and Engineering, 2015, 26, S1353-S1360.	0.6	5
1963	Predicting Progression from Cognitive Impairment to Alzheimer's Disease with the Disease State Index. Current Alzheimer Research, 2015, 12, 69-79.	1.4	22
1964	Graph Regularized Within-Class Sparsity Preserving Projection for Face Recognition. Information (Switzerland), 2015, 6, 152-161.	2.9	1
1965	Your Brain on Art: Emergent Cortical Dynamics During Aesthetic Experiences. Frontiers in Human Neuroscience, 2015, 9, 626.	2.0	38
1966	Novel Online Dimensionality Reduction Method with Improved Topology Representing and Radial Basis Function Networks. PLoS ONE, 2015, 10, e0131631.	2.5	0

#	ARTICLE	IF	CITATIONS
1967	Crowd-Sourced Mobility Mapping for Location Tracking Using Unlabeled Wi-Fi Simultaneous Localization and Mapping. Mobile Information Systems, 2015, 2015, 1-14.	0.6	2
1968	A Novel Adaptive Conditional Probability-Based Predicting Model for User's Personality Traits. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	2
1969	Parallel Framework for Dimensionality Reduction of Large-Scale Datasets. Scientific Programming, 2015, 2015, 1-12.	0.7	7
1970	Enhancing Both Efficiency and Representational Capability of Isomap by Extensive Landmark Selection. Mathematical Problems in Engineering, 2015, 2015, 1-18.	1.1	4
1971	Semisupervised Tangent Space Discriminant Analysis. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	2
1972	Fault Diagnosis of Supervision and Homogenization Distance Based on Local Linear Embedding Algorithm. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	3
1974	REAL-TIME RELIABILITY ASSESSMENT AND LIFETIME PREDICTION FOR BEARINGS USING THE INDIVIDUAL STATE DEVIATION BASED ON THE MANIFOLD DISTANCE. Transactions of the Canadian Society for Mechanical Engineering, 2015, 39, 691-703.	0.8	4
1975	Composition of Local Normal Coordinates and Polyhedral Geometry in Riemannian Manifold Learning. International Journal of Natural Computing Research, 2015, 5, 37-68.	0.5	2
1976	Restricted Bipartite Graphs Based Target Detection for Hyperspectral Image Classification with GFA-LFDA Multi Feature Selection. Research Journal of Applied Sciences, Engineering and Technology, 2015, 10, 504-513.	0.1	0
1977	Graph Structure for Visual Signal Sensing. Springer Theses, 2015, , 45-62.	0.1	0
1978	Spectral clustering and semi-supervised learning using evolving similarity graphs. Applied Soft Computing Journal, 2015, 34, 625-637.	7.2	16
1979	Manifold Learning for Cardiac Modeling and Estimation Framework. Lecture Notes in Computer Science, 2015, , 284-294.	1.3	3
1981	Artificial Intelligence Perspectives and Applications. Advances in Intelligent Systems and Computing, 2015, , .	0.6	2
1982	Discriminative sparsity preserving projections for image recognition. Pattern Recognition, 2015, 48, 2543-2553.	8.1	52
1983	Estimating smile intensity: A better way. Pattern Recognition Letters, 2015, 66, 13-21.	4.2	38
1984	Multivariate time-series analysis and diffusion maps. Signal Processing, 2015, 116, 13-28.	3.7	19
1986	Dimensionality reduction of hyperspectral images based on sparse discriminant manifold embedding. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 106, 42-54.	11.1	47
1987	Cauchy Graph Embedding Optimization for Built-Up Areas Detection From High-Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2078-2096.	4.9	39

#	ARTICLE	IF	CITATIONS
1988	Big data and deep data in scanning and electron microscopies: deriving functionality from multidimensional data sets. Advanced Structural and Chemical Imaging, 2015, 1, 6.	4.0	74
1989	Image classification using kernel flexible manifold embedding. , 2015, , .		0
1990	Learning Semi-Supervised Representation Towards a Unified Optimization Framework for Semi-Supervised Learning. , 2015, , .		26
1991	Robust Principal Component Analysis on Graphs. , 2015, , .		69
1992	An unsupervised approach for comparing styles of illustrations. , 2015, , .		0
1993	Cross-domain recognition by identifying compact joint subspaces. , 2015, , .		1
1994	Learning Hypergraph-regularized Attribute Predictors. , 2015, , .		78
1995	Identification of wireless network cards based on signatures of wireless traffic. , 2015, , .		0
1996	A graph Laplacian regularization for hyperspectral data unmixing. , 2015, , .		27
1997	Metric-Constrained Kernel Union of Subspaces. , 2015, , .		2
1998	On a time-frequency approach to translation on finite graphs. , 2015, , .		0
1999	Geodesic exponential kernels: When curvature and linearity conflict. , 2015, , .		46
2000	Statistical inference models for image datasets with systematic variations. , 2015, 2015, 4795-4803.		4
2001	Conformal and Low-Rank Sparse Representation for Image Restoration. , 2015, , .		10
2002	Piecewise linear dimension reduction for nonnegative data. , 2015, , .		1
2003	Manifold-based learning for person re-identification. , 2015, , .		1
2004	Manifold mapping learning by regression tree boosting. , 2015, , .		1
2005	Alternating diffusion for common manifold learning with application to sleep stage assessment. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
2006	A novel dimensionality reduction algorithm based on Laplace matrix for microbiome data analysis. , 2015, , .		0
2007	Recognition of Human daily activities. , 2015, , .		4
2008	Head pose estimation in the wild using approximate view manifolds. , 2015, , .		22
2009	Matrix Backpropagation for Deep Networks with Structured Layers. , 2015, , .		171
2010	Bl-sparsity pursuit for robust subspace recovery. , 2015, , .		15
2011	A new algorithm for non-rigid point matching using geodesic graph model. , 2015, , .		3
2012	Shape prior based image segmentation using manifold learning. , 2015, , .		4
2013	Ordinal embedding of unweighted kNN graphs via synchronization. , 2015, , .		1
2014	Coherence and incoherence collective behavior in financial market. Europhysics Letters, 2015, 112, 28002.	2.0	4
2015	Detection and localization of abnormal activities in video surveillance system. , 2015, , .		2
2016	Supervised Discrete Hashing. , 2015, , .		838
2018	An algorithm for visualization of big data in a two-dimensional space. , 2015, , .		3
2019	Manifold unwrapping using critical surfaces. , 2015, , .		0
2020	Detecting bridging nodes in network using spectral fuzzy clustering. , 2015, , .		0
2021	L1-Norm Driven Semi-supervised Local Discriminant Projection for Robust Image Representation. , 2015, , .		1
2022	Feature selection of manifold learning using principal component analysis in brain MR image. , 2015, , .		2
2023	A content-based image retrieval method based on manifold learning. , 2015, , .		0
2024	Ortho-diffusion decompositions for face recognition from low quality images. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
2025	Statistical Learning via Manifold Learning. , 2015, , .		5
2026	Supervised Hessian Eigenmap for dimensionality reduction. , 2015, , .		1
2027	Kernel optimization strategy based on mean shift. , 2015, , .		1
2028	Graph connection Laplacian and random matrices with random blocks. Information and Inference, 2015, 4, 1-44.	1.6	8
2029	Similarity Learning of Manifold Data. IEEE Transactions on Cybernetics, 2015, 45, 1744-1756.	9.5	20
2030	Dimension reduction using spectral methods in FANNY for fuzzy clustering of graphs. , 2015, , .		2
2031	Facial expression recognition in the wild using rich deep features. , 2015, , .		1
2032	On Reducing the Effect of Silhouette Quality on Individual Gait Recognition: A Feature Fusion Approach. , 2015, , .		3
2033	Discriminant multi-label manifold embedding for facial Action Unit detection. , 2015, , .		34
2034	Multimodal Manifold Analysis by Simultaneous Diagonalization of Laplacians. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2505-2517.	13.9	48
2035	Information preserving and locally isometric&conformal embedding via Tangent Manifold Learning. , 2015, , .		5
2036	Detection of anomaly in human retina using Laplacian Eigenmaps and vectorized matched filtering. , 2015, , .		2
2037	Weakly Supervised Deep Metric Learning for Community-Contributed Image Retrieval. IEEE Transactions on Multimedia, 2015, 17, 1989-1999.	7.2	169
2038	Machine Learning Algorithms. , 2015, , 839-841.		2
2039	Face recognition based on the differential mode SLPP. , 2015, , .		0
2041	Uncorrelated slow feature discriminant analysis using globality preserving projections for feature extraction. Neurocomputing, 2015, 168, 488-499.	5.9	15
2042	Bilinear Embedding Label Propagation: Towards Scalable Prediction of Image Labels. IEEE Signal Processing Letters, 2015, 22, 2411-2415.	3.6	2
2043	Supervised locally linear embedding algorithm based on orthogonal matching pursuit. IET Image Processing, 2015, 9, 626-633.	2.5	3

#	ARTICLE	IF	CITATIONS
2044	Application of Semantic-Based Laplacian Eigenmaps Method in 3D Model Classification and Retrieval. Lecture Notes in Computer Science, 2015, , 550-559.	1.3	0
2045	Cloud Computing and Security. Lecture Notes in Computer Science, 2015, , .	1.3	4
2046	A distributed framework for supporting adaptive ensemble-based intrusion detection. , 2015, , .		1
2047	Robust Discrete Spectral Hashing for Large-Scale Image Semantic Indexing. IEEE Transactions on Big Data, 2015, 1, 162-171.	6.1	82
2048	Automating X-ray Fluorescence Analysis for Rapid Astrobiology Surveys. Astrobiology, 2015, 15, 961-976.	3.0	8
2049	Learning Visual Semantic Relationships for Efficient Visual Retrieval. IEEE Transactions on Big Data, 2015, 1, 152-161.	6.1	85
2050	Segmental acoustic indexing for zero resource keyword search. , 2015, , .		43
2051	Graph-Based Learning via Auto-Grouped Sparse Regularization and Kernelized Extension. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 142-154.	5.7	40
2052	Automatic image annotation via compact graph based semi-supervised learning. Knowledge-Based Systems, 2015, 76, 148-165.	7.1	70
2053	Robust Temporally Coherent Laplacian Protrusion Segmentation of 3D Articulated Bodies. International Journal of Computer Vision, 2015, 112, 43-70.	15.6	0
2054	Efficient tracking of human poses using a manifold hierarchy. Computer Vision and Image Understanding, 2015, 132, 75-86.	4.7	6
2055	Feature extraction using adaptive slow feature discriminant analysis. Neurocomputing, 2015, 154, 139-148.	5.9	21
2056	A manifold learning method to detect respiratory signal from liver ultrasound images. Computerized Medical Imaging and Graphics, 2015, 40, 194-204.	5.8	5
2057	Semi-Supervised Local Fisher Discriminant Analysis Based on Reconstruction Probability Class. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1550007.	1.2	6
2058	Regression analysis of locality preserving projections via sparse penalty. Information Sciences, 2015, 303, 1-14.	6.9	16
2059	Automatic spike sorting by unsupervised clustering with diffusion maps and silhouettes. Neurocomputing, 2015, 153, 199-210.	5.9	26
2060	Multiview Hessian regularized logistic regression for action recognition. Signal Processing, 2015, 110, 101-107.	3.7	68
2061	Multi-label learning with discriminative features for each label. Neurocomputing, 2015, 154, 305-316.	5.9	33

#	ARTICLE	IF	CITATIONS
2062	A hyperspectral image classification framework and its application. Information Sciences, 2015, 299, 379-393.	6.9	17
2063	Probing the Unfolded Configurations of a \hat{I}^2 -Hairpin Using Sketch-Map. Journal of Chemical Theory and Computation, 2015, 11, 1086-1093.	5.3	25
2064	Robust Structured Subspace Learning for Data Representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2085-2098.	13.9	303
2065	Large-scale eigenvector approximation via Hilbert Space Embedding Nystr�m. Pattern Recognition, 2015, 48, 1904-1912.	8.1	7
2066	Using idea of three-step sparse residuals measurement to perform discriminant analysis. Soft Computing, 2015, 19, 2355-2370.	3.6	3
2067	Manifold Learning in MR spectroscopy using nonlinear dimensionality reduction and unsupervised clustering. Magnetic Resonance in Medicine, 2015, 74, 868-878.	3.0	26
2068	Web document ranking via active learning and kernel principal component analysis. International Journal of Modern Physics C, 2015, 26, 1550041.	1.7	6
2069	Homeomorphic Manifold Analysis (HMA): Untangling Complex Manifolds. Advances in Imaging and Electron Physics, 2015, 187, 1-81.	0.2	0
2070	Sparse discriminative region selection algorithm for face recognition. Applied Intelligence, 2015, 42, 817-828.	5.3	3
2071	Local-Manifold-Learning-Based Graph Construction for Semisupervised Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2832-2844.	6.3	105
2072	Nonparametric discriminant multi-manifold learning for dimensionality reduction. Neurocomputing, 2015, 152, 121-126.	5.9	25
2073	Embedding and function extension on directed graph. Signal Processing, 2015, 111, 137-149.	3.7	8
2074	Combinative hypergraph learning for semi-supervised image classification. Neurocomputing, 2015, 153, 271-277.	5.9	9
2075	Multiview self-learning. Neurocomputing, 2015, 155, 117-127.	5.9	5
2076	Ensemble manifold regularized sparse low-rank approximation for multiview feature embedding. Pattern Recognition, 2015, 48, 3102-3112.	8.1	260
2077	Supervised sparse manifold regression for head pose estimation in 3D space. Signal Processing, 2015, 112, 34-42.	3.7	62
2078	Graph Based Constrained Semi-Supervised Learning Framework via Label Propagation over Adaptive Neighborhood. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2362-2376.	5.7	77
2079	Graph regularized linear discriminant analysis and its generalization. Pattern Analysis and Applications, 2015, 18, 639-650.	4.6	8

#	ARTICLE	IF	CITATIONS
2080	Graph Based Semi-Supervised Learning via Structure Preserving Low-Rank Representation. Neural Processing Letters, 2015, 41, 389-406.	3.2	10
2081	Sparse discriminant learning with l_1 -graph for hyperspectral remote-sensing image classification. International Journal of Remote Sensing, 2015, 36, 1307-1328.	2.9	7
2082	Manifold proximal support vector machine with mixed-norm for semi-supervised classification. Neural Computing and Applications, 2015, 26, 399-407.	5.6	3
2083	A novel marker-less lung tumor localization strategy on low-rank fluoroscopic images with similarity learning. Multimedia Tools and Applications, 2015, 74, 10535-10558.	3.9	0
2084	Data visualization by nonlinear dimensionality reduction. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2015, 5, 51-73.	6.8	47
2085	Graph optimized Laplacian eigenmaps for face recognition. , 2015, , .		3
2086	Outlier Detection in the Framework of Dimensionality Reduction. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1550017.	1.2	6
2087	Visual similarity analysis in loop closure through data dimensionality reduction via diffusion maps. , 2015, , .		1
2088	How to ground a language for legal discourse in a prototypical perceptual semantics. , 2015, , .		3
2089	Diffusion Maps for dimensionality reduction and visualization of meteorological data. Neurocomputing, 2015, 163, 25-37.	5.9	14
2090	Spectral goodness of fit for network models. Social Networks, 2015, 43, 16-27.	2.1	17
2091	Towards Better Semi-Supervised Classification of Malicious Software. , 2015, , .		1
2092	Intrinsic modeling of stochastic dynamical systems using empirical geometry. Applied and Computational Harmonic Analysis, 2015, 39, 138-160.	2.2	25
2093	Bimodality and regime behavior in atmosphere-ocean interactions during the recent climate change. Dynamics of Atmospheres and Oceans, 2015, 70, 1-11.	1.8	6
2094	Semi-Supervised Image Classification by Nonnegative Sparse Neighborhood Propagation. , 2015, , .		29
2095	Locality preserving score for joint feature weights learning. Neural Networks, 2015, 69, 126-134.	5.9	9
2096	Learning Non-linear Structures with Gaussian Markov Random Fields. Procedia Environmental Sciences, 2015, 26, 38-44.	1.4	1
2097	Discriminant sparse local spline embedding with application to face recognition. Knowledge-Based Systems, 2015, 89, 47-55.	7.1	11

#	ARTICLE	IF	CITATIONS
2098	Random walker with spatial constraint and hyperspectral image classification. Remote Sensing Letters, 2015, 6, 331-340.	1.4	1
2099	On the Selection of Dimension Reduction Techniques for Scientific Applications. Annals of Information Systems, 2015, , 91-121.	0.5	0
2100	What Strikes the Strings of Your Heart?â€”Feature Mining for Music Emotion Analysis. IEEE Transactions on Affective Computing, 2015, 6, 247-260.	8.3	20
2101	Fuzzy local discriminant embedding for image feature extraction. Computers and Electrical Engineering, 2015, 46, 231-240.	4.8	18
2102	Implementation of Two Stages k-Means Algorithm to Apply a Payment System Provider Framework in Banking Systems. Advances in Intelligent Systems and Computing, 2015, , 203-213.	0.6	2
2103	Adaptive graph construction using data self-representativeness for pattern classification. Information Sciences, 2015, 325, 118-139.	6.9	31
2104	Topological data analysis of contagion maps for examining spreading processes on networks. Nature Communications, 2015, 6, 7723.	12.8	90
2105	Multi-scale similarities in stochastic neighbour embedding: Reducing dimensionality while preserving both local and global structure. Neurocomputing, 2015, 169, 246-261.	5.9	61
2106	Social Influence Based Clustering and Optimization over Heterogeneous Information Networks. ACM Transactions on Knowledge Discovery From Data, 2015, 10, 1-53.	3.5	29
2107	An Efficient Semi-Supervised Classifier Based on Block-Polynomial Mapping. IEEE Signal Processing Letters, 2015, 22, 1776-1780.	3.6	4
2108	Kernel and Information-Theoretic Methods for the Extraction and Predictability of Organized Tropical Convection. , 2015, , 147-159.		0
2109	Kernel Methods. , 2015, , 577-605.		0
2110	Gromovâ€™Hausdorff Approximation of Filamentary Structures Using Reeb-Type Graphs. Discrete and Computational Geometry, 2015, 53, 621-649.	0.6	14
2111	Ortho-diffusion decompositions of graph-based representation of images. Pattern Recognition, 2015, 48, 4097-4115.	8.1	3
2112	Coupled Projections for Adaptation of Dictionaries. IEEE Transactions on Image Processing, 2015, 24, 2941-2954.	9.8	30
2113	Silhouette Analysis for Human Action Recognition Based on Supervised Temporal t-SNE and Incremental Learning. IEEE Transactions on Image Processing, 2015, 24, 3203-3217.	9.8	59
2114	Manifold Learning for Latent Variable Inference in Dynamical Systems. IEEE Transactions on Signal Processing, 2015, 63, 3843-3856.	5.3	41
2115	Functional Imaging and Modeling of the Heart. Lecture Notes in Computer Science, 2015, , .	1.3	13

#	ARTICLE	IF	CITATIONS
2116	Systematic characterization of protein folding pathways using diffusion maps: Application to Trp-cage miniprotein. <i>Journal of Chemical Physics</i> , 2015, 142, 085101.	3.0	53
2117	Local regularization concept factorization and its semi-supervised extension for image representation. <i>Neurocomputing</i> , 2015, 158, 1-12.	5.9	30
2118	Kernel flexible manifold embedding for pattern classification. <i>Neurocomputing</i> , 2015, 167, 517-527.	5.9	38
2119	Multi-manifold LLE learning in pattern recognition. <i>Pattern Recognition</i> , 2015, 48, 2947-2960.	8.1	58
2120	A class of Laplacian multiwavelets bases for high-dimensional data. <i>Applied and Computational Harmonic Analysis</i> , 2015, 38, 420-451.	2.2	6
2121	Fault detection via local and nonlocal embedding. <i>Chemical Engineering Research and Design</i> , 2015, 94, 538-548.	5.6	39
2122	Non-negative EMD manifold for feature extraction in machinery fault diagnosis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 70, 188-202.	5.0	35
2123	Graph-Based Label Propagation in Digital Media. <i>ACM Computing Surveys</i> , 2015, 47, 1-35.	23.0	28
2124	Emotion recognition using semi-supervised feature selection with speaker normalization. <i>International Journal of Speech Technology</i> , 2015, 18, 317-331.	2.2	12
2125	Autonomous Learning of State Representations for Control: An Emerging Field Aims to Autonomously Learn State Representations for Reinforcement Learning Agents from Their Real-World Sensor Observations. <i>KI - Kunstliche Intelligenz</i> , 2015, 29, 353-362.	3.2	31
2126	ImageCLEF annotation with explicit context-aware kernel maps. <i>International Journal of Multimedia Information Retrieval</i> , 2015, 4, 113-128.	5.2	13
2127	Dimensionality Reduction and Latent Variables Modeling. , 2015, , 937-1011.		0
2128	Laplacian Auto-Encoders: An explicit learning of nonlinear data manifold. <i>Neurocomputing</i> , 2015, 160, 250-260.	5.9	60
2129	The geometry of kernelized spectral clustering. <i>Annals of Statistics</i> , 2015, 43, .	2.6	32
2130	Measuring the intensity of spontaneous facial action units with dynamic Bayesian network. <i>Pattern Recognition</i> , 2015, 48, 3417-3427.	8.1	36
2131	Sparse graph-based transduction for image classification. <i>Journal of Electronic Imaging</i> , 2015, 24, 023007.	0.9	3
2132	A comparative study on manifold learning of hyperspectral data for land cover classification. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
2133	A Density-Penalized Distance Measure for Clustering. <i>Lecture Notes in Computer Science</i> , 2015, , 238-249.	1.3	2

#	ARTICLE	IF	CITATIONS
2135	Adaptive unsupervised slow feature analysis for feature extraction. Journal of Electronic Imaging, 2015, 24, 023021.	0.9	0
2136	Online Convex Optimization in Dynamic Environments. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 647-662.	10.8	132
2137	Temporal ordering and registration of images in studies of developmental dynamics. Development (Cambridge), 2015, 142, 1717-24.	2.5	15
2138	Simultaneous Reconstruction and Segmentation of Dynamic PET via Low-Rank and Sparse Matrix Decomposition. IEEE Transactions on Biomedical Engineering, 2015, 62, 1784-1795.	4.2	19
2139	Heterogeneity assessment of histological tissue sections in whole slide images. Computerized Medical Imaging and Graphics, 2015, 42, 51-55.	5.8	14
2140	Cortical Spatiotemporal Dimensionality Reduction for Visual Grouping. Neural Computation, 2015, 27, 1252-1293.	2.2	13
2141	Unfolding Kernel embeddings of graphs: Enhancing class separation through manifold learning. Pattern Recognition, 2015, 48, 3357-3370.	8.1	13
2142	Joint Local and Global Consistency on Interdocument and Interword Relationships for Co-Clustering. IEEE Transactions on Cybernetics, 2015, 45, 15-28.	9.5	10
2143	Binary Data Embedding Framework for Multiclass Classification. IEEE Transactions on Human-Machine Systems, 2015, 45, 453-464.	3.5	7
2144	High-dimensional semi-supervised learning via a fusion-refinement procedure. Signal Processing, 2015, 114, 171-182.	3.7	4
2145	Dual Graph Regularized Latent Low-Rank Representation for Subspace Clustering. IEEE Transactions on Image Processing, 2015, 24, 4918-4933.	9.8	110
2146	Unbalanced graph-based transduction on superpixels for automatic cervigram image segmentation. , 2015, , .		7
2147	Laplacian Eigenfunctions for Climate Analysis. Journal of Climate, 2015, 28, 7420-7436.	3.2	23
2148	Semi-supervised learning via nonnegative least squares regression. , 2015, , .		0
2149	Machine Learnable Fold Space Representation based on Residue Cluster Classes. Computational Biology and Chemistry, 2015, 59, 1-7.	2.3	8
2150	Exploring EO vehicle recognition performance using manifolds as a function of lighting condition variability. , 2015, , .		1
2151	Rotating Machine Fault Diagnosis Based on Locality Preserving Projection and Back Propagation Neural Networkâ€”Support Vector Machine Model. Measurement and Control, 2015, 48, 211-216.	1.8	21
2152	Reinforcement learning, efficient coding, and the statistics of natural tasks. Current Opinion in Behavioral Sciences, 2015, 5, 71-77.	3.9	61

#	ARTICLE	IF	CITATIONS
2153	Learning the hash code with generalised regression neural networks for handwritten signature biometric data retrieval. , 2015, , .		0
2154	A novel dimensionality reduction technique based on kernel optimization through graph embedding. Signal, Image and Video Processing, 2015, 9, 3-10.	2.7	2
2155	KCRC-LCD: Discriminative kernel collaborative representation with locality constrained dictionary for visual categorization. Pattern Recognition, 2015, 48, 3076-3092.	8.1	31
2157	A New Supervised Manifold Learning Algorithm. Lecture Notes in Computer Science, 2015, , 240-251.	1.3	3
2158	Low-dimensional representations of hyperspectral data for use in CRF-based classification. , 2015, , .		1
2159	Learning the Nonlinear Geometry of High-Dimensional Data: Models and Algorithms. IEEE Transactions on Signal Processing, 2015, 63, 6229-6244.	5.3	18
2160	Manifold learning in sparse selected feature subspaces. , 2015, , .		0
2161	Multiple Kernel Learning for Spectral Dimensionality Reduction. Lecture Notes in Computer Science, 2015, , 626-634.	1.3	6
2162	Combined delay and graph embedding of epileptic discharges in EEG reveals complex and recurrent nonlinear dynamics. , 2015, 2015, 347-350.		10
2163	Bi-directional trust index computation in resource marketplace. , 2015, , .		1
2164	Dimensionality Reduction for Hyperspectral Data Based on Class-Aware Tensor Neighborhood Graph and Patch Alignment. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1582-1593.	11.3	44
2165	ClassiMap: A New Dimension Reduction Technique for Exploratory Data Analysis of Labeled Data. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1551008.	1.2	8
2166	Unsupervised Feature Learning Via Spectral Clustering of Multidimensional Patches for Remotely Sensed Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2015-2030.	4.9	145
2167	Signal Recovery on Graphs: Variation Minimization. IEEE Transactions on Signal Processing, 2015, 63, 4609-4624.	5.3	185
2169	Dimensionality Reduction of Hyperspectral Images With Sparse Discriminant Embedding. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5160-5169.	6.3	41
2170	Approximate policy iteration with unsupervised feature learning based on manifold regularization. , 2015, , .		3
2171	Local Structure-Based Sparse Representation for Face Recognition. ACM Transactions on Intelligent Systems and Technology, 2015, 7, 1-20.	4.5	20
2172	Machine Learning in Medical Imaging. Lecture Notes in Computer Science, 2015, , .	1.3	7

#	ARTICLE	IF	CITATIONS
2173	A Filter Feature Selection Method Based on MFA Score and Redundancy Excluding and It's Application to Tumor Gene Expression Data Analysis. Interdisciplinary Sciences, Computational Life Sciences, 2015, 7, 391-396.	3.6	3
2174	A novel approach for pain intensity detection based on facial feature deformations. Journal of Visual Communication and Image Representation, 2015, 33, 247-254.	2.8	36
2175	Scalable Similarity Learning Using Large Margin Neighborhood Embedding. , 2015, , .		1
2176	Feature selection and feature learning for high-dimensional batch reinforcement learning: A survey. International Journal of Automation and Computing, 2015, 12, 229-242.	4.5	28
2177	Spatial-spectral dimensionality reduction of hyperspectral imagery with partial knowledge of class labels. , 2015, , .		10
2178	Spatial-Statistical Local Approach for Improved Manifold-Based Process Monitoring. Industrial & Engineering Chemistry Research, 2015, 54, 8509-8519.	3.7	19
2179	Dictionary Pair Learning on Grassmann Manifolds for Image Denoising. IEEE Transactions on Image Processing, 2015, 24, 4556-4569.	9.8	41
2180	Discriminative spatial-spectral manifold embedding for hyperspectral image classification. Remote Sensing Letters, 2015, 6, 715-724.	1.4	11
2181	Making nonlinear manifold learning models interpretable: The manifold grand tour. Expert Systems With Applications, 2015, 42, 8982-8988.	7.6	2
2182	Eigenvector localization on data-dependent graphs. , 2015, , .		1
2183	SLIC superpixels for efficient graph-based dimensionality reduction of hyperspectral imagery. Proceedings of SPIE, 2015, , .	0.8	25
2184	Methodologies for Cross-Domain Data Fusion: An Overview. IEEE Transactions on Big Data, 2015, 1, 16-34.	6.1	289
2185	An emboli detection system based on Dual Tree Complex Wavelet Transform and ensemble learning. Applied Soft Computing Journal, 2015, 37, 87-94.	7.2	19
2186	Multiple Classifier Systems. , 2015, , 1142-1147.		5
2187	Unsupervised neighborhood component analysis for clustering. Neurocomputing, 2015, 168, 609-617.	5.9	49
2188	Modeling and mitigating noise in graph and manifold representations of hyperspectral imagery. Proceedings of SPIE, 2015, , .	0.8	2
2189	A novel method of feature extraction and fusion and its application in satellite images classification. Remote Sensing Letters, 2015, 6, 687-696.	1.4	1
2190	Local similarity preserving projections for face recognition. AEU - International Journal of Electronics and Communications, 2015, 69, 1724-1732.	2.9	9

#	ARTICLE	IF	CITATIONS
2191	PSF: A Unified Patient Similarity Evaluation Framework Through Metric Learning With Weak Supervision. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1053-1060.	6.3	41
2192	Similarity-balanced discriminant neighbor embedding and its application to cancer classification based on gene expression data. Computers in Biology and Medicine, 2015, 64, 236-245.	7.0	12
2193	Indefinite Proximity Learning: A Review. Neural Computation, 2015, 27, 2039-2096.	2.2	53
2194	An enhanced noise resilient K-associated graph classifier. Expert Systems With Applications, 2015, 42, 8283-8293.	7.6	6
2195	Machine learning assembly landscapes from particle tracking data. Soft Matter, 2015, 11, 8141-8153.	2.7	53
2196	Multi-atlas learner fusion: An efficient segmentation approach for large-scale data. Medical Image Analysis, 2015, 26, 82-91.	11.6	32
2197	Modeling Decisions for Artificial Intelligence. Lecture Notes in Computer Science, 2015, , .	1.3	1
2198	Factorization of view-object manifolds for joint object recognition and pose estimation. Computer Vision and Image Understanding, 2015, 139, 89-103.	4.7	5
2199	Reconstructing and analysing cellular states, space and time from gene expression profiles of many cells and single cells. Molecular BioSystems, 2015, 11, 2690-2698.	2.9	4
2200	RingIt. ACM Transactions on Graphics, 2015, 34, 1-11.	7.2	10
2201	Multiple-domain manifold for feature extraction in machinery fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2015, 75, 76-91.	5.0	40
2202	Supervised learning for neural manifold using spatiotemporal brain activity. Journal of Neural Engineering, 2015, 12, 066025.	3.5	2
2203	Dimensionality Reduction by Integrating Sparse Representation and Fisher Criterion and its Applications. IEEE Transactions on Image Processing, 2015, 24, 5684-5695.	9.8	32
2204	Robust dimension reduction. Wiley Interdisciplinary Reviews: Computational Statistics, 2015, 7, 63-69.	3.9	5
2205	Online gesture-based interaction with visual oriental characters based on manifold learning. Signal Processing, 2015, 110, 123-131.	3.7	3
2206	Greedy approaches to semi-supervised subspace learning. Pattern Recognition, 2015, 48, 1563-1570.	8.1	6
2207	Fault diagnosis method using supervised extended local tangent space alignment for dimension reduction. Measurement: Journal of the International Measurement Confederation, 2015, 62, 1-14.	5.0	26
2209	Local Embeddings of Metric Spaces. Algorithmica, 2015, 72, 539-606.	1.3	1

#	ARTICLE	IF	CITATIONS
2210	Evaluating cluster detection algorithms and feature extraction techniques in automatic classification of fish species. Pattern Analysis and Applications, 2015, 18, 783-797.	4.6	17
2211	Approximately-isometric diffusion maps. Applied and Computational Harmonic Analysis, 2015, 38, 399-419.	2.2	11
2212	Discriminative structure discovery via dimensionality reduction for facial image manifold. Neural Computing and Applications, 2015, 26, 373-381.	5.6	2
2213	Graph Embedded Nonparametric Mutual Information for Supervised Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 951-963.	11.3	27
2214	Trends in extreme learning machines: A review. Neural Networks, 2015, 61, 32-48.	5.9	1,454
2215	Discriminative Embedded Clustering: A Framework for Grouping High-Dimensional Data. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1287-1299.	11.3	72
2216	Projection-optimal local Fisher discriminant analysis for feature extraction. Neural Computing and Applications, 2015, 26, 589-601.	5.6	14
2217	Advances in Production Technology. Lecture Notes in Production Engineering, 2015, , .	0.4	30
2218	Out-of-sample extension of band-limited functions on homogeneous manifolds using diffusion maps. Signal Processing, 2015, 108, 521-529.	3.7	3
2219	A fusion feature and its improvement based on locality preserving projections for rolling element bearing fault classification. Journal of Sound and Vibration, 2015, 335, 367-383.	3.9	95
2220	NNMap: A method to construct a good embedding for nearest neighbor classification. Neurocomputing, 2015, 152, 97-108.	5.9	3
2221	Real World Data Mining Applications. Annals of Information Systems, 2015, , .	0.5	4
2222	Multitask Spectral Clustering by Exploring Intertask Correlation. IEEE Transactions on Cybernetics, 2015, 45, 1083-1094.	9.5	150
2223	Detection of weak transient signals based on wavelet packet transform and manifold learning for rolling element bearing fault diagnosis. Mechanical Systems and Signal Processing, 2015, 54-55, 259-276.	8.0	199
2224	Discrete Hessian Eigenmaps method for dimensionality reduction. Journal of Computational and Applied Mathematics, 2015, 278, 197-212.	2.0	13
2225	A collaborative representation based projections method for feature extraction. Pattern Recognition, 2015, 48, 20-27.	8.1	203
2226	Parametric nonlinear dimensionality reduction using kernel t-SNE. Neurocomputing, 2015, 147, 71-82.	5.9	181
2228	Fusion of Local Manifold Learning Methods. IEEE Signal Processing Letters, 2015, 22, 395-399.	3.6	9

#	ARTICLE	IF	CITATIONS
2229	Simple yet effective color principal and discriminant feature extraction for representing and recognizing color images. <i>Neurocomputing</i> , 2015, 149, 1058-1073.	5.9	7
2230	Scaling cut criterion-based discriminant analysis for supervised dimension reduction. <i>Knowledge and Information Systems</i> , 2015, 43, 633-655.	3.2	13
2231	Learning latent semantic model with visual consistency for image analysis. <i>Multimedia Tools and Applications</i> , 2015, 74, 1341-1356.	3.9	0
2232	Non-negative Matrix Factorization with Pairwise Constraints and Graph Laplacian. <i>Neural Processing Letters</i> , 2015, 42, 167-185.	3.2	12
2233	Ensemble Manifold Rank Preserving for Acceleration-Based Human Activity Recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 1392-1404.	11.3	64
2234	Orthogonal discriminant neighborhood analysis for tumor classification. <i>Soft Computing</i> , 2016, 20, 263-271.	3.6	3
2235	MAPPING THE SIMILARITIES OF SPECTRA: GLOBAL AND LOCALLY-BIASED APPROACHES TO SDSS GALAXIES. <i>Astrophysical Journal</i> , 2016, 833, 26.	4.5	6
2236	Asymptotic Properties of Local Sampling on Manifold. <i>Journal of Mathematics and Statistics</i> , 2016, 12, 157-175.	0.2	6
2237	Sparse models for imaging genetics. , 2016, , 129-151.		2
2238	Initiation and termination of intraseasonal oscillations in nonlinear Laplacian spectral analysis-based indices. <i>Mathematics of Climate and Weather Forecasting</i> , 2016, 2, .	0.8	3
2239	Survey of Object-Based Data Reduction Techniques in Observational Astronomy. <i>Open Physics</i> , 2016, 14, 579-587.	1.7	2
2240	Scale-Dependent Signal Identification in Low-Dimensional Subspace: Motor Imagery Task Classification. <i>Neural Plasticity</i> , 2016, 2016, 1-15.	2.2	10
2241	Robust Structure Preserving Nonnegative Matrix Factorization for Dimensionality Reduction. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-14.	1.1	0
2242	Remaining Useful Life Prediction of Rolling Bearings Using PSR, JADE, and Extreme Learning Machine. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-13.	1.1	24
2243	Spectral Nonlinearly Embedded Clustering Algorithm. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	1.1	2
2244	Multisensor Fused Fault Diagnosis for Rotation Machinery Based on Supervised Second-Order Tensor Locality Preserving Projection and Weighted $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Nearest Neighbor Classifier under Assembled Matrix Distance Metric. <i>Shock and Vibration</i> , 2016, 2016, 1-14.	0.6	8
2245	Plant Leaf Recognition through Local Discriminative Tangent Space Alignment. <i>Journal of Electrical and Computer Engineering</i> , 2016, 2016, 1-5.	0.9	1
2246	Sparsity Preserving Discriminant Projections with Applications to Face Recognition. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-12.	1.1	1

#	ARTICLE	IF	CITATIONS
2247	A Multikernel-Like Learning Algorithm Based on Data Probability Distribution. Mathematical Problems in Engineering, 2016, 2016, 1-18.	1.1	0
2248	Nonlinear Alignment and Its Local Linear Iterative Solution. Mathematical Problems in Engineering, 2016, 2016, 1-14.	1.1	0
2249	The Chaotic Attractor Analysis of DJIA Based on Manifold Embedding and Laplacian Eigenmaps. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	12
2250	Orthogonal Discriminant Diversity and Similarity Preserving Projection for Face Recognition. MATEC Web of Conferences, 2016, 61, 02012.	0.2	0
2251	Representational Distance Learning for Deep Neural Networks. Frontiers in Computational Neuroscience, 2016, 10, 131.	2.1	30
2252	SLICER: inferring branched, nonlinear cellular trajectories from single cell RNA-seq data. Genome Biology, 2016, 17, 106.	8.8	155
2253	Manifold regularization for sparse unmixing of hyperspectral images. SpringerPlus, 2016, 5, 2007.	1.2	6
2255	STAR - Laplacian Spectral Kernels and Distances for Geometry Processing and Shape Analysis. Computer Graphics Forum, 2016, 35, 599-624.	3.0	20
2256	Spatial-spectral operator theoretic methods for hyperspectral image classification. GEM - International Journal on Geomathematics, 2016, 7, 275-297.	1.6	6
2257	A novel landmark point selection method for L-ISOMAP. , 2016, , .		7
2258	Locality preserving based data regression and its application for soft sensor modelling. Canadian Journal of Chemical Engineering, 2016, 94, 1977-1986.	1.7	6
2259	Embeddings of Riemannian Manifolds with Heat Kernels and Eigenfunctions. Communications on Pure and Applied Mathematics, 2016, 69, 478-518.	3.1	15
2260	Nonlinear model reduction via a locally weighted POD method. International Journal for Numerical Methods in Engineering, 2016, 106, 372-396.	2.8	23
2261	Representations of piecewise smooth signals on graphs. , 2016, , .		22
2262	A Synergetic Brain-Machine Interfacing Paradigm for Multi-DOF Robot Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 957-968.	9.3	39
2263	PCA using graph total variation. , 2016, , .		7
2264	Fully Automated Data-Driven Respiratory Signal Extraction From SPECT Images Using Laplacian Eigenmaps. IEEE Transactions on Medical Imaging, 2016, 35, 2425-2435.	8.9	31
2265	Nonlinear dimensionality reduction by curvature minimization. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
2266	Simultaneous visualization of samples, features and multi-labels. , 2016, , .		0
2267	Intrinsic structure study of whale vocalizations. , 2016, , .		0
2268	Predicting Melbourne ambulance demand using kernel warping. Annals of Applied Statistics, 2016, 10, .	1.1	10
2269	Unsupervised feature extraction using a learned graph with clustering structure. , 2016, , .		1
2270	Multi-label classification with meta-label-specific features. , 2016, , .		23
2271	High dynamic range image processing using manifold-based ordering. , 2016, , .		1
2272	Combining graph embedding and sparse regression with structure low-rank representation for semi-supervised learning. Complex Adaptive Systems Modeling, 2016, 4, .	1.6	1
2273	Nonlinear model reduction of the Navier-Stokes-Equations. , 2016, , .		2
2274	Combined nonlinear visualization and classification: ELMVIS++C. , 2016, , .		3
2275	A spectral series approach to high-dimensional nonparametric regression. Electronic Journal of Statistics, 2016, 10, .	0.7	22
2276	Online topological segmentation of visual sequences using the algebraic connectivity of graphs. Robotica, 2016, 34, 2400-2413.	1.9	0
2277	The improved relative entropy for face recognition. MATEC Web of Conferences, 2016, 63, 04006.	0.2	3
2278	A supervised class-preserving Laplacian eigenmaps for dimensionality reduction. , 2016, , .		0
2279	Toward a severity index for ROP: An unsupervised approach. , 2016, 2016, 1312-1315.		2
2280	Environment characterization using Laplace eigenvalues. , 2016, , .		1
2281	Data-driven facial animation via hypergraph learning. , 2016, , .		0
2282	Semi-supervised sparse dimensionality reduction for hyperspectral image classification. , 2016, , .		1
2283	Nonlinear Dimensionality Reduction by Unit Ball Embedding (UBE) and Its Application to Image Clustering. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
2284	Manifold-based mathematical morphology for graph signal editing of colored images and meshes. , 2016, , .		3
2285	Dimensionality reduction for interactive data visualization via a Geo-Desic approach. , 2016, , .		4
2286	Multimodal metric learning with local CCA. , 2016, , .		1
2287	Persistent homology in graph power filtrations. Royal Society Open Science, 2016, 3, 160228.	2.4	1
2288	SLAM pose-graph robustification via multi-scale Heat-Kernel analysis. , 2016, , .		2
2289	Robust 2DPCA and Its Application. , 2016, , .		7
2290	Phase synchronization in a manifold space for recognizing dynamic hand gestures from periodic image sequence. , 2016, , .		7
2291	Weighted semi-supervised manifold clustering via sparse representation. , 2016, , .		0
2292	Motion planning with diffusion maps. , 2016, , .		12
2293	Spectral and Shape Analysis in Medical Imaging. Lecture Notes in Computer Science, 2016, , .	1.3	1
2294	Locally linear embedding preserving local neighborhood. , 2016, , .		4
2295	Joint nuclear-norm nonlinear Manifold Learning and robust Classification by linear embedding. , 2016, , .		0
2296	Detection of coreâ€periphery structure in networks using spectral methods and geodesic paths. European Journal of Applied Mathematics, 2016, 27, 846-887.	2.9	54
2297	Subspace learning via low rank projections for dimensionality reduction. , 2016, , .		0
2298	Face recognition using locality sparsity preserving projections. , 2016, , .		3
2299	Feature space distance metric learning for discriminant graph embedding. , 2016, , .		1
2300	Nuclear-norm regularized neighborhood preserving projection. , 2016, , .		2
2302	Global graph matching using diffusion maps. Intelligent Data Analysis, 2016, 20, 637-654.	0.9	10

#	ARTICLE	IF	CITATIONS
2303	Local Similarity based Linear Graph Embedding. , 2016, , .		0
2304	Out-of-Sample Extrapolation utilizing Semi-Supervised Manifold Learning (OSE-SSL): Content Based Image Retrieval for Histopathology Images. Scientific Reports, 2016, 6, 27306.	3.3	18
2305	Spectral convergence of the connection Laplacian from random samples. Information and Inference, 2016, , iaw016.	1.6	11
2306	Multiview clustering based on Robust and Regularized Matrix Approximation. , 2016, , .		0
2307	Semisupervised manifold learning for color transfer between multiview images. , 2016, , .		2
2308	Visualizations relevant to the user by multi-view latent variable factorization. , 2016, , .		0
2309	Kernel method for speech source activity detection in multi-modal signals. , 2016, , .		1
2310	Multi-view kernel-based data analysis. , 2016, , .		0
2311	Extraction of spatiotemporal patterns from measured data via adaptive Laplacian eigenfunctions. , 2016, , .		0
2313	The Solution Path Algorithm for Identity-Aware Multi-object Tracking. , 2016, , .		27
2314	Manifold alignment using discrete surface Ricci flow. CAAI Transactions on Intelligence Technology, 2016, 1, 285-292.	8.1	8
2315	Manifold dimension reduction based clustering for multi-objective evolutionary algorithm. , 2016, , .		4
2316	Unsupervised spectral feature selection with l1-norm graph. Neurocomputing, 2016, 200, 47-54.	5.9	28
2317	Multitask Low-Rank Affinity Graph for Image Segmentation and Image Annotation. ACM Transactions on Intelligent Systems and Technology, 2016, 7, 1-18.	4.5	20
2318	Diffusion-based kernel methods on Euclidean metric measure spaces. Applied and Computational Harmonic Analysis, 2016, 41, 190-213.	2.2	8
2319	Sparsity induced locality preserving projection approaches for dimensionality reduction. Neurocomputing, 2016, 200, 35-46.	5.9	11
2320	Topology, Big Data and Optimization. Studies in Big Data, 2016, , 147-176.	1.1	3
2321	Intrinsic structure based feature transform for image classification. Journal of Visual Communication and Image Representation, 2016, 38, 735-744.	2.8	2

#	ARTICLE	IF	CITATIONS
2322	A-Optimal Non-negative Projection with Hessian regularization. Neurocomputing, 2016, 174, 838-849.	5.9	3
2323	Inductive and flexible feature extraction for semi-supervised pattern categorization. Pattern Recognition, 2016, 60, 275-285.	8.1	11
2324	Noise reduction in intracranial pressure signal using causal shape manifolds. Biomedical Signal Processing and Control, 2016, 28, 19-26.	5.7	6
2325	A Modified Locality-Preserving Projection Approach for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1059-1063.	3.1	38
2326	Feature extraction using maximum nonparametric margin projection. Neurocomputing, 2016, 188, 225-232.	5.9	20
2327	SERVE: Soft and Equalized Residual Vectors for image retrieval. Neurocomputing, 2016, 207, 202-212.	5.9	11
2328	A Novel Semi-Supervised Learning Approach in Artificial Olfaction for E-Nose Application. IEEE Sensors Journal, 2016, 16, 4919-4931.	4.7	41
2329	Adaptive linear discriminant regression classification for face recognition. , 2016, 55, 78-84.		15
2330	Visualization in Medicine and Life Sciences III. Mathematics and Visualization, 2016, , .	0.6	0
2331	Biased normalized cuts for target detection in hyperspectral imagery. Proceedings of SPIE, 2016, , .	0.8	1
2332	Local uncorrelated local discriminant embedding for face recognition. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 212-223.	2.6	5
2333	Multiple empirical kernel learning with locality preserving constraint. Knowledge-Based Systems, 2016, 105, 107-118.	7.1	12
2334	Spare L1-norm-based maximum margin criterion. Journal of Visual Communication and Image Representation, 2016, 38, 11-17.	2.8	7
2335	SAR Target Configuration Recognition Using Tensor Global and Local Discriminant Embedding. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 222-226.	3.1	31
2336	Visual Understanding via Multi-Feature Shared Learning With Global Consistency. IEEE Transactions on Multimedia, 2016, 18, 247-259.	7.2	46
2337	A fast algorithm for manifold learning by posing it as a symmetric diagonally dominant linear system. Applied and Computational Harmonic Analysis, 2016, 40, 622-628.	2.2	8
2338	Joint Low-Rank and Sparse Principal Feature Coding for Enhanced Robust Representation and Visual Classification. IEEE Transactions on Image Processing, 2016, 25, 2429-2443.	9.8	98
2339	Anti-Forensics of Environmental-Signature-Based Audio Splicing Detection and Its Countermeasure via Rich-Features Classification. IEEE Transactions on Information Forensics and Security, 2016, 11, 1603-1617.	6.9	11

#	ARTICLE	IF	CITATIONS
2340	Short-term wind power forecasting using model structure selection and data fusion techniques. International Journal of Electrical Power and Energy Systems, 2016, 83, 79-86.	5.5	16
2341	Comparison of linear and nonlinear dimension reduction techniques for automated process monitoring of a decentralized wastewater treatment facility. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1527-1544.	4.0	30
2342	Recursive locality preserving projection for feature extraction. Soft Computing, 2016, 20, 4099-4109.	3.6	0
2343	An Efficient Algorithm for Microbiome Sample Visualization Based on UniFrac Distance and Laplace Matrix. IEEE Transactions on Nanobioscience, 2016, 15, 390-396.	3.3	0
2344	Local Tangent Space Discriminant Analysis. Neural Processing Letters, 2016, 43, 727-744.	3.2	7
2345	Handling high-dimensional data in air pollution forecasting tasks. Ecological Informatics, 2016, 34, 70-91.	5.2	8
2346	Extreme learning machine via free sparse transfer representation optimization. Memetic Computing, 2016, 8, 85-95.	4.0	7
2347	Deep kernel dimensionality reduction for scalable data integration. International Journal of Approximate Reasoning, 2016, 74, 121-132.	3.3	3
2348	Fast Robust PCA on Graphs. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 740-756.	10.8	78
2349	ELMVIS+: Fast nonlinear visualization technique based on cosine distance and extreme learning machines. Neurocomputing, 2016, 205, 247-263.	5.9	20
2350	Tongue Image Feature Analysis. , 2016, , 117-166.		2
2351	Semi-supervised classification via discriminative sparse manifold regularization. Signal Processing: Image Communication, 2016, 47, 207-217.	3.2	3
2352	Deterministic Column Sampling for Low-Rank Matrix Approximation: Nyström vs. Incomplete Cholesky Decomposition. , 2016, , .		1
2353	DenPEHC: Density peak based efficient hierarchical clustering. Information Sciences, 2016, 373, 200-218.	6.9	97
2354	A New Signal Processing and Feature Extraction Approach for Bearing Fault Diagnosis using AE Sensors. Journal of Failure Analysis and Prevention, 2016, 16, 821-827.	0.9	9
2355	Semi-supervised subspace learning with L2graph. Neurocomputing, 2016, 208, 143-152.	5.9	11
2356	Geodesic-like features for point matching. Neurocomputing, 2016, 218, 401-410.	5.9	0
2358	Recursively global and local discriminant analysis for semi-supervised and unsupervised dimension reduction with image analysis. Neurocomputing, 2016, 216, 672-683.	5.9	3

#	ARTICLE	IF	CITATIONS
2359	Remote sensing image segmentation using local sparse structure constrained latent low rank representation. , 2016, , .		0
2360	A novel mid-level distinctive feature learning for action recognition via diffusion map. Neurocomputing, 2016, 218, 185-196.	5.9	3
2361	Articulatory Gesture Rich Representation Learning of Phonological Units in Low Resource Settings. Lecture Notes in Computer Science, 2016, , 80-95.	1.3	5
2362	Deep semi-supervised learning using Multi-Layered Extreme Learning Machines. , 2016, , .		0
2363	Dual Graph Regularized Dictionary Learning. IEEE Transactions on Signal and Information Processing Over Networks, 2016, 2, 611-624.	2.8	55
2364	Embedding Deep Metric for Person Re-identification: A Study Against Large Variations. Lecture Notes in Computer Science, 2016, , 732-748.	1.3	149
2365	Semisupervised Sparse Manifold Discriminative Analysis for Feature Extraction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6197-6211.	6.3	99
2366	Pairwise comparisons in spectral ranking. Neurocomputing, 2016, 216, 561-569.	5.9	4
2367	Dimensionality Reduction Based on Group-Based Tensor Model for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1497-1501.	3.1	23
2369	Mining Spatial-TemporalgeoMobileData via Feature Distributional Similarity Graph. , 2016, , .		2
2370	Prediction of high-dimensional states subject to respiratory motion: a manifold learning approach. Physics in Medicine and Biology, 2016, 61, 4989-4999.	3.0	4
2371	Collaborative representation discriminant embedding for image classification. Journal of Visual Communication and Image Representation, 2016, 41, 212-224.	2.8	8
2372	Hybrid non-linear dimensionality reduction method framework based on random projections. , 2016, , .		11
2373	Visualization of a Multidimensional Descriptor Space. ACS Symposium Series, 2016, , 243-267.	0.5	8
2374	Machinery fault diagnosis using joint global and local/nonlocal discriminant analysis with selective ensemble learning. Journal of Sound and Vibration, 2016, 382, 340-356.	3.9	21
2375	Symmetry aware embedding for shape correspondence. Computers and Graphics, 2016, 60, 9-22.	2.5	9
2376	Scalable supergraph search in large graph databases. , 2016, , .		11
2377	Improved data visualisation through multiple dissimilarity modelling. Information Sciences, 2016, 370-371, 288-302.	6.9	4

#	ARTICLE	IF	CITATIONS
2378	Process monitoring through manifold regularization-based GMM with global/local information. Journal of Process Control, 2016, 45, 84-99.	3.3	25
2379	Modeling Information Diffusion via Reputation Estimation. Lecture Notes in Computer Science, 2016, , 136-150.	1.3	2
2380	Supervised bilateral two-dimensional locality preserving projection algorithm based on Gabor wavelet. Signal, Image and Video Processing, 2016, 10, 1441-1448.	2.7	11
2381	Optimal reaction coordinates. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2016, 6, 748-763.	14.6	30
2382	Efficient learning of supervised kernels with a graph-based loss function. Information Sciences, 2016, 370-371, 50-62.	6.9	3
2383	LBO-Shape densities: A unified framework for 2D and 3D shape classification on the hypersphere of wavelet densities. Computer Vision and Image Understanding, 2016, 152, 142-154.	4.7	2
2384	Orthogonal least squares regression for feature extraction. Neurocomputing, 2016, 216, 200-207.	5.9	35
2385	TESS3: fast inference of spatial population structure and genome scans for selection. Molecular Ecology Resources, 2016, 16, 540-548.	4.8	216
2386	Manifold denoising based on spectral graph wavelets. , 2016, , .		21
2387	Structural Deep Network Embedding. , 2016, , .		1,725
2388	Investigations into vowel and consonant structures in articulatory and auditory spaces using Laplacian eigenmaps. , 2016, , .		1
2389	Enhancing scattering images for orientation recovery with diffusion map. Optics Express, 2016, 24, 3672.	3.4	2
2390	Flexible constrained sparsity preserving embedding. Pattern Recognition, 2016, 60, 813-823.	8.1	3
2391	Initial study of Schroedinger eigenmaps for spectral target detection. Optical Engineering, 2016, 55, 083101.	1.0	7
2392	Point registration via efficient convex relaxation. ACM Transactions on Graphics, 2016, 35, 1-12.	7.2	90
2393	Supervised Locally Linear Embedding for polarimetric SAR image classification. , 2016, , .		3
2394	Dimensionality reduction of brain imaging data using graph signal processing. , 2016, , .		29
2395	Statistical Language and Speech Processing. Lecture Notes in Computer Science, 2016, , .	1.3	0

#	ARTICLE	IF	CITATIONS
2396	Sparse graph-based inductive learning with its application to image classification. Journal of Electronic Imaging, 2016, 25, 050502.	0.9	1
2397	Kernel-Based Sensor Fusion With Application to Audio-Visual Voice Activity Detection. IEEE Transactions on Signal Processing, 2016, 64, 6406-6416.	5.3	22
2398	Parallel social spider clustering algorithm for high dimensional datasets. Engineering Applications of Artificial Intelligence, 2016, 56, 75-90.	8.1	42
2399	Manifold learning: Dimensionality reduction and high dimensional data reconstruction via dictionary learning. Neurocomputing, 2016, 216, 268-285.	5.9	13
2400	Wind turbines abnormality detection through analysis of wind farm power curves. Measurement: Journal of the International Measurement Confederation, 2016, 93, 178-188.	5.0	28
2401	Extensions to a manifold learning framework for time-series analysis on dynamic manifolds in bioelectric signals. Physical Review E, 2016, 93, 042218.	2.1	23
2402	Progressive match expansion via coherent subspace constraint. Information Sciences, 2016, 367-368, 848-861.	6.9	11
2403	Masking Strategies for Image Manifolds. IEEE Transactions on Image Processing, 2016, 25, 1-1.	9.8	4
2404	Histogram feature deblurring. , 2016, , .		0
2405	Separation Surfaces in the Spectral TV Domain for Texture Decomposition. IEEE Transactions on Image Processing, 2016, 25, 1-1.	9.8	11
2406	Nonlinear reconstruction of single-molecule free-energy surfaces from univariate time series. Physical Review E, 2016, 93, 032412.	2.1	26
2407	Dimensionality reduction for hyperspectral image classification based on multiview graphs ensemble. Journal of Applied Remote Sensing, 2016, 10, 030501.	1.3	11
2408	Data-Driven Reduction for a Class of Multiscale Fast-Slow Stochastic Dynamical Systems. SIAM Journal on Applied Dynamical Systems, 2016, 15, 1327-1351.	1.6	37
2409	Semi-supervised auto-encoder based on manifold learning. , 2016, , .		1
2410	Interactive visualization methodology of high-dimensional data with a color-based model for dimensionality reduction. , 2016, , .		6
2411	Signal Recovery on Graphs: Fundamental Limits of Sampling Strategies. IEEE Transactions on Signal and Information Processing Over Networks, 2016, , 1-1.	2.8	61
2412	Impact of regularization on spectral clustering. Annals of Statistics, 2016, 44, .	2.6	63
2413	Learning a metric for class-conditional KNN. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
2414	Action Unit recognition in still images using graph-based feature selection. , 2016, , .		3
2415	Sparsity divergence index based on locally linear embedding for hyperspectral anomaly detection. Journal of Applied Remote Sensing, 2016, 10, 025026.	1.3	21
2416	Enhanced binary patterns for electrocardiogram (ECG) biometrics. , 2016, , .		4
2417	On comparison of manifold learning techniques for dendritic spine classification. , 2016, , .		4
2418	Manifold Regularized Proximal Support Vector Machine via Generalized Eigenvalue. International Journal of Computational Intelligence Systems, 2016, 9, 1041.	2.7	9
2419	A multi-manifold clustering algorithm for hyperspectral remote sensing imagery. , 2016, , .		6
2420	Principal component analysis - a tutorial. International Journal of Applied Pattern Recognition, 2016, 3, 197.	0.4	138
2421	Accurate Estimation of the Intrinsic Dimension Using Graph Distances: Unraveling the Geometric Complexity of Datasets. Scientific Reports, 2016, 6, 31377.	3.3	31
2422	Hierarchical Coupled-Geometry Analysis for Neuronal Structure and Activity Pattern Discovery. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1238-1253.	10.8	21
2423	Relational Fisher Analysis: A general framework for dimensionality reduction. , 2016, , .		3
2424	Scalable Nearest Neighbor Sparse Graph Approximation by Exploiting Graph Structure. IEEE Transactions on Big Data, 2016, 2, 365-380.	6.1	3
2425	Semi-Supervised Classification by Particle Competition in Complex Networks' Edges. International Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1660006.	1.2	0
2426	Earthquake-explosion discrimination using diffusion maps. Geophysical Journal International, 2016, 207, 1484-1492.	2.4	21
2427	Preserving discriminant manifold subspace learning for plant leaf recognition. , 2016, , .		2
2428	Bayesian manifold regression. Annals of Statistics, 2016, 44, .	2.6	28
2429	Collaborative Sparse Preserving Projections for Feature Extraction. , 2016, , .		0
2430	Synthesized Classifiers for Zero-Shot Learning. , 2016, , .		481
2431	Efficiently computing piecewise flat embeddings for data clustering and image segmentation. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
2432	Learning the Distribution of Data for Embedding. , 2016, , .		0
2433	Subjectively Interesting Component Analysis. , 2016, , .		7
2434	Analog forecasting with dynamics-adapted kernels. Nonlinearity, 2016, 29, 2888-2939.	1.4	48
2435	Discriminative sparsity preserving graph embedding. , 2016, , .		5
2436	Entropy-weighted feature-fusion method for head-pose estimation. Eurasip Journal on Image and Video Processing, 2016, 2016, .	2.6	1
2437	Using superpixels to improve the efficiency of Laplacian Eigenmap based methods for target detection in hyperspectral imagery. , 2016, , .		1
2438	Structured Doubly Stochastic Matrix for Graph Based Clustering. , 2016, , .		29
2439	PATTERN: Pain Assessment for paTients who canâ€™t TELL using Restricted Boltzmann machiNe. BMC Medical Informatics and Decision Making, 2016, 16, 73.	3.0	4
2440	Out-of-label suppression dictionary learning with cluster regularization. , 2016, , .		1
2441	Extraction of spatiotemporal patterns from measured data via nonlinear Laplacian spectral analysis. , 2016, , .		0
2442	On the Incommensurability Phenomenon. Journal of Classification, 2016, 33, 185-209.	2.2	2
2443	Efficient Reordering of Parallel Coordinates and Its Application to Multidimensional Biological Data Visualization. Mathematics and Visualization, 2016, , 309-328.	0.6	4
2444	Computer-Vision-Guided Human Pulse Rate Estimation: A Review. IEEE Reviews in Biomedical Engineering, 2016, 9, 91-105.	18.0	49
2445	Kernel Method for Voice Activity Detection in the Presence of Transients. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 2313-2326.	5.8	17
2446	Hölderâ€™Lipschitz Norms and Their Duals on Spaces with Semigroups, with Applications to Earth Moverâ€™s Distance. Journal of Fourier Analysis and Applications, 2016, 22, 910-953.	1.0	16
2447	Unsupervised manifold alignment using soft-assign technique. Machine Vision and Applications, 2016, 27, 929-942.	2.7	3
2448	Segmentation of tree seedling point clouds into elementary units. International Journal of Remote Sensing, 2016, 37, 2881-2907.	2.9	21
2449	A Convergent Point Integral Method for Isotropic Elliptic Equations on a Point Cloud. Multiscale Modeling and Simulation, 2016, 14, 874-905.	1.6	23

#	ARTICLE	IF	CITATIONS
2450	Fusion of aerial gamma-ray survey and remote sensing data for a deeper understanding of radionuclide fate after radiological incidents: examples from the Fukushima Dai-Ichi response. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2397-2401.	1.5	8
2451	Nonlinear Dimensionality Reduction by Local Orthogonality Preserving Alignment. Journal of Computer Science and Technology, 2016, 31, 512-524.	1.5	0
2452	Manifold-Preserving Common Subspace Factorization for Feature Matching. Journal of the Indian Society of Remote Sensing, 2016, 44, 351-361.	2.4	0
2453	Scalable Algorithms for Data and Network Analysis. Foundations and Trends in Theoretical Computer Science, 2016, 12, 1-274.	0.3	58
2454	Graph construction based on data self-representativeness and Laplacian smoothness. Neurocomputing, 2016, 207, 476-487.	5.9	8
2455	RandNLA. Communications of the ACM, 2016, 59, 80-90.	4.5	119
2456	Complete lattice learning for multivariate mathematical morphology. Journal of Visual Communication and Image Representation, 2016, 35, 220-235.	2.8	18
2457	Collective motion pattern inference via Locally Consistent Latent Dirichlet Allocation. Neurocomputing, 2016, 184, 221-231.	5.9	8
2458	Semi-supervised learning via mean field methods. Neurocomputing, 2016, 177, 385-393.	5.9	24
2459	Nonlinear Laplacian spectral analysis of Rayleigh-Bénard convection. Journal of Computational Physics, 2016, 315, 536-553.	3.8	5
2460	Locality preserving projection twin support vector machine and its application in classification. Journal of Algorithms and Computational Technology, 2016, 10, 65-72.	0.7	4
2461	Identifying Multimodal Intermediate Phenotypes Between Genetic Risk Factors and Disease Status in Alzheimer's Disease. Neuroinformatics, 2016, 14, 439-452.	2.8	26
2462	Extraction and predictability of coherent intraseasonal signals in infrared brightness temperature data. Climate Dynamics, 2016, 46, 1473-1502.	3.8	20
2463	Fuzzy Local Mean Discriminant Analysis for Dimensionality Reduction. Neural Processing Letters, 2016, 44, 701-718.	3.2	4
2464	Schroedinger eigenmaps with knowledge propagation for target detection. , 2016, , .		1
2465	Building robust neighborhoods for manifold learning-based image classification and anomaly detection. Proceedings of SPIE, 2016, , .	0.8	3
2466	CLEAR: Clustering based on locality embedding and reconstruction. , 2016, , .		1
2467	Automatic clustering of code changes. , 2016, , .		26

#	ARTICLE	IF	CITATIONS
2468	Optimized Bi-Objective EEG Channel Selection and Cross-Subject Generalization With Brain-Computer Interfaces. IEEE Transactions on Human-Machine Systems, 2016, 46, 777-786.	3.5	69
2469	Manifold Learning for Multivariate Variable-Length Sequences With an Application to Similarity Search. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1333-1344.	11.3	12
2470	Graph Embedded Extreme Learning Machine. IEEE Transactions on Cybernetics, 2016, 46, 311-324.	9.5	86
2471	Embedded Manifold-Based Kernel Fisher Discriminant Analysis for Face Recognition. Neural Processing Letters, 2016, 43, 1-16.	3.2	42
2472	Descriptive document clustering via discriminant learning in a co-embedded space of multilevel similarities. Journal of the Association for Information Science and Technology, 2016, 67, 106-133.	2.9	16
2473	On Two Continuum Armed Bandit Problems in High Dimensions. Theory of Computing Systems, 2016, 58, 191-222.	1.1	1
2474	Toward automated discovery of artistic influence. Multimedia Tools and Applications, 2016, 75, 3565-3591.	3.9	46
2475	Sparsity preserving discriminative learning with applications to face recognition. Journal of Electronic Imaging, 2016, 25, 013005.	0.9	5
2476	A Multi-kernel Joint Sparse Graph for SAR Image Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1265-1285.	4.9	31
2477	Automatic Image Registration of Multimodal Remotely Sensed Data With Global Shearlet Features. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1685-1704.	6.3	63
2478	Can the Virtual Labels Obtained by Traditional LP Approaches Be Well Encoded in WLR?. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1591-1598.	11.3	18
2479	Discriminant structure embedding for image recognition. Neurocomputing, 2016, 174, 850-857.	5.9	11
2480	Cross-validation of matching correlation analysis by resampling matching weights. Neural Networks, 2016, 75, 126-140.	5.9	5
2481	Similarity, kernels, and the fundamental constraints on cognition. Journal of Mathematical Psychology, 2016, 70, 21-34.	1.8	5
2482	Clustering using PK-D: A connectivity and density dissimilarity. Expert Systems With Applications, 2016, 51, 151-160.	7.6	7
2483	A continuous linear optimal transport approach for pattern analysis in image datasets. Pattern Recognition, 2016, 51, 453-462.	8.1	29
2484	Data heterogeneity consideration in semi-supervised learning. Expert Systems With Applications, 2016, 45, 234-247.	7.6	7
2485	Intrinsic dimension estimation: Advances and open problems. Information Sciences, 2016, 328, 26-41.	6.9	102

#	ARTICLE	IF	CITATIONS
2486	Locality sensitive batch feature extraction for high-dimensional data. Neurocomputing, 2016, 171, 664-672.	5.9	9
2487	Orthogonal enhanced linear discriminant analysis for face recognition. IET Biometrics, 2016, 5, 100-110.	2.5	2
2488	Face recognition method based on HOG and DMMA from single training sample. Multimedia Tools and Applications, 2016, 75, 13163-13177.	3.9	7
2489	General Protein Data Bank-Based Collective Variables for Protein Folding. Journal of Chemical Theory and Computation, 2016, 12, 29-35.	5.3	6
2490	Scalable High-Performance Image Registration Framework by Unsupervised Deep Feature Representations Learning. IEEE Transactions on Biomedical Engineering, 2016, 63, 1505-1516.	4.2	212
2491	A novel process monitoring and fault detection approach based on statistics locality preserving projections. Journal of Process Control, 2016, 37, 46-57.	3.3	49
2492	Chatter detection in turning using persistent homology. Mechanical Systems and Signal Processing, 2016, 70-71, 527-541.	8.0	90
2493	Face Recognition Using A Low Rank Representation Based Projections Method. Neural Processing Letters, 2016, 43, 823-835.	3.2	2
2494	On the convergence of nanotechnology and Big Data analysis for computer-aided diagnosis. Nanomedicine, 2016, 11, 959-982.	3.3	22
2495	Low-Rank Matrix Factorization With Adaptive Graph Regularizer. IEEE Transactions on Image Processing, 2016, 25, 2196-2205.	9.8	17
2496	Semi-supervised learning using ensembles of multiple 1D-embedding-based label boosting. International Journal of Wavelets, Multiresolution and Information Processing, 2016, 14, 1640001.	1.3	8
2497	Spatial Regularized Local Manifold Learning for Classification of Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 609-624.	4.9	20
2498	Learning from patches by efficient spectral decomposition of a structured kernel. Machine Learning, 2016, 103, 81-102.	5.4	1
2499	Sparse Inverse Covariance Estimation with L_0 Penalty for Network Construction with Omics Data. Journal of Computational Biology, 2016, 23, 192-202.	1.6	11
2500	Semi-supervised learning using multiple one-dimensional embedding based adaptive interpolation. International Journal of Wavelets, Multiresolution and Information Processing, 2016, 14, 1640002.	1.3	9
2501	Wafer Map Defect Detection and Recognition Using Joint Local and Nonlocal Linear Discriminant Analysis. IEEE Transactions on Semiconductor Manufacturing, 2016, 29, 33-43.	1.7	129
2502	Data visualization via latent variables and mixture models: a brief survey. Pattern Analysis and Applications, 2016, 19, 807-819.	4.6	2
2503	Out-of-Sample Generalizations for Supervised Manifold Learning for Classification. IEEE Transactions on Image Processing, 2016, 25, 1410-1424.	9.8	27

#	ARTICLE	IF	CITATIONS
2504	Dimension reduction using collaborative representation reconstruction based projections. Neurocomputing, 2016, 193, 1-6.	5.9	19
2505	L1-norm and maximum margin criterion based discriminant locality preserving projections via trace Lasso. Pattern Recognition, 2016, 55, 207-214.	8.1	21
2506	Testing the manifold hypothesis. Journal of the American Mathematical Society, 2016, 29, 983-1049.	3.9	164
2507	Multi-label classification via learning a unified object-label graph with sparse representation. World Wide Web, 2016, 19, 1125-1149.	4.0	6
2508	Effective face recognition using bag of features with additive kernels. Journal of Electronic Imaging, 2016, 25, 013025.	0.9	10
2509	ROML: A Robust Feature Correspondence Approach for Matching Objects in A Set of Images. International Journal of Computer Vision, 2016, 117, 173-197.	15.6	18
2510	Geometry-Aware Neighborhood Search for Learning Local Models for Image Superresolution. IEEE Transactions on Image Processing, 2016, 25, 1354-1367.	9.8	5
2511	Related and independent variable fault detection based on KPCA and SVDD. Journal of Process Control, 2016, 39, 88-99.	3.3	64
2512	Learning Hardware-Friendly Classifiers Through Algorithmic Stability. Transactions on Embedded Computing Systems, 2016, 15, 1-29.	2.9	3
2513	Applied Matrix and Tensor Variate Data Analysis. SpringerBriefs in Statistics, 2016, , .	0.4	3
2514	Local structure based multi-phase collaborative representation for face recognition with single sample per person. Information Sciences, 2016, 346-347, 198-215.	6.9	13
2515	Face recognition using discriminative locality preserving vectors. , 2016, 50, 103-113.		11
2516	Label propagation based on collaborative representation for face recognition. Neurocomputing, 2016, 171, 1193-1204.	5.9	14
2517	Unsupervised Word Segmentation and Lexicon Discovery Using Acoustic Word Embeddings. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 669-679.	5.8	44
2518	How are they different? A quantitative domain comparison of information visualization and data visualization (2000â€“2014). Scientometrics, 2016, 107, 123-165.	3.0	37
2519	Machine Learning in Complex Networks. , 2016, , .		62
2520	Network Construction Techniques. , 2016, , 93-132.		2
2521	Cluster-Based Outlier Detection Using Unsupervised Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2016, , 135-146.	1.6	3

#	ARTICLE	IF	CITATIONS
2522	Extreme learning machine for out-of-sample extension in Laplacian eigenmaps. Pattern Recognition Letters, 2016, 74, 68-73.	4.2	9
2523	KELMC: An Improved K-Means Clustering Method Using Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2016, , 273-283.	1.6	1
2524	New insights into the suitability of the third dimension for visualizing multivariate/multidimensional data: A study based on loss of quality quantification. Information Visualization, 2016, 15, 3-30.	1.9	28
2525	A nonlinear manifold-based reduced order model for multiscale analysis of heterogeneous hyperelastic materials. Journal of Computational Physics, 2016, 313, 635-653.	3.8	58
2526	Parameterless reconstructive discriminant analysis for feature extraction. Neurocomputing, 2016, 190, 50-59.	5.9	67
2527	Integrated dimensionality reduction technique for mixed-type data involving categorical values. Applied Soft Computing Journal, 2016, 43, 199-209.	7.2	12
2528	Optimal feature extraction methods for classification methods and their applications to biometric recognition. Knowledge-Based Systems, 2016, 99, 112-122.	7.1	11
2529	An Improved Approach to Crowd Event Detection by Reducing Data Dimensions. Advances in Intelligent Systems and Computing, 2016, , 85-96.	0.6	1
2530	Video-based face recognition and image synthesis from rotating head frames using nonlinear manifold learning by neural networks. Neural Computing and Applications, 2016, 27, 1761-1769.	5.6	7
2531	Graph Maximum Margin Criterion for Face Recognition. Neural Processing Letters, 2016, 44, 387-405.	3.2	6
2532	An Efficient High-Dimensional Big Data Storage Structure Based on US-ELM. Proceedings in Adaptation, Learning and Optimization, 2016, , 489-500.	1.6	0
2533	Biometric cryptosystems: A new biometric key binding and its implementation for fingerprint minutiae-based representation. Pattern Recognition, 2016, 56, 50-62.	8.1	78
2534	Process monitoring via enhanced neighborhood preserving embedding. Control Engineering Practice, 2016, 50, 48-56.	5.5	39
2535	Learning of Multimodal Representations With Random Walks on the Click Graph. IEEE Transactions on Image Processing, 2016, 25, 630-642.	9.8	34
2536	Tutorial on practical tips of the most influential data preprocessing algorithms in data mining. Knowledge-Based Systems, 2016, 98, 1-29.	7.1	204
2537	Immersive visualization of visual data using nonnegative matrix factorization. Neurocomputing, 2016, 173, 245-255.	5.9	10
2538	Kernel learning over the manifold of symmetric positive definite matrices for dimensionality reduction in a BCI application. Neurocomputing, 2016, 179, 152-160.	5.9	23
2539	The Distance-Based Representative Skyline Calculation Using Unsupervised Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2016, , 107-119.	1.6	1

#	ARTICLE	IF	CITATIONS
2540	Hybrid local diffusion maps and improved cuckoo search algorithm for multiclass dataset analysis. Neurocomputing, 2016, 189, 106-116.	5.9	19
2541	A Semi-supervised Low Rank Kernel Learning Algorithm via Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2016, , 279-292.	1.6	1
2542	Local manifold distance based on neighborhood graph reordering. Pattern Recognition, 2016, 53, 195-211.	8.1	8
2543	Measure-based diffusion grid construction and high-dimensional data discretization. Applied and Computational Harmonic Analysis, 2016, 40, 207-228.	2.2	3
2544	Image quantization as a dimensionality reduction procedure in color and texture feature extraction. Neurocomputing, 2016, 173, 385-396.	5.9	48
2545	Learning representations from multiple manifolds. Pattern Recognition, 2016, 50, 74-87.	8.1	20
2546	Local voting based multi-view embedding. Neurocomputing, 2016, 171, 901-909.	5.9	8
2547	Periocular authentication based on FEM using Laplace's Beltrami eigenvalues. Pattern Recognition, 2016, 50, 178-194.	8.1	7
2548	Dense Segmentation-Aware Descriptors. , 2016, , 83-107.		0
2549	An instance selection method for large datasets based on Markov Geometric Diffusion. Data and Knowledge Engineering, 2016, 101, 24-41.	3.4	14
2550	Shape component analysis: structure-preserving dimension reduction on biological shape spaces. Bioinformatics, 2016, 32, 755-763.	4.1	15
2551	Manifold learning in local tangent space via extreme learning machine. Neurocomputing, 2016, 174, 18-30.	5.9	20
2552	On some variants of locality preserving projection. Neurocomputing, 2016, 173, 196-211.	5.9	31
2553	Orthogonal component analysis: A fast dimensionality reduction algorithm. Neurocomputing, 2016, 177, 136-146.	5.9	6
2554	Manifold Regression Framework for Characterizing Source Zone Architecture. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3-17.	6.3	6
2555	Nonlinear Dimensionality Reduction via Path-Based Isometric Mapping. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1452-1464.	13.9	25
2556	Dense Image Correspondences for Computer Vision. , 2016, , .		9
2557	Variations and extension of the convex-concave procedure. Optimization and Engineering, 2016, 17, 263-287.	2.4	481

#	ARTICLE	IF	CITATIONS
2558	Pairwise Constraint-Guided Sparse Learning for Feature Selection. IEEE Transactions on Cybernetics, 2016, 46, 298-310.	9.5	75
2559	Intrinsic Scene Properties from a Single RGB-D Image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 690-703.	13.9	21
2560	Laplacian Regularized Low-Rank Representation and Its Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 504-517.	13.9	339
2561	Fault Diagnosis Method of Joint Fisher Discriminant Analysis Based on the Local and Global Manifold Learning and Its Kernel Version. IEEE Transactions on Automation Science and Engineering, 2016, 13, 122-133.	5.2	61
2562	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.	4.9	48
2563	Local kernels and the geometric structure of data. Applied and Computational Harmonic Analysis, 2016, 40, 439-469.	2.2	55
2564	Local Feature Selection for Data Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1217-1227.	13.9	81
2565	A unified multi-label classification framework with supervised low-dimensional embedding. Neurocomputing, 2016, 171, 1563-1575.	5.9	5
2566	A novel sparse coding algorithm for classification of tumors based on gene expression data. Medical and Biological Engineering and Computing, 2016, 54, 869-876.	2.8	22
2567	Learning Flexible Graph-Based Semi-Supervised Embedding. IEEE Transactions on Cybernetics, 2016, 46, 206-218.	9.5	81
2568	Matched signal detection on graphs: Theory and application to brain imaging data classification. NeuroImage, 2016, 125, 587-600.	4.2	34
2569	A novel dimensionality reduction method with discriminative generalized eigen-decomposition. Neurocomputing, 2016, 173, 163-171.	5.9	6
2570	Spectral and Spatial Proximity-Based Manifold Alignment for Multitemporal Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 51-64.	6.3	64
2571	A novel adaptive cuckoo search algorithm for intrinsic discriminant analysis based face recognition. Applied Soft Computing Journal, 2016, 38, 661-675.	7.2	115
2572	Local and global regularized sparse coding for data representation. Neurocomputing, 2016, 175, 188-197.	5.9	13
2573	A regularized least square based discriminative projections for feature extraction. Neurocomputing, 2016, 175, 198-205.	5.9	90
2574	Recursive Dimension Reduction for semisupervised learning. Neurocomputing, 2016, 171, 1629-1636.	5.9	1
2575	An online generalized eigenvalue version of Laplacian Eigenmaps for visual big data. Neurocomputing, 2016, 173, 127-136.	5.9	25

#	ARTICLE	IF	CITATIONS
2576	A Novel Framework for Learning Geometry-Aware Kernels. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 939-951.	11.3	21
2577	Visualizing and Interacting with Kernelized Data. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 1314-1325.	4.4	12
2578	Feature Importance in Nonlinear Embeddings (FINE): Applications in Digital Pathology. IEEE Transactions on Medical Imaging, 2016, 35, 76-88.	8.9	24
2579	An iterative learning algorithm for feedforward neural networks with random weights. Information Sciences, 2016, 328, 546-557.	6.9	36
2580	A filtering technique for Markov chains with applications to spectral embedding. Applied and Computational Harmonic Analysis, 2016, 40, 575-587.	2.2	7
2581	Graph-induced restricted Boltzmann machines for document modeling. Information Sciences, 2016, 328, 60-75.	6.9	6
2582	Low-Rank Preserving Projections. IEEE Transactions on Cybernetics, 2016, 46, 1900-1913.	9.5	131
2583	On incremental semi-supervised discriminant analysis. Pattern Recognition, 2016, 52, 135-147.	8.1	17
2584	Sparse discriminative multi-manifold embedding for one-sample face identification. Pattern Recognition, 2016, 52, 249-259.	8.1	65
2585	Orthogonal margin discriminant projection for dimensionality reduction. Journal of Supercomputing, 2016, 72, 2095-2110.	3.6	6
2586	Graph Regularized Sparsity Discriminant Analysis for face recognition. Neurocomputing, 2016, 173, 290-297.	5.9	33
2587	Facial expression recognition using sparse local Fisher discriminant analysis. Neurocomputing, 2016, 174, 756-766.	5.9	54
2588	Semisupervised Support Vector Machines With Tangent Space Intrinsic Manifold Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1827-1839.	11.3	20
2589	Approximate Orthogonal Sparse Embedding for Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 723-735.	11.3	150
2590	Robust graph learning via constrained elastic-net regularization. Neurocomputing, 2016, 171, 299-312.	5.9	6
2591	A new deep neural network based on a stack of single-hidden-layer feedforward neural networks with randomly fixed hidden neurons. Neurocomputing, 2016, 171, 63-72.	5.9	26
2592	Linear dimensionality reduction based on Hybrid structure preserving projections. Neurocomputing, 2016, 173, 518-529.	5.9	24
2593	One Shot Detection with κ -Laplacian Object and Fast Matrix Cosine Similarity. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 546-562.	13.9	33

#	ARTICLE	IF	CITATIONS
2594	Variable bandwidth diffusion kernels. <i>Applied and Computational Harmonic Analysis</i> , 2016, 40, 68-96.	2.2	101
2595	s-CorrPlot: An Interactive Scatterplot for Exploring Correlation. <i>Journal of Computational and Graphical Statistics</i> , 2016, 25, 445-463.	1.7	39
2596	3D face recognition in the Fourier domain using deformed circular curves. <i>Multidimensional Systems and Signal Processing</i> , 2017, 28, 105-127.	2.6	4
2597	Video-Based Human Walking Estimation Using Joint Gait and Pose Manifolds. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017, 27, 1540-1554.	8.3	14
2598	Mean Laplacian mappings-based difference LDA for face recognition. <i>Multimedia Tools and Applications</i> , 2017, 76, 2243-2265.	3.9	1
2599	Discriminant sparse locality preserving projection for face recognition. <i>Multimedia Tools and Applications</i> , 2017, 76, 2697-2712.	3.9	6
2600	HRM graph constrained dictionary learning for face image super-resolution. <i>Multimedia Tools and Applications</i> , 2017, 76, 3139-3162.	3.9	2
2601	Adaptive semi-supervised dimensionality reduction based on pairwise constraints weighting and graph optimizing. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 793-805.	3.6	12
2602	Laplacian multiset canonical correlations for multiview feature extraction and image recognition. <i>Multimedia Tools and Applications</i> , 2017, 76, 731-755.	3.9	26
2603	Multiple thresholding and subspace based approach for detection and recognition of traffic sign. <i>Multimedia Tools and Applications</i> , 2017, 76, 6973-6991.	3.9	28
2604	On Deep Learning for Trust-Aware Recommendations in Social Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 1164-1177.	11.3	218
2605	Semi-supervised Bayesian adaptive multiresolution shrinkage for wavelet-based denoising. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2017, 46, 4399-4418.	1.2	1
2606	Manifold-Based Reinforcement Learning via Locally Linear Reconstruction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 934-947.	11.3	38
2607	Learning in high-dimensional multimedia data: the state of the art. <i>Multimedia Systems</i> , 2017, 23, 303-313.	4.7	81
2608	A Semi-Supervised Method for Surveillance-Based Visual Location Recognition. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 3719-3732.	9.5	13
2609	Semi-supervised image classification via nonnegative least-squares regression. <i>Multimedia Systems</i> , 2017, 23, 725-738.	4.7	2
2610	Swallow: Resource and Tag Recommender System Based on Heat Diffusion Algorithm in Social Annotation Systems. <i>Computational Intelligence</i> , 2017, 33, 99-118.	3.2	7
2611	Marginal patch alignment for dimensionality reduction. <i>Soft Computing</i> , 2017, 21, 2347-2356.	3.6	5

#	ARTICLE	IF	CITATIONS
2612	İ...Support vector machine based on discriminant sparse neighborhood preserving embedding. Pattern Analysis and Applications, 2017, 20, 1077-1089.	4.6	5
2613	A discriminant sparse representation graph-based semi-supervised learning for hyperspectral image classification. Multimedia Tools and Applications, 2017, 76, 10959-10971.	3.9	9
2614	Fractional-Order Embedding Supervised Canonical Correlations Analysis with Applications to Feature Extraction and Recognition. Neural Processing Letters, 2017, 45, 279-297.	3.2	3
2615	iMap4: An open source toolbox for the statistical fixation mapping of eye movement data with linear mixed modeling. Behavior Research Methods, 2017, 49, 559-575.	4.0	50
2616	Local graph embedding based on maximum margin criterion via fuzzy set. Fuzzy Sets and Systems, 2017, 318, 120-131.	2.7	54
2617	Two-dimensional discriminant locality preserving projections (2DDLPP) and its application to feature extraction via fuzzy set. Multimedia Tools and Applications, 2017, 76, 355-371.	3.9	33
2618	Two-Dimensional Discriminant Locality Preserving Projection Based on ℓ_1 -norm Maximization. Pattern Recognition Letters, 2017, 87, 147-154.	4.2	11
2619	Feature Selection Based on Structured Sparsity: A Comprehensive Study. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1490-1507.	11.3	239
2620	Collaborative representation analysis methods for feature extraction. Neural Computing and Applications, 2017, 28, 225-231.	5.6	6
2621	Unsupervised extreme learning machine and support vector regression hybrid model for predicting energy commodity futures index. Memetic Computing, 2017, 9, 333-346.	4.0	20
2622	A clustered locally linear approach on face manifolds for pose estimation. Pattern Analysis and Applications, 2017, 20, 1169-1178.	4.6	4
2623	Cross-Domain Recognition by Identifying Joint Subspaces of Source Domain and Target Domain. IEEE Transactions on Cybernetics, 2017, 47, 1090-1101.	9.5	25
2624	Rotational Invariant Dimensionality Reduction Algorithms. IEEE Transactions on Cybernetics, 2017, 47, 3733-3746.	9.5	89
2625	Accurate and Efficient Computation of Laplacian Spectral Distances and Kernels. Computer Graphics Forum, 2017, 36, 184-196.	3.0	9
2627	Learning to Hash With Optimized Anchor Embedding for Scalable Retrieval. IEEE Transactions on Image Processing, 2017, 26, 1344-1354.	9.8	88
2628	Webcam-based, non-contact, real-time measurement for the physiological parameters of drivers. Measurement: Journal of the International Measurement Confederation, 2017, 100, 311-321.	5.0	50
2629	On the effect of hyperedge weights on hypergraph learning. Image and Vision Computing, 2017, 57, 89-101.	4.5	20
2630	Semi-supervised manifold alignment with few correspondences. Neurocomputing, 2017, 230, 322-331.	5.9	8

#	ARTICLE	IF	CITATIONS
2631	Learning MRI-based classification models for MGMT methylation status prediction in glioblastoma. Computer Methods and Programs in Biomedicine, 2017, 140, 249-257.	4.7	75
2632	Regularized max-min linear discriminant analysis. Pattern Recognition, 2017, 66, 353-363.	8.1	24
2633	The pre-image problem for Laplacian Eigenmaps utilizing L_1 regularization with applications to data fusion. Inverse Problems, 2017, 33, 074006.	2.0	9
2634	Manifold-ranking embedded order preserving hashing for image semantic retrieval. Journal of Visual Communication and Image Representation, 2017, 44, 29-39.	2.8	15
2635	Graph regularized multilayer concept factorization for data representation. Neurocomputing, 2017, 238, 139-151.	5.9	28
2636	Forward Selection Component Analysis: Algorithms and Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 2395-2408.	13.9	29
2637	Business failure prediction based on two-stage selective ensemble with manifold learning algorithm and kernel-based fuzzy self-organizing map. Knowledge-Based Systems, 2017, 121, 99-110.	7.1	45
2638	Robust Neighborhood Preserving Projection by Nuclear/ $L_{2,1}$ -Norm Regularization for Image Feature Extraction. IEEE Transactions on Image Processing, 2017, 26, 1607-1622.	9.8	132
2639	Superpixel-Based Multitask Learning Framework for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2575-2588.	6.3	45
2640	Modified unsupervised discriminant projection with an electronic nose for the rapid determination of Chinese mitten crab freshness. Analytical Methods, 2017, 9, 1806-1815.	2.7	16
2641	Double sparsity for multi-frame super resolution. Neurocomputing, 2017, 240, 115-126.	5.9	16
2642	On biometric systems: electrocardiogram Gaussianity and data synthesis. Eurasip Journal on Bioinformatics and Systems Biology, 2017, 2017, 5.	1.4	6
2643	Regularization of neural network model with distance metric learning for i-vector based spoken language identification. Computer Speech and Language, 2017, 44, 48-60.	4.3	13
2644	HB-File: An efficient and effective high-dimensional big data storage structure based on US-ELM. Neurocomputing, 2017, 261, 184-192.	5.9	5
2645	Automatic transfer learning for short text mining. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	12
2646	Spectral-spatial classification of hyperspectral image based on discriminant sparsity preserving embedding. Neurocomputing, 2017, 243, 133-141.	5.9	4
2647	Semi-supervised classification in stratified spaces by considering non-interior points using Laplacian behavior. Neurocomputing, 2017, 239, 223-231.	5.9	3
2648	Supervised sparse neighbourhood preserving embedding. IET Image Processing, 2017, 11, 190-199.	2.5	6

#	ARTICLE	IF	CITATIONS
2649	Laplacian eigenmaps for multimodal groupwise image registration. , 2017, , .		3
2650	A New Evolving Tree-Based Model with Local Re-learning for Document Clustering and Visualization. Neural Processing Letters, 2017, 46, 379-409.	3.2	6
2651	Modified Locally Linear Embedding with Affine Transformation. The National Academy of Sciences, India, 2017, 40, 189-196.	1.3	2
2652	Automatic defect detection based on segmentation of pulsed thermographic images. Chemometrics and Intelligent Laboratory Systems, 2017, 162, 35-43.	3.5	19
2653	Clustering of 770,000 genomes reveals post-colonial population structure of North America. Nature Communications, 2017, 8, 14238.	12.8	99
2654	Transactions on Edutainment XIII. Lecture Notes in Computer Science, 2017, , .	1.3	1
2655	Semi-Supervised Learning for Indoor Hybrid Fingerprint Database Calibration With Low Effort. IEEE Access, 2017, 5, 4388-4400.	4.2	41
2656	Community detection for emerging social networks. World Wide Web, 2017, 20, 1409-1441.	4.0	15
2657	Nonlinear dimensionality reduction methods for synthetic biology biobricks™ visualization. BMC Bioinformatics, 2017, 18, 47.	2.6	5
2658	Manifold matching using shortest-path distance and joint neighborhood selection. Pattern Recognition Letters, 2017, 92, 41-48.	4.2	9
2659	Semi-Supervised Network Embedding. Lecture Notes in Computer Science, 2017, , 131-147.	1.3	17
2660	A spectral-spatial method based on low-rank and sparse matrix decomposition for hyperspectral anomaly detection. International Journal of Remote Sensing, 2017, 38, 4047-4068.	2.9	24
2661	Laplacian manifold regularization method for fluorescence molecular tomography. Journal of Biomedical Optics, 2017, 22, 045009.	2.6	18
2662	Kernel Analog Forecasting of Tropical Intraseasonal Oscillations. Journals of the Atmospheric Sciences, 2017, 74, 1321-1342.	1.7	17
2663	Intelligent User Interfaces for Social Music Discovery and Exploration of Large-scale Music Repositories. , 2017, , .		5
2664	EHR-based phenotyping: Bulk learning and evaluation. Journal of Biomedical Informatics, 2017, 70, 35-51.	4.3	28
2665	A Sparse and Low-Rank Near-Isometric Linear Embedding Method for Feature Extraction in Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4032-4046.	6.3	81
2666	Nuclear Norm-Based 2DLPP for Image Classification. IEEE Transactions on Multimedia, 2017, 19, 2391-2403.	7.2	26

#	ARTICLE	IF	CITATIONS
2667	Decadal Prediction of Temperature: Achievements and Future Prospects. Current Climate Change Reports, 2017, 3, 99-111.	8.6	4
2668	Cross-Label Suppression: A Discriminative and Fast Dictionary Learning With Group Regularization. IEEE Transactions on Image Processing, 2017, 26, 3859-3873.	9.8	22
2669	Extraction and prediction of indices for monsoon intraseasonal oscillations: an approach based on nonlinear Laplacian spectral analysis. Climate Dynamics, 2017, 49, 3031-3050.	3.8	16
2670	Sparse locality preserving discriminative projections for face recognition. Neurocomputing, 2017, 260, 321-330.	5.9	27
2671	Sparsity-Driven Laplacian-Regularized Outlier Identification for Dictionary Learning. IEEE Transactions on Signal Processing, 2017, 65, 3803-3817.	5.3	8
2672	Piecewise flat embeddings for hyperspectral image analysis. , 2017, , .		0
2673	A spectral clustering based method for hyperspectral urban image. , 2017, , .		8
2674	Sparse discriminant manifold projections for bearing fault diagnosis. Journal of Sound and Vibration, 2017, 399, 330-344.	3.9	29
2675	A critical comparison of Lagrangian methods for coherent structure detection. Chaos, 2017, 27, 053104.	2.5	142
2676	Graph-based predictable feature analysis. Machine Learning, 2017, 106, 1359-1380.	5.4	10
2677	Improved Detection of Correlated Signals in Low-Rank-Plus-Noise Type Data Sets Using Informative Canonical Correlation Analysis (ICCA). IEEE Transactions on Information Theory, 2017, 63, 3451-3467.	2.4	12
2678	Hyperspectral anomaly detection based on spectral-spatial background joint sparse representation. European Journal of Remote Sensing, 2017, 50, 362-376.	3.5	10
2679	Data Visualization Using Interactive Dimensionality Reduction and Improved Color-Based Interaction Model. Lecture Notes in Computer Science, 2017, , 289-298.	1.3	8
2680	A Tale of Two Bases: Local-Nonlocal Regularization on Image Patches with Convolution Framelets. SIAM Journal on Imaging Sciences, 2017, 10, 711-750.	2.2	39
2681	When Slepian Meets Fiedler: Putting a Focus on the Graph Spectrum. IEEE Signal Processing Letters, 2017, 24, 1001-1004.	3.6	23
2682	Learning Efficient Binary Codes From High-Level Feature Representations for Multilabel Image Retrieval. IEEE Transactions on Multimedia, 2017, 19, 2545-2560.	7.2	30
2683	Multi-task clustering through instances transfer. Neurocomputing, 2017, 251, 145-155.	5.9	23
2684	Multi-Manifold Locality Graph Embedding Based on the Maximum Margin Criterion (MLGE/MMC) for Face Recognition. IEEE Access, 2017, 5, 9823-9830.	4.2	8

#	ARTICLE	IF	CITATIONS
2685	Multiple Laplacian graph regularised low-rank representation with application to image representation. IET Image Processing, 2017, 11, 370-378.	2.5	8
2686	Multi-view Manifold Learning for Media Interestingness Prediction. , 2017, , .		10
2687	Metric Learning for Facial Kinship Verification. SpringerBriefs in Computer Science, 2017, , 37-62.	0.2	1
2688	Parameter-less Auto-weighted multiple graph regularized Nonnegative Matrix Factorization for data representation. Knowledge-Based Systems, 2017, 131, 105-112.	7.1	25
2689	Point Integral Method for Solving Poisson-Type Equations on Manifolds from Point Clouds with Convergence Guarantees. Communications in Computational Physics, 2017, 22, 228-258.	1.7	26
2690	Self-regularized fixed-rank representation for subspace segmentation. Information Sciences, 2017, 412-413, 194-209.	6.9	9
2691	Multimodal Kernel Method for Activity Detection of Sound Sources. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1322-1334.	5.8	7
2692	Self-Learning Control Using Dual Heuristic Programming with Global Laplacian Eigenmaps. IEEE Transactions on Industrial Electronics, 2017, 64, 9517-9526.	7.9	12
2693	Manifold Preserving: An Intrinsic Approach for Semisupervised Distance Metric Learning. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-12.	11.3	29
2694	Image recognition method based on supervised multi-manifold learning. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2221-2232.	1.4	4
2696	UHCSDb: UltraHigh Carbon Steel Micrograph DataBase. Integrating Materials and Manufacturing Innovation, 2017, 6, 197-205.	2.6	48
2698	Spectral echolocation via the wave embedding. Applied and Computational Harmonic Analysis, 2017, 43, 577-590.	2.2	0
2699	Adaptive background model registration for moving cameras. Pattern Recognition Letters, 2017, 96, 86-95.	4.2	12
2700	Multi-View Unsupervised Feature Selection with Adaptive Similarity and View Weight. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1998-2011.	5.7	127
2701	Fault identification method for planetary gear based on DT-CWT threshold denoising and LE. Journal of Mechanical Science and Technology, 2017, 31, 1035-1047.	1.5	21
2702	Locality constrained Graph Optimization for Dimensionality Reduction. Neurocomputing, 2017, 245, 55-67.	5.9	24
2703	Unsupervised 2D Dimensionality Reduction with Adaptive Structure Learning. Neural Computation, 2017, 29, 1352-1374.	2.2	18
2704	LRA: Local Rigid Averaging of Stretchable Non-rigid Shapes. International Journal of Computer Vision, 2017, 124, 132-144.	15.6	1

#	ARTICLE	IF	CITATIONS
2705	Object-Based Visual Saliency via Laplacian Regularized Kernel Regression. IEEE Transactions on Multimedia, 2017, 19, 1718-1729.	7.2	14
2706	The Seasonality and Interannual Variability of Arctic Sea Ice Reemergence. Journal of Climate, 2017, 30, 4657-4676.	3.2	19
2707	Indo-Pacific Variability on Seasonal to Multidecadal Time Scales. Part I: Intrinsic SST Modes in Models and Observations. Journal of Climate, 2017, 30, 5265-5294.	3.2	18
2708	PPNE: Property Preserving Network Embedding. Lecture Notes in Computer Science, 2017, , 163-179.	1.3	41
2709	Iterative Multiplicative Filters for Data Labeling. International Journal of Computer Vision, 2017, 123, 435-453.	15.6	15
2710	Fast Estimation of Approximate Matrix Ranks Using Spectral Densities. Neural Computation, 2017, 29, 1317-1351.	2.2	12
2712	Fusion of Graph Embedding and Sparse Representation for Feature Extraction and Classification of Hyperspectral Imagery. Photogrammetric Engineering and Remote Sensing, 2017, 83, 37-46.	0.6	15
2713	Sparse Grassmannian Embeddings for Hyperspectral Data Representation and Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 434-438.	3.1	8
2714	Robust Locality Preserving Projections With Cosine-Based Dissimilarity for Linear Dimensionality Reduction. IEEE Access, 2017, 5, 2676-2684.	4.2	16
2715	Joint detection and clinical score prediction in Parkinson's disease via multi-modal sparse learning. Expert Systems With Applications, 2017, 80, 284-296.	7.6	37
2716	A wavelet-based classification of hyperspectral images using Schroedinger eigenmaps. International Journal of Remote Sensing, 2017, 38, 3608-3634.	2.9	6
2717	Multilinear Spatial Discriminant Analysis for Dimensionality Reduction. IEEE Transactions on Image Processing, 2017, 26, 2669-2681.	9.8	26
2718	Semi-supervised learning through adaptive Laplacian graph trimming. Image and Vision Computing, 2017, 60, 38-47.	4.5	6
2719	Local and Global Gestalt Laws: A Neurally Based Spectral Approach. Neural Computation, 2017, 29, 394-422.	2.2	6
2720	Laplacian Eigenmaps From Sparse, Noisy Similarity Measurements. IEEE Transactions on Signal Processing, 2017, 65, 1988-2003.	5.3	8
2721	Multi-level fusion of graph based discriminant analysis for hyperspectral image classification. Multimedia Tools and Applications, 2017, 76, 22959-22977.	3.9	2
2722	Compressive PCA for Low-Rank Matrices on Graphs. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 695-710.	2.8	3
2723	Projective label propagation by label embedding: A deep label prediction framework for representation and classification. Knowledge-Based Systems, 2017, 119, 94-112.	7.1	8

#	ARTICLE	IF	CITATIONS
2724	A hybrid fault diagnosis approach based on mixed-domain state features for rotating machinery. ISA Transactions, 2017, 66, 284-295.	5.7	74
2725	Computation of heterogeneous object co-embeddings from relational measurements. Pattern Recognition, 2017, 65, 146-163.	8.1	11
2726	Generalized extreme learning machine autoencoder and a new deep neural network. Neurocomputing, 2017, 230, 374-381.	5.9	126
2727	Laplacian total margin support vector machine based on within-class scatter. Knowledge-Based Systems, 2017, 119, 152-165.	7.1	12
2728	Visualizing High-Dimensional Data: Advances in the Past Decade. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 1249-1268.	4.4	235
2729	Computer Vision and Natural Language Processing. ACM Computing Surveys, 2017, 49, 1-44.	23.0	33
2730	Classification methods for noise transients in advanced gravitational-wave detectors II: performance tests on Advanced LIGO data. Classical and Quantum Gravity, 2017, 34, 034002.	4.0	52
2731	Refined Spectral Clustering via Embedded Label Propagation. Neural Computation, 2017, 29, 3381-3396.	2.2	9
2732	CUPID: consistent unlabeled probability of identical distribution for image classification. Knowledge-Based Systems, 2017, 137, 115-122.	7.1	1
2733	Skin lesion segmentation using deep convolution networks guided by local unsupervised learning. IBM Journal of Research and Development, 2017, 61, 6:1-6:8.	3.1	39
2734	Unsupervised Spectral Feature Selection with Local Structure Learning. , 2017, , .		0
2735	Automatic segmentation and prognostic method of a turbofan engine using manifold learning and spectral clustering algorithms. Advances in Mechanical Engineering, 2017, 9, 168781401772271.	1.6	3
2736	Winnnow. , 2017, , .		1
2737	Robust discriminative feature learning with calibrated data reconstruction and sparse low-rank model. Applied Intelligence, 2024, 54, 2867-2880.	5.3	7
2738	Reconstruction of normal forms by learning informed observation geometries from data. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7865-E7874.	7.1	40
2739	Stochastic Heat Kernel Estimation on Sampled Manifolds. Computer Graphics Forum, 2017, 36, 131-138.	3.0	1
2740	Support vector machine active learning by Hessian regularization. Journal of Visual Communication and Image Representation, 2017, 49, 47-56.	2.8	16
2741	Geometry-adapted Gaussian random field regression. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
2742	Efficient descriptor learning for large scale localization. , 2017, , .		14
2743	An introduction to laplacian spectral distances and kernels. , 2017, , .		9
2744	A Statistical Toolbox For Mining And Modeling Spatial Data. Comparative Economic Research, 2017, 19, 5-24.	0.5	0
2745	Detecting mutual configurations of applied planning strategies and performances in small and medium sized businesses with kernel based machine learning methods. Applied Soft Computing Journal, 2017, 61, 1211-1225.	7.2	4
2746	Efficient Deformable Motion Correction for 3-D Abdominal MRI Using Manifold Regression. Lecture Notes in Computer Science, 2017, , 270-278.	1.3	1
2747	Information extraction from effective descriptor variables in reconstruction of power system security region by considering correlation between loads. International Transactions on Electrical Energy Systems, 2017, 27, e2415.	1.9	2
2748	An Experimental Study of Dimensionality Reduction Methods. Lecture Notes in Computer Science, 2017, , 178-192.	1.3	2
2749	Constraint-Aware Data Analysis on Mobile Devices. , 2017, , 127-149.		9
2750	Respiratory motion correction of liver contrast-enhanced ultrasound sequences by selecting reference image automatically. , 2017, , .		0
2751	Local non-linear alignment for non-linear dimensionality reduction. IET Computer Vision, 2017, 11, 331-341.	2.0	3
2752	Missing Data Recovery for High-Dimensional Signals With Nonlinear Low-Dimensional Structures. IEEE Transactions on Signal Processing, 2017, 65, 5421-5436.	5.3	20
2753	An Integrated Approach for Design Improvement Based on Analysis of Time-Dependent Product Usage Data. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, .	2.9	21
2754	Superpixel-based feature learning for joint sparse representation of hyperspectral images. , 2017, , .		3
2755	Automated brain state identification using graph embedding. , 2017, , .		1
2756	Manifold Learning by Curved Cosine Mapping. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2236-2248.	5.7	4
2757	Efficient dynamic graph construction for inductive semi-supervised learning. Neural Networks, 2017, 94, 192-203.	5.9	24
2758	Tensor Locality Preserving Sparse Projection for Image Feature Extraction. Neural Processing Letters, 2018, 47, 661.	3.2	1
2759	Prediction of MCI to AD conversion using Laplace Eigenmaps learned from FDG and MRI images of AD patients and healthy controls. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
2760	Performance analysis of manifold learning methods for radio map construction. , 2017, , .		1
2761	Spectral Projector-Based Graph Fourier Transforms. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 785-795.	10.8	41
2762	Learning a Robust Local Manifold Representation for Hyperspectral Dimensionality Reduction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2960-2975.	4.9	82
2763	Discriminative clustering on manifold for adaptive transductive classification. Neural Networks, 2017, 94, 260-273.	5.9	3
2764	Low-rank preserving embedding. Pattern Recognition, 2017, 70, 112-125.	8.1	63
2765	Toward Optimal Manifold Hashing via Discrete Locally Linear Embedding. IEEE Transactions on Image Processing, 2017, 26, 5411-5420.	9.8	33
2766	Out-of-Sample Extension for Dimensionality Reduction of Noisy Time Series. IEEE Transactions on Image Processing, 2017, 26, 5435-5446.	9.8	4
2767	Multiple Penalized Principal Curves: Analysis and Computation. Journal of Mathematical Imaging and Vision, 2017, 59, 234-256.	1.3	3
2768	Nonnegative Matrix Factorization with Rank Regularization and Hard Constraint. Neural Computation, 2017, 29, 2553-2579.	2.2	8
2769	Discriminant Analysis of Hyperspectral Imagery Using Fast Kernel Sparse and Low-Rank Graph. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6085-6098.	6.3	29
2770	Learning and combining image neighborhoods using random forests for neonatal brain disease classification. Medical Image Analysis, 2017, 42, 189-199.	11.6	9
2771	Significance of neural phonotactic models for large-scale spoken language identification. , 2017, , .		10
2772	Mixtape. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-22.	4.3	2
2773	Nonlinear Dimensionality Reduction for Data with Disconnected Neighborhood Graph. Neural Processing Letters, 2018, 47, 697.	3.2	4
2775	A study on cognitive social data fusion. , 2017, , .		15
2776	Verteiltparametrische Modellierung und Regelung eines thermischen Festbettauspeichers. Automatisierungstechnik, 2017, 65, 350-366.	0.8	1
2777	Quantitative Perspectives on Fifty Years of the Journal of the History of Biology. Journal of the History of Biology, 2017, 50, 695-751.	0.5	18
2778	Enhancing the Network Embedding Quality with Structural Similarity. , 2017, , .		43

#	ARTICLE	IF	CITATIONS
2779	From Properties to Links. , 2017, , .		45
2780	Global and Local Feature Learning for Ego-Network Analysis. , 2017, , .		3
2781	Matrix Tri-Factorization with Manifold Regularizations for Zero-Shot Learning. , 2017, , .		85
2782	Multi-Features Fusion Based Face Recognition. Lecture Notes in Computer Science, 2017, , 540-549.	1.3	0
2783	Structure-aware classification using supervised dictionary learning. , 2017, , .		10
2784	Spectrally Optimized Pointset Configurations. Constructive Approximation, 2017, 46, 1-35.	3.0	4
2785	Helicopter load signal and fatigue life estimation using low dimensional spaces. , 2017, , .		2
2786	Geometric Deep Learning: Going beyond Euclidean data. IEEE Signal Processing Magazine, 2017, 34, 18-42.	5.6	1,846
2787	Fast and Orthogonal Locality Preserving Projections for Dimensionality Reduction. IEEE Transactions on Image Processing, 2017, 26, 5019-5030.	9.8	122
2788	Unsupervised Single and Multiple Views Feature Extraction with Structured Graph. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2347-2359.	5.7	51
2789	Iterative diffusion-based anomaly detection. , 2017, , .		2
2790	Graph Similarity through Entropic Manifold Alignment. SIAM Journal on Imaging Sciences, 2017, 10, 942-978.	2.2	1
2791	Weighted area/angle distortion minimization for Mesh Parameterization. Engineering Computations, 2017, 34, 1874-1895.	1.4	2
2792	3D colored mesh graph signals multi-layer morphological enhancement. , 2017, , .		3
2793	Simultaneous low-rank component and graph estimation for high-dimensional graph signals: Application to brain imaging. , 2017, , .		9
2794	M-MRI: A manifold-based framework to highly accelerated dynamic magnetic resonance imaging. , 2017, 2017, 19-22.		10
2795	A Kernel-Based Low-Rank (KLR) Model for Low-Dimensional Manifold Recovery in Highly Accelerated Dynamic MRI. IEEE Transactions on Medical Imaging, 2017, 36, 2297-2307.	8.9	59
2796	Relational autoencoder for feature extraction. , 2017, , .		94

#	ARTICLE	IF	CITATIONS
2797	Dimension reduction using kernel collaborative representation based projection. AEU - International Journal of Electronics and Communications, 2017, 81, 23-30.	2.9	4
2798	An Introduction to Laplacian Spectral Distances and Kernels: Theory, Computation, and Applications. Synthesis Lectures on Visual Computing, 2017, 9, 1-139.	1.0	2
2799	Knowledge. Theory in Biosciences, 2017, 136, 1-17.	1.4	0
2800	A Time Picking Method Based on Spectral Multimanifold Clustering in Microseismic Data. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1273-1277.	3.1	5
2801	Ensembles of classifiers based on dimensionality reduction. Intelligent Data Analysis, 2017, 21, 467-489.	0.9	3
2802	A Non-Greedy Algorithm for L1-Norm LDA. IEEE Transactions on Image Processing, 2017, 26, 684-695.	9.8	94
2803	Learning the Geometric Structure of Manifolds with Singularities Using the Tensor Voting Graph. Journal of Mathematical Imaging and Vision, 2017, 57, 402-422.	1.3	9
2804	Manifold methods for assimilating geophysical and meteorological data in Earth system models and their components. Journal of Hydrology, 2017, 544, 383-396.	5.4	10
2805	Modeling Latent Topics and Temporal Distance for Story Segmentation of Broadcast News. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 112-123.	5.8	13
2806	Deep data analyzing algorithm based on scale space theory. Cluster Computing, 2017, 20, 1-11.	5.0	112
2807	Kernel-based dimensionality reduction using Renyi's \hat{H}_\pm -entropy measures of similarity. Neurocomputing, 2017, 222, 36-46.	5.9	15
2808	Elastic Net Hypergraph Learning for Image Clustering and Semi-Supervised Classification. IEEE Transactions on Image Processing, 2017, 26, 452-463.	9.8	61
2809	Density estimation on manifolds with boundary. Computational Statistics and Data Analysis, 2017, 107, 1-17.	1.2	23
2810	Manifold Learning With Contracting Observers for Data-Driven Time-Series Analysis. IEEE Transactions on Signal Processing, 2017, 65, 904-918.	5.3	15
2811	A review of predictive nonlinear theories for multiscale modeling of heterogeneous materials. Journal of Computational Physics, 2017, 330, 192-220.	3.8	348
2812	A Semi-supervised manifold alignment algorithm and an evaluation method based on local structure preservation. Neurocomputing, 2017, 224, 195-203.	5.9	4
2813	AxiSketcher: Interactive Nonlinear Axis Mapping of Visualizations through User Drawings. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 221-230.	4.4	46
2814	Dynamical system classification with diffusion embedding for ECG-based person identification. Signal Processing, 2017, 130, 403-411.	3.7	19

#	ARTICLE	IF	CITATIONS
2815	Matrix exponential based semi-supervised discriminant embedding for image classification. Pattern Recognition, 2017, 61, 92-103.	8.1	33
2816	Discriminative sparse flexible manifold embedding with novel graph for robust visual representation and label propagation. Pattern Recognition, 2017, 61, 492-510.	8.1	46
2817	Joint hypergraph learning and sparse regression for feature selection. Pattern Recognition, 2017, 63, 291-309.	8.1	56
2818	A novel multi-objective evolutionary algorithm based on LLE manifold learning. Engineering With Computers, 2017, 33, 293-305.	6.1	8
2819	Semi-supervised incremental feature extraction algorithm for large-scale data stream. Concurrency Computation Practice and Experience, 2017, 29, e3914.	2.2	5
2820	Reconstruction of security region with high information content using effective attributes extraction. International Transactions on Electrical Energy Systems, 2017, 27, e2263.	1.9	3
2821	Embedding Riemannian manifolds by the heat kernel of the connection Laplacian. Advances in Mathematics, 2017, 304, 1055-1079.	1.1	13
2822	Locality-constrained nonnegative robust shape interaction subspace clustering and its applications. , 2017, 60, 113-121.		3
2823	Fast affinity propagation clustering based on incomplete similarity matrix. Knowledge and Information Systems, 2017, 51, 941-963.	3.2	23
2824	Semi-supervised double sparse graphs based discriminant analysis for dimensionality reduction. Pattern Recognition, 2017, 61, 361-378.	8.1	44
2825	The mutual information between graphs. Pattern Recognition Letters, 2017, 87, 12-19.	4.2	8
2826	Video registration in egocentric vision under day and night illumination changes. Computer Vision and Image Understanding, 2017, 157, 274-283.	4.7	2
2827	Investigation on the kurtosis filter and the derivation of convolutional sparse filter for impulsive signature enhancement. Journal of Sound and Vibration, 2017, 386, 433-448.	3.9	54
2828	Superimposition of Cone-Beam Computed Tomography Images by Joint Embedding. IEEE Transactions on Biomedical Engineering, 2017, 64, 1218-1227.	4.2	9
2829	Probabilistic class structure regularized sparse representation graph for semi-supervised hyperspectral image classification. Pattern Recognition, 2017, 63, 102-114.	8.1	42
2830	Unsupervised Learning for Robust Respiratory Signal Estimation From X-Ray Fluoroscopy. IEEE Transactions on Medical Imaging, 2017, 36, 865-877.	8.9	13
2831	Attribute-based Decision Graphs: A framework for multiclass data classification. Neural Networks, 2017, 85, 69-84.	5.9	12
2832	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.	4.9	25

#	ARTICLE	IF	CITATIONS
2833	Adaptive maximum margin analysis for image recognition. Pattern Recognition, 2017, 61, 339-347.	8.1	7
2834	Geometrical and topological approaches to Big Data. Future Generation Computer Systems, 2017, 67, 286-296.	7.5	39
2835	SOMH: A self-organizing map based topology preserving hashing method. Neurocomputing, 2017, 236, 56-64.	5.9	3
2836	Local Canonical Correlation Analysis for Nonlinear Common Variables Discovery. IEEE Transactions on Signal Processing, 2017, 65, 1101-1115.	5.3	15
2837	A graph regularized dimension reduction method for out-of-sample data. Neurocomputing, 2017, 225, 58-63.	5.9	12
2838	When machine vision meets histology: A comparative evaluation of model architecture for classification of histology sections. Medical Image Analysis, 2017, 35, 530-543.	11.6	16
2839	Stratified Decision Forests for Accurate Anatomical Landmark Localization in Cardiac Images. IEEE Transactions on Medical Imaging, 2017, 36, 332-342.	8.9	56
2840	Text Dimensionality Reduction with Mutual Information Preserving Mapping. Chinese Journal of Electronics, 2017, 26, 919-925.	1.5	8
2841	Manifold Learning of Overcomplete Feature Spaces in a Multimodal Biometric Recognition System of Iris and Palmprint. , 2017, , .		3
2842	Image Clustering Based on Multi-Features Joint Learning. , 2017, , .		0
2843	Exploiting Electronic Health Records to Mine Drug Effects on Laboratory Test Results. , 2017, , .		5
2844	Laplacian regularization for fuzzy subspace clustering. , 2017, , .		6
2845	Optimization of Stacked Unsupervised Extreme Learning Machine to improve classifier performance. , 2017, , .		6
2846	Enhance generalized learning vector quantization using unsupervised extreme learning machine and intelligent K-means clustering. , 2017, , .		5
2847	Deep Learning on Lie Groups for Skeleton-Based Action Recognition. , 2017, , .		159
2848	A manifold learning framework for reducing high-dimensional big text data. , 2017, , .		3
2849	Feature Extraction Based Multi-Structure Manifold Embedding for Hyperspectral Remote Sensing Image Classification. IEEE Access, 2017, 5, 25069-25080.	4.2	18
2850	Supervised orthogonal discriminant projection based on double adjacency graphs for image classification. IET Image Processing, 2017, 11, 1050-1058.	2.5	2

#	ARTICLE	IF	CITATIONS
2851	Object recall using an experience database to accelerate robot action planning. , 2017, , .		0
2852	Manifold learning for dimension reduction of electronic nose data. , 2017, , .		3
2853	Nonlinear machine fault detection by semi-supervised Laplacian Eigenmaps. Journal of Mechanical Science and Technology, 2017, 31, 3697-3703.	1.5	11
2854	A Graph Regularized Deep Neural Network for Unsupervised Image Representation Learning. , 2017, , .		25
2855	GrassMA: Graph-Based Semi-Supervised Manifold Alignment for Indoor WLAN Localization. IEEE Sensors Journal, 2017, 17, 7086-7095.	4.7	41
2856	Embedding vehicle driver face poses on manifolds. , 2017, , .		2
2857	ADM-CLE Approach for Detecting Slow Variables in Continuous Time Markov Chains and Dynamic Data. SIAM Journal of Scientific Computing, 2017, 39, B76-B101.	2.8	2
2858	Learning supervised binary hashing: Optimization vs diversity. , 2017, , .		1
2859	Expression Recognition Using Sparse Selection of log-Gabor Facial Features. , 2017, , .		1
2860	A Fault Diganosis Method Based on Bispectrum-LPP and PNN. , 2017, , .		0
2861	Manifold learning in SLA violation detection and prediction for cloud-based system. , 2017, , .		1
2862	Scalable Person Re-identification on Supervised Smoothed Manifold. , 2017, , .		209
2863	Crosslingual and Multilingual Speech Recognition Based on the Speech Manifold. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 2301-2312.	5.8	14
2864	Finite-precision effects on graph filters. , 2017, , .		8
2865	A fault detection method for complex electromechanical system using improved integrated approach. , 2017, , .		0
2866	Structured discriminative concept factorization for data representation. , 2017, , .		1
2867	Modeling with fuzzy transforms “A new tool of data mining and quantitative finance. , 2017, , .		1
2868	Graph embedding and its application in defect detection system. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
2869	Additive Component Analysis. , 2017, , .		3
2870	Islanding detection based on nonparametric data reduction techniques and statistical quality control. , 2017, , .		0
2871	Semi-supervised deep network representation with text information. , 2017, , .		0
2872	Image representation based on multi-features. , 2017, , .		0
2873	Multi-low-rank Approximation for Traffic Matrices. , 2017, , .		5
2874	Spectral network approach for multi-channel profile data analysis with applications in advanced manufacturing. , 2017, , .		2
2875	Learning Doubly Stochastic Affinity Matrix via Davis-Kahan Theorem. , 2017, , .		1
2876	A Central Limit Theorem for an Omnibus Embedding of Multiple Random Dot Product Graphs. , 2017, , .		36
2877	Towards Large Scale Spectral Problems via Diffusion Process. , 2017, , .		2
2878	A semi-supervised locally linear embedding spectral clustering algorithm. International Journal of Advanced Media and Communication, 2017, 7, 101.	0.2	2
2879	Adaptive Weighting Just-in-Time-Learning Quality Prediction Model for an Industrial Blast Furnace. ISIJ International, 2017, 57, 107-113.	1.4	8
2880	Data analytics: feature extraction for application with small sample in classification algorithms. International Journal of Business Information Systems, 2017, 26, 378.	0.2	3
2881	Head Pose Estimation via Manifold Learning. , 2017, , .		5
2882	Local Linear Dimensionality Reduction Algorithm Based on Nonlinear Manifolds Decomposition. , 2017, , .		2
2883	A Fusion Scheme of Local Manifold Learning Methods. , 0, , .		1
2884	Scalable High Performance Image Registration Framework by Unsupervised Deep Feature Representations Learning. , 2017, , 245-269.		9
2885	Local Geometric Structure Feature for Dimensionality Reduction of Hyperspectral Imagery. Remote Sensing, 2017, 9, 790.	4.0	136
2886	Fault Diagnosis of Roller Bearings Based on a Wavelet Neural Network and Manifold Learning. Applied Sciences (Switzerland), 2017, 7, 158.	2.5	32

#	ARTICLE	IF	CITATIONS
2887	Statistical Shape and Appearance Models for Bone Quality Assessment. , 2017, , 409-443.		2
2888	Quantification of Inter-Sample Differences in T-Cell Receptor Repertoires Using Sequence-Based Information. Frontiers in Immunology, 2017, 8, 1500.	4.8	24
2889	Longitudinal Analysis for Disease Progression via Simultaneous Multi-Relational Temporal-Fused Learning. Frontiers in Aging Neuroscience, 2017, 9, 6.	3.4	15
2890	Neural Activity Patterns in the Human Brain Reflect Tactile Stickiness Perception. Frontiers in Human Neuroscience, 2017, 11, 445.	2.0	19
2891	A Novel Graph Constructor for Semisupervised Discriminant Analysis: Combined Low-Rank and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1">k \rangle$ -Nearest Neighbor Graph. Computational Intelligence and Neuroscience, 2017, 2017, 1-11.	1.7	5
2892	A Distributed Algorithm for the Cluster-Based Outlier Detection Using Unsupervised Extreme Learning Machines. Mathematical Problems in Engineering, 2017, 2017, 1-12.	1.1	1
2893	Improving semantic role labeling using high-level classification in complex networks. , 2017, , .		0
2894	Lithium-Ion Battery Capacity Estimation: A Method Based on Visual Cognition. Complexity, 2017, 2017, 1-13.	1.6	8
2895	Chaotic itinerancy within the coupled dynamics between a physical body and neural oscillator networks. PLoS ONE, 2017, 12, e0182518.	2.5	11
2896	Convergence of the point integral method for Laplaceâ€“Beltrami equation on point cloud. Research in Mathematical Sciences, 2017, 4, 1.	1.0	7
2897	Discriminatively Local Hashing for Preserving Semantic Manifold. , 2017, , .		0
2898	Dimensionality reduction via representation and affinity learning. , 2017, , .		0
2899	Extending out-of-sample manifold learning via meta-modelling techniques. , 2017, , .		3
2900	Nonlinear dimensionality reduction on graphs. , 2017, , .		14
2901	Density-based multi-manifold ISOMAP for data classification. , 2017, , .		4
2902	Space-selective nonlinear reduced-order models for turbulent boundary layer drag reduction. , 2017, , .		3
2903	Dual hybrid manifold regularized non-negative matrix factorization with discriminability for image clustering. , 2017, , .		1
2904	Similarity search over graphs using localized spectral analysis. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
2905	Efficient large scale commute time embedding. Journal of Physics: Conference Series, 2017, 814, 012010.	0.4	0
2906	Nature-Inspired Graph Optimization for Dimensionality Reduction. , 2017, , .		3
2907	Thermography multidimensional manifold space projection and principal curves extraction for material state evaluation. Japanese Journal of Applied Physics, 2017, 56, 086601.	1.5	1
2908	Block-Diagonal Constrained Low-Rank and Sparse Graph for Discriminant Analysis of Image Data. Sensors, 2017, 17, 1475.	3.8	2
2909	Cluster Analysis in Data-Driven Management and Decisions. Journal of Management Science and Engineering, 2017, 2, 227-251.	2.8	16
2910	Parsimonious representation of nonlinear dynamical systems through manifold learning: A chemotaxis case study. Applied and Computational Harmonic Analysis, 2018, 44, 759-773.	2.2	45
2911	Structure Preserving Sparse Coding for Data Representation. Neural Processing Letters, 2018, 48, 1705-1719.	3.2	6
2912	Robust Neighborhood Graphing for Semi-Supervised Indoor Localization With Light-Loaded Location Fingerprinting. IEEE Internet of Things Journal, 2018, 5, 3378-3387.	8.7	50
2913	A Graph Signal Processing Perspective on Functional Brain Imaging. Proceedings of the IEEE, 2018, 106, 868-885.	21.3	172
2914	A Nuclear Norm Based Matrix Regression Based Projections Method for Feature Extraction. IEEE Access, 2018, 6, 7445-7451.	4.2	14
2915	Decision Tree Ensemble-Based Wafer Map Failure Pattern Recognition Based on Radon Transform-Based Features. IEEE Transactions on Semiconductor Manufacturing, 2018, 31, 250-257.	1.7	125
2916	Predicting Monsoon Intraseasonal Precipitation using a Low-Order Nonlinear Stochastic Model. Journal of Climate, 2018, 31, 4403-4427.	3.2	13
2917	A Novel Hyperspectral Image Clustering Method With Context-Aware Unsupervised Discriminative Extreme Learning Machine. IEEE Access, 2018, 6, 16176-16188.	4.2	13
2918	Machine Learning for Joint Classification and Segmentation. Lecture Notes in Control and Information Sciences - Proceedings, 2018, , 327-339.	0.1	0
2920	Audio Source Separation. Signals and Communication Technology, 2018, , .	0.5	62
2921	Face recognition based on Volterra kernels direct discriminant analysis and effective feature classification. Information Sciences, 2018, 441, 187-197.	6.9	10
2922	Flexible semi-supervised embedding based on adaptive loss regression: Application to image categorization. Information Sciences, 2018, 444, 1-19.	6.9	13
2923	Stochastic discriminant analysis for linear supervised dimension reduction. Neurocomputing, 2018, 291, 136-150.	5.9	8

#	ARTICLE	IF	CITATIONS
2924	Applying stochastic second-order entropy images to multi-modal image registration. Signal Processing: Image Communication, 2018, 65, 201-209.	3.2	8
2925	Computer Aided Bright Lesion Classification in Fundus Image Based on Feature Extraction. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1850034.	1.2	7
2926	Graph Signal Processing: Overview, Challenges, and Applications. Proceedings of the IEEE, 2018, 106, 808-828.	21.3	982
2927	Subspace Clustering via Learning an Adaptive Low-Rank Graph. IEEE Transactions on Image Processing, 2018, 27, 3716-3728.	9.8	80
2928	Machine Learning Analysis of Left Ventricular Function to Characterize Heart Failure With Preserved Ejection Fraction. Circulation: Cardiovascular Imaging, 2018, 11, e007138.	2.6	95
2929	Representing molecular and materials data for unsupervised machine learning. Molecular Simulation, 2018, 44, 905-920.	2.0	18
2930	Multilayer bootstrap networks. Neural Networks, 2018, 103, 29-43.	5.9	13
2931	Fault diagnosis on slipper abrasion of axial piston pump based on Extreme Learning Machine. Measurement: Journal of the International Measurement Confederation, 2018, 124, 378-385.	5.0	78
2932	Fast inference of individual admixture coefficients using geographic data. Annals of Applied Statistics, 2018, 12, .	1.1	48
2933	Organizational Data Classification Based on the Importance Concept of Complex Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3361-3373.	11.3	20
2934	Spectral Clustering of Straight-Line Segments for Roof Plane Extraction From Airborne LiDAR Point Clouds. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 267-271.	3.1	13
2935	Multi-view manifold learning with locality alignment. Pattern Recognition, 2018, 78, 154-166.	8.1	67
2936	Revisiting graph construction for fast image segmentation. Pattern Recognition, 2018, 78, 344-357.	8.1	20
2937	Graph-Regularized Fast and Robust Principal Component Analysis for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3185-3195.	6.3	125
2938	Structure-Aware Data Consolidation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2529-2537.	13.9	13
2939	Robust Subspace Segmentation by Self-Representation Constrained Low-Rank Representation. Neural Processing Letters, 2018, 48, 1671-1691.	3.2	36
2940	Temporal-Spatial Global Locality Projections for Multimode Process Monitoring. IEEE Access, 2018, 6, 9740-9749.	4.2	32
2941	Classification of Hyperspectral Images by Gabor Filtering Based Deep Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1166-1178.	4.9	129

#	ARTICLE	IF	CITATIONS
2942	Bilinear Regularized Locality Preserving Learning on Riemannian Graph for Motor Imagery BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 698-708.	4.9	30
2943	Sparse graph-regularized dictionary learning for suppressing random seismic noise. Geophysics, 2018, 83, V215-V231.	2.6	36
2944	Artificial Intelligence in Decision Support Systems for Diagnosis in Medical Imaging. Intelligent Systems Reference Library, 2018, , .	1.2	13
2945	A general and flexible method for signal extraction from single-cell RNA-seq data. Nature Communications, 2018, 9, 284.	12.8	540
2946	Implicit Block Diagonal Low-Rank Representation. IEEE Transactions on Image Processing, 2018, 27, 477-489.	9.8	63
2947	Extreme Learning Machines for VISualization+R: Mastering Visualization with Target Variables. Cognitive Computation, 2018, 10, 464-477.	5.2	1
2948	A practical tutorial on autoencoders for nonlinear feature fusion: Taxonomy, models, software and guidelines. Information Fusion, 2018, 44, 78-96.	19.1	212
2949	Learning non-linear patch embeddings with neural networks for label fusion. Medical Image Analysis, 2018, 44, 143-155.	11.6	21
2950	Online Low-Rank Representation Learning for Joint Multi-Subspace Recovery and Clustering. IEEE Transactions on Image Processing, 2018, 27, 335-348.	9.8	21
2951	$\ell_{2,p}$ -Norm Based PCA for Image Recognition. IEEE Transactions on Image Processing, 2018, 27, 1336-1346.	9.8	83
2952	Gaussian process for 6-DoF rigid motions. Autonomous Robots, 2018, 42, 1151-1167.	4.8	8
2953	Constructing financial network based on $\langle \text{mml:math display="inline" overflow="scroll" altimg="si14.gif" \rangle \langle \text{mml:mi} \rangle \text{P} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{M} \langle \text{mml:mi} \rangle \text{F} \langle \text{mml:mi} \rangle \text{G} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and threshold method. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 104-113.	2.6	26
2954	A new swarm intelligence optimized multiclass multi-kernel relevant vector machine: An experimental analysis in failure diagnostics of diesel engines. Structural Health Monitoring, 2018, 17, 1503-1519.	7.5	16
2955	LEICA: Laplacian eigenmaps for group ICA decomposition of fMRI data. NeuroImage, 2018, 169, 363-373.	4.2	15
2956	Smartphone-based Human Hemoglobin Level Measurement Analyzing Pixel Intensity of a Fingertip Video on Different Color Spaces. Smart Health, 2018, 5-6, 26-39.	3.2	24
2957	Dimensionality Reduction by Fuzzy Transforms with Applications to Mathematical Finance. Studies in Computational Intelligence, 2018, , 243-254.	0.9	5
2958	A Regularized Locality Projection-Based Sparsity Discriminant Analysis for Face Recognition. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1856006.	1.2	4
2959	Robust principal component analysis via optimal mean by joint $\hat{\alpha}$, " $2,1$ and Schatten p -norms minimization. Neurocomputing, 2018, 283, 205-213.	5.9	34

#	ARTICLE	IF	CITATIONS
2960	Parallel Heat Kernel Volume Based Local Binary Pattern on Multi-Orientation Planes for Face Representation. International Journal of Parallel Programming, 2018, 46, 943-962.	1.5	1
2961	Elastic preserving projections based on L1-norm maximization. Multimedia Tools and Applications, 2018, 77, 21671-21691.	3.9	3
2962	Incremental eigenpair computation for graph Laplacian matrices: theory and applications. Social Network Analysis and Mining, 2018, 8, 1.	2.8	6
2963	Supervised hierarchical neighborhood graph construction for manifold learning. Signal, Image and Video Processing, 2018, 12, 799-807.	2.7	6
2964	Laplacian Echo State Network for Multivariate Time Series Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 238-244.	11.3	90
2965	Discovering Communities and Anomalies in Attributed Graphs. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-40.	3.5	28
2966	SICA: subjectively interesting component analysis. Data Mining and Knowledge Discovery, 2018, 32, 949-987.	3.7	4
2967	Topology Identification and Learning over Graphs: Accounting for Nonlinearities and Dynamics. Proceedings of the IEEE, 2018, 106, 787-807.	21.3	136
2968	Sequential Audio-Visual Correspondence With Alternating Diffusion Kernels. IEEE Transactions on Signal Processing, 2018, 66, 3100-3111.	5.3	3
2969	Visualizing Big Energy Data: Solutions for This Crucial Component of Data Analysis. IEEE Power and Energy Magazine, 2018, 16, 18-25.	1.6	22
2970	Representative Skyline Queries With Total and Partial Order Domains Using US-ELM. IEEE Access, 2018, 6, 10410-10420.	4.2	0
2971	Regional simulation of Indian summer monsoon intraseasonal oscillations at gray-zone resolution. Atmospheric Chemistry and Physics, 2018, 18, 1003-1022.	4.9	43
2972	Network representation with clustering tree features. Journal of Intelligent Information Systems, 2018, 51, 341-365.	3.9	2
2973	Extracting features from requirements: Achieving accuracy and automation with neural networks. , 2018, , .		4
2974	Constrained Manifold Learning for Hyperspectral Imagery Visualization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1213-1226.	4.9	17
2975	A transfer learning approach via procrustes analysis and mean shift for cancer drug sensitivity prediction. Journal of Bioinformatics and Computational Biology, 2018, 16, 1840014.	0.8	34
2976	GAR: An efficient and scalable graph-based activity regularization for semi-supervised learning. Neurocomputing, 2018, 296, 46-54.	5.9	21
2977	Tensor Train Neighborhood Preserving Embedding. IEEE Transactions on Signal Processing, 2018, 66, 2724-2732.	5.3	23

#	ARTICLE	IF	CITATIONS
2978	Sparse Laplacian Component Analysis for Internet Traffic Anomalies Detection. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 697-711.	2.8	4
2979	Efficient Context-Aware K-Nearest Neighbor Search. Lecture Notes in Computer Science, 2018, , 466-478.	1.3	1
2980	Analyzing Fluxional Molecules Using DORI. Journal of Chemical Theory and Computation, 2018, 14, 2370-2379.	5.3	5
2981	Multiview Clustering via Unified and View-Specific Embeddings Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5541-5553.	11.3	33
2982	Fault feature enhancement for rotating machinery based on quality factor analysis and manifold learning. Journal of Intelligent Manufacturing, 2018, 29, 463-480.	7.3	10
2983	Learning the geometry of common latent variables using alternating-diffusion. Applied and Computational Harmonic Analysis, 2018, 44, 509-536.	2.2	47
2984	An Efficient Representation-Based Method for Boundary Point and Outlier Detection. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 51-62.	11.3	37
2985	Concept Factorization With Adaptive Neighbors for Document Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 343-352.	11.3	40
2986	Diffusion representations. Applied and Computational Harmonic Analysis, 2018, 45, 324-340.	2.2	2
2987	Bigeometric organization of deep nets. Applied and Computational Harmonic Analysis, 2018, 44, 774-785.	2.2	0
2988	Information discriminative extreme learning machine. Soft Computing, 2018, 22, 677-689.	3.6	14
2989	A unified framework for harmonic analysis of functions on directed graphs and changing data. Applied and Computational Harmonic Analysis, 2018, 44, 611-644.	2.2	15
2990	Iterated diffusion maps for feature identification. Applied and Computational Harmonic Analysis, 2018, 45, 84-119.	2.2	9
2991	A Spectral Graph Theoretic Approach for Monitoring Multivariate Time Series Data From Complex Dynamical Processes. IEEE Transactions on Automation Science and Engineering, 2018, 15, 127-144.	5.2	34
2992	Robust Structured Nonnegative Matrix Factorization for Image Representation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1947-1960.	11.3	195
2993	Discriminant Analysis with Local Gaussian Similarity Preserving for Feature Extraction. Neural Processing Letters, 2018, 47, 39-55.	3.2	6
2994	Graph Regularized Restricted Boltzmann Machine. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2651-2659.	11.3	50
2995	Manifold Regularized Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 932-943.	11.3	20

#	ARTICLE	IF	CITATIONS
2996	Approximating snowflake metrics by trees. Applied and Computational Harmonic Analysis, 2018, 45, 405-424.	2.2	1
2997	Local sparsity preserving projection and its application to biometric recognition. Multimedia Tools and Applications, 2018, 77, 1069-1092.	3.9	15
2998	Multi-scale kernels for Nyström based extension schemes. Applied Mathematics and Computation, 2018, 319, 165-177.	2.2	2
2999	Data mining and clustering in chemical process databases for monitoring and knowledge discovery. Journal of Process Control, 2018, 67, 160-175.	3.3	58
3000	Density peaks clustering using geodesic distances. International Journal of Machine Learning and Cybernetics, 2018, 9, 1335-1349.	3.6	44
3001	Fast Supervised Discrete Hashing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 490-496.	13.9	192
3002	On the Equivalence of HLL and LTSA. IEEE Transactions on Cybernetics, 2018, 48, 742-753.	9.5	8
3003	Magnetic Eigenmaps for the visualization of directed networks. Applied and Computational Harmonic Analysis, 2018, 44, 189-199.	2.2	13
3004	1D representation of Isomap for united video coding. Multimedia Systems, 2018, 24, 297-312.	4.7	2
3005	Fault diagnosis based on the integration of exponential discriminant analysis and local linear embedding. Canadian Journal of Chemical Engineering, 2018, 96, 463-483.	1.7	14
3006	Data Visualization with Structural Control of Global Cohort and Local Data Neighborhoods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1323-1337.	13.9	8
3007	A deviation based assessment methodology for multiple machine health patterns classification and fault detection. Mechanical Systems and Signal Processing, 2018, 99, 244-261.	8.0	37
3008	A multilinear unsupervised discriminant projections method for feature extraction. Multimedia Tools and Applications, 2018, 77, 3857-3870.	3.9	3
3009	Semi-supervised annotation of faces in image collection. Signal, Image and Video Processing, 2018, 12, 141-149.	2.7	5
3010	An Adaptive Supervised Nonlinear Feature Extraction for Hyperspectral Imagery Classification. Journal of the Indian Society of Remote Sensing, 2018, 46, 367-376.	2.4	4
3011	Manifold sparsity preserving projection for face and palmprint recognition. Multimedia Tools and Applications, 2018, 77, 12233-12258.	3.9	8
3012	Global similarity preserving hashing. Soft Computing, 2018, 22, 2105-2120.	3.6	3
3013	Connectopic mapping with resting-state fMRI. NeuroImage, 2018, 170, 83-94.	4.2	203

#	ARTICLE	IF	CITATIONS
3014	Matrix exponential based discriminant locality preserving projections for feature extraction. Neural Networks, 2018, 97, 127-136.	5.9	25
3015	Rational design of patchy colloids<i>via</i>landscape engineering. Molecular Systems Design and Engineering, 2018, 3, 49-65.	3.4	33
3016	Manifold-based synthetic oversampling with manifold conformance estimation. Machine Learning, 2018, 107, 605-637.	5.4	45
3017	An iterative paradigm of joint feature extraction and labeling for semi-supervised discriminant analysis. Neurocomputing, 2018, 273, 466-480.	5.9	10
3018	Robust data representation using locally linear embedding guided PCA. Neurocomputing, 2018, 275, 523-532.	5.9	22
3019	Exponential elastic preserving projections for facial expression recognition. Neurocomputing, 2018, 275, 711-724.	5.9	15
3020	Multi-view local discrimination and canonical correlation analysis for image classification. Neurocomputing, 2018, 275, 1087-1098.	5.9	20
3021	Semi-supervised local multi-manifold Isomap by linear embedding for feature extraction. Pattern Recognition, 2018, 76, 662-678.	8.1	90
3022	Dimension Reduction and Defect Recognition of Strip Surface Defects Based on Intelligent Information Processing. Arabian Journal for Science and Engineering, 2018, 43, 6729-6736.	3.0	6
3023	A new reliability-based data-driven approach for noisy experimental data with physical constraints. Computer Methods in Applied Mechanics and Engineering, 2018, 328, 752-774.	6.6	30
3024	Local tangent space alignment via nuclear norm regularization for incomplete data. Neurocomputing, 2018, 273, 141-151.	5.9	11
3025	Multi-view Discriminative Manifold Embedding for Pattern Classification. Advances in Intelligent Systems and Computing, 2018, , 167-174.	0.6	0
3026	Manifold learning techniques for unsupervised anomaly detection. Expert Systems With Applications, 2018, 91, 374-385.	7.6	27
3027	Quasi-curvature Local Linear Projection and Extreme Learning Machine for nonlinear dimensionality reduction. Neurocomputing, 2018, 277, 208-217.	5.9	3
3028	SHISS: Supervised hashing with informative set selection. Pattern Recognition Letters, 2018, 107, 105-113.	4.2	6
3029	Three-Dimensional CAD Model Matching With Anisotropic Diffusion Maps. IEEE Transactions on Industrial Informatics, 2018, 14, 265-274.	11.3	9
3030	Dual regularized multi-view non-negative matrix factorization for clustering. Neurocomputing, 2018, 294, 1-11.	5.9	47
3031	Nonlinear machine learning in simulations of soft and biological materials. Molecular Simulation, 2018, 44, 1090-1107.	2.0	23

#	ARTICLE	IF	CITATIONS
3032	An improved Laplacian Eigenmaps method for machine nonlinear fault feature extraction. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3833-3842.	2.1	2
3033	Improved hypergraph regularized Nonnegative Matrix Factorization with sparse representation. Pattern Recognition Letters, 2018, 102, 8-14.	4.2	16
3034	Topological Data Analysis. Annual Review of Statistics and Its Application, 2018, 5, 501-532.	7.0	254
3035	Computational systems biology approaches for Parkinson's disease. Cell and Tissue Research, 2018, 373, 91-109.	2.9	19
3036	A feature extraction and visualization method for fault detection of marine diesel engines. Measurement: Journal of the International Measurement Confederation, 2018, 116, 429-437.	5.0	62
3037	Employing fisher discriminant analysis for Arabic text classification. Computers and Electrical Engineering, 2018, 66, 474-486.	4.8	31
3038	Collaborative text categorization via exploiting sparse coefficients. World Wide Web, 2018, 21, 373-394.	4.0	3
3039	Patch Alignment Manifold Matting. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3214-3226.	11.3	36
3040	Robust Adaptive Embedded Label Propagation With Weight Learning for Inductive Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3388-3403.	11.3	53
3041	Attention driven multi-modal similarity learning. Information Sciences, 2018, 432, 530-542.	6.9	12
3042	Improved data visualisation through nonlinear dissimilarity modelling. Pattern Recognition, 2018, 73, 76-88.	8.1	6
3043	Zero-Shot Learning on Semantic Class Prototype Graph. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2009-2022.	13.9	55
3044	Discriminative unsupervised 2D dimensionality reduction with graph embedding. Multimedia Tools and Applications, 2018, 77, 3189-3207.	3.9	3
3045	Elevator Traffic Pattern Recognition Based on Density Peak Clustering. , 2018, , .		3
3046	Forecasting experiments of a dynamical statistical model of the sea surface temperature anomaly field based on the improved self-memorization principle. Ocean Science, 2018, 14, 301-320.	3.4	6
3047	Smooth Neighbors on Teacher Graphs for Semi-Supervised Learning. , 2018, , .		141
3048	Semi-supervised learning of dynamical systems: a preliminary study. , 2018, , .		7
3049	An Efficient Neural Network for Shape from Focus with Weight Passing Method. Applied Sciences (Switzerland), 2018, 8, 1648.	2.5	13

#	ARTICLE	IF	CITATIONS
3050	Robust Local Learning and Discriminative Concept Factorization for Data Representation. IEEE Access, 2018, 6, 68675-68685.	4.2	2
3051	Unsupervised Metric Learning in Presence of Missing Data. , 2018, , .		4
3052	An Improved Weighted Local Linear Embedding Algorithm. , 2018, , .		3
3053	Topological Eulerian Synthesis of Slow Motion Periodic Videos. , 2018, , .		10
3054	Modeling of Vehicle Trajectory using K-Means and Fuzzy C-Means Clustering. , 2018, , .		6
3055	Multispectral Remote Sensing Land Use Classification Based on RBF Neural Network with Parameters Optimized by Genetic Algorithm. , 2018, , .		4
3056	ISAR Target Recognition Based on Two-dimensional Locality Preserving Projection. Journal of Physics: Conference Series, 2018, 1060, 012006.	0.4	2
3057	Kernel Regression on Manifold Valued Data. , 2018, , .		9
3058	Gearbox Fault Diagnosis Based on a Novel Hybrid Feature Reduction Method. IEEE Access, 2018, 6, 75813-75823.	4.2	8
3059	Compassionately Conservative Balanced Cuts for Image Segmentation. , 2018, , .		3
3060	Linear Discriminative Sparsity Preserving Projections for Dimensionality Reduction. , 2018, , .		1
3061	Temporal Dimensionality Reduction for Land Cover Map Production Using High Resolution Image Time Series. , 2018, , .		0
3062	Learning Association Relationship and Accurate Geometric Structures for Multi-Type Relational Data. , 2018, , .		9
3063	Soft Sensor Model Based on Improved Elman Neural Network with Variable Data Preprocessing and Its Application. Journal of Sensors, 2018, 2018, 1-10.	1.1	7
3064	GRAPH CONVOLUTIONAL NEURAL NETWORKS FOR HYPERSPECTRAL DATA CLASSIFICATION. , 2018, , .		27
3065	Mining on Manifolds: Metric Learning Without Labels. , 2018, , .		64
3066	Vibration Studies of Circular Cylindrical Shells Using Self-Organizing Maps (SOM) Approach and Multivariate Analysis. Journal of Vibration Engineering and Technologies, 2018, 6, 387-399.	2.2	3
3067	Dimensionality reduction via adjusting data distribution density. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
3068	Normalized Cut Loss for Weakly-Supervised CNN Segmentation. , 2018, , .		188
3069	Hermitian Laplacian Operator for Vector Representation of Directed Graphs: An Application to Word Association Norms. Lecture Notes in Computer Science, 2018, , 44-56.	1.3	0
3070	Integrating Laplacian Eigenmaps Feature Space Conversion into Deep Neural Network for Equipment Condition Assessment. Automatic Control and Computer Sciences, 2018, 52, 465-475.	0.8	2
3071	In vivo measurement of the dynamics of norepinephrine in an olfactory bulb following ischemia-induced olfactory dysfunction and its responses to dexamethasone treatment. Analyst, The, 2018, 143, 5247-5254.	3.5	2
3072	Robust Spectral Clustering via Sparse Representation. , 0, , .		5
3073	<i>In situ</i> attenuated total reflection-Fourier transform infrared (ATR-FTIR) spectroscopy combined with non-negative matrix factorization for investigating the synthesis reaction mechanism of 3-amino-4-amino-oxime furazan. Analytical Methods, 2018, 10, 5817-5822.	2.7	12
3074	Multiple Kernel Clustering With Global and Local Structure Alignment. IEEE Access, 2018, 6, 77911-77920.	4.2	15
3075	Exponential Neighborhood Preserving Embedding for Face Recognition. IEICE Transactions on Information and Systems, 2018, E101.D, 1410-1420.	0.7	12
3076	An Emergent Space for Distributed Data With Hidden Internal Order Through Manifold Learning. IEEE Access, 2018, 6, 77402-77413.	4.2	14
3077	Feature Space Transfer for Data Augmentation. , 2018, , .		60
3078	Curvature of Hypergraphs via Multi-Marginal Optimal Transport. , 2018, , .		8
3079	Label Prediction Through Multiple Visual Features. , 2018, , .		0
3080	Identification of nonlinear dynamical system with synthetic data: a preliminary investigation. IFAC-PapersOnLine, 2018, 51, 622-627.	0.9	5
3081	A Multi-step Nonlinear Dimension-reduction Approach with Applications to Bigdata. Procedia Computer Science, 2018, 144, 81-88.	2.0	5
3082	Novel Metric Using Laplacian Eigenmaps to Evaluate Ischemic Stress on the Torso Surface. , 2018, 45, .		4
3083	Placental Vessel Extraction with Shearlets, Laplacian Eigenmaps, and a Conditional Generative Adversarial Network. Association for Women in Mathematics Series, 2018, , 171-196.	0.4	1
3084	The Asynchronous Power Iteration: A Graph Signal Perspective. , 2018, , .		6
3085	Weighted Spectral Embedding of Graphs. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
3086	Nonlinear global-local structure model and its application for condition monitoring and fault detection. , 2018, , .		0
3087	Reduction with Application to Pattern Recognition in Large Databases. , 2018, , .		1
3088	Generalized Low-Computational Cost Laplacian Eigenmaps. Lecture Notes in Computer Science, 2018, , 661-669.	1.3	1
3089	Supervised PolSAR Image Classification with Multiple Features and Locally Linear Embedding. Sensors, 2018, 18, 3054.	3.8	5
3090	Robust Denoising of Piece-Wise Smooth Manifolds. , 2018, , .		6
3091	Enhance Neighbor Reversibility in Subspace Learning for Image Retrieval. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1338-1350.	10.8	4
3092	Recent Trends in Computer Applications. , 2018, , .		0
3093	Weighted Graph Classification by Self-Aligned Graph Convolutional Networks Using Self-Generated Structural Features. Lecture Notes in Computer Science, 2018, , 505-516.	1.3	0
3094	Unsupervised Image Segmentation via Graph-Based Community Detection. , 2018, , 83-97.		0
3095	iWalk: Interest-Aware Random Walk for Network Embedding. , 2018, , .		1
3096	Sparse and Low-Rank Subspace Data Clustering with Manifold Regularization Learned by Local Linear Embedding. Applied Sciences (Switzerland), 2018, 8, 2175.	2.5	6
3097	Dimensionality Reduction via Multiple Locality-Constrained Graph Optimization. IEEE Access, 2018, 6, 54479-54494.	4.2	4
3098	A Novel Graph Based Label Propagation Method for Hyperspectral Remote Sensing Data Classification. , 2018, , .		2
3099	FraudNE: a Joint Embedding Approach for Fraud Detection. , 2018, , .		10
3100	A Brief Survey of Dimension Reduction. Lecture Notes in Computer Science, 2018, , 189-200.	1.3	9
3101	GENERALIZABLE SUPERVISED MANIFOLD LEARNING VIA LIPSCHITZ CONTINUOUS INTERPOLATORS. , 2018, , .		1
3102	Turbo-Type Message Passing Algorithms for Compressed Robust Principal Component Analysis. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1182-1196.	10.8	6
3103	Advances in Computational Intelligence. Lecture Notes in Computer Science, 2018, , .	1.3	0

#	ARTICLE	IF	CITATIONS
3104	A Novel Regularized Nonnegative Matrix Factorization for Spectral-Spatial Dimension Reduction of Hyperspectral Imagery. IEEE Access, 2018, 6, 77953-77964.	4.2	5
3105	Batch process monitoring based on WGNPEâ€“GSVDD related and independent variables. Chinese Journal of Chemical Engineering, 2018, 26, 2549-2561.	3.5	8
3106	Improved Weighted PLS for Quality-Relevant Fault Monitoring Based on Inner Matrix Similarity. , 2018, , .		1
3107	Temporal Performance of Laplacian Eigenmaps and 3D Conduction Velocity in Detecting Ischemic Stress. Journal of Electrocardiology, 2018, 51, S116-S120.	0.9	11
3108	Analysis of Graph Construction Methods in Supervised Data Classification. , 2018, , .		6
3109	LDMNet: Low Dimensional Manifold Regularized Neural Networks. , 2018, , .		17
3110	Laplacian Eigenmaps Feature Conversion and Particle Swarm Optimization-Based Deep Neural Network for Machine Condition Monitoring. Applied Sciences (Switzerland), 2018, 8, 2611.	2.5	5
3111	Modeling Multi-way Relations with Hypergraph Embedding. , 2018, , .		7
3112	Deep Graph Embedding for Ranking Optimization in E-commerce. , 2018, 2018, 2007-2015.		6
3113	Representing local atomic environment using descriptors based on local correlations. Journal of Chemical Physics, 2018, 149, 244102.	3.0	3
3114	Meta-Graph Based HIN Spectral Embedding: Methods, Analyses, and Insights. , 2018, , .		27
3115	A joint manifold leaning-based framework for heterogeneous upstream data fusion. Journal of Algorithms and Computational Technology, 2018, 12, 311-332.	0.7	32
3116	Maintenance Scheduling of Integrated Electric and Natural Gas Grids with Wind Energy Integration. , 2018, , .		4
3117	Robust Adaptive Low-Rank and Sparse Embedding for Feature Representation. , 2018, , .		3
3118	Data-driven spectral decomposition of ECoG signal from an auditory oddball experiment in a marmoset monkey: Implications for EEG data in humans. , 2018, , .		3
3119	Sparsity and Geometry Preserving Graph Embedding for Dimensionality Reduction. IEEE Access, 2018, 6, 75748-75766.	4.2	24
3120	TV News Story Segmentation Using Deep Neural Network. , 2018, , .		8
3121	Discriminant Neighborhood Preserving Projections Using L1-Norm Maximization for SAR Target Recognition. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
3122	Learning Discrete Hashing Towards Efficient Fashion Recommendation. Data Science and Engineering, 2018, 3, 307-322.	6.4	9
3123	Dimensionality Reduction Using Sparse Locality Preserving Projections and Its Application in Face Recognition. , 2018, , .		0
3124	A Unified Framework for Manifold Landmarking. IEEE Transactions on Signal Processing, 2018, 66, 5563-5576.	5.3	1
3125	Embeddings of Riemannian manifolds with finite eigenvector fields of connection Laplacian. Calculus of Variations and Partial Differential Equations, 2018, 57, 1.	1.7	1
3126	Dimensions, Bits, and Wows in Accelerating Materials Discovery. Springer Series in Materials Science, 2018, , 1-14.	0.6	1
3127	Spectrum of the Laplace-Beltrami operator and the phase structure of causal dynamical triangulations. Physical Review D, 2018, 97, .	4.7	7
3128	Mathematical analysis on out-of-sample extensions. International Journal of Wavelets, Multiresolution and Information Processing, 2018, 16, 1850042.	1.3	1
3129	Nonlinear Model for Condition Monitoring and Fault Detection Based on Nonlocal Kernel Orthogonal Preserving Embedding. Shock and Vibration, 2018, 2018, 1-16.	0.6	2
3130	Statistic Experience Based Adaptive One-Shot Detector (EAO) for Camera Sensing System. Sensors, 2018, 18, 3041.	3.8	2
3131	Categorization Based on Similarity and Features: The Reproducing Kernel Banach Space (RKBS) Approach. , 0, , 322-373.		0
3132	Angle-Based Model for Interactive Dimensionality Reduction and Data Visualization. Lecture Notes in Computer Science, 2018, , 149-157.	1.3	1
3133	Reprogramming of regulatory network using expression uncovers sex-specific gene regulation in Drosophila. Nature Communications, 2018, 9, 4061.	12.8	23
3134	Principal Polynomial Analysis for Fault Detection and Diagnosis of Industrial Processes. IEEE Access, 2018, 6, 52298-52307.	4.2	13
3135	Structured sparse graphs using manifold constraints for visual data analysis. Neurocomputing, 2018, 315, 107-114.	5.9	4
3136	The Steerable Graph Laplacian and its Application to Filtering Image Datasets. SIAM Journal on Imaging Sciences, 2018, 11, 2254-2304.	2.2	12
3137	A Natural Diffusion Distance and Equivalence of Local Convergence and Local Equicontinuity for a General Symmetric Diffusion Semigroup. Abstract and Applied Analysis, 2018, 2018, 1-9.	0.7	3
3138	Supervised low rank indefinite kernel approximation using minimum enclosing balls. Neurocomputing, 2018, 318, 213-226.	5.9	9
3139	Image Clustering Based on Supervised Graph Regularized Discriminative Concept Factorization. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
3140	Unsupervised Feature Extraction for Hyperspectral Imagery Using Collaboration-Competition Graph. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1491-1503.	10.8	22
3141	Computing low-dimensional representations of speech from socio-auditory structures for phonetic analyses. Journal of Phonetics, 2018, 71, 355-375.	1.2	5
3142	Robust Locality Preserving Projection Based on Kernel Risk-Sensitive Loss. , 2018, , .		3
3143	Manifold Correlation Graph for Semi-Supervised Learning. , 2018, , .		1
3144	Constructing a High-Dimensional k NN-Graph Using a Z-Order Curve. Journal of Experimental Algorithmics, 2018, 23, 1-21.	1.0	5
3145	Unsupervised Neural Categorization for Scientific Publications. , 2018, , 37-45.		11
3146	Learning Interpretable Anatomical Features Through Deep Generative Models: Application to Cardiac Remodeling. Lecture Notes in Computer Science, 2018, , 464-471.	1.3	35
3147	MetGem Software for the Generation of Molecular Networks Based on the t-SNE Algorithm. Analytical Chemistry, 2018, 90, 13900-13908.	6.5	132
3148	Laplacian mixture modeling for network analysis and unsupervised learning on graphs. PLoS ONE, 2018, 13, e0204096.	2.5	1
3149	ELM-SOM: A Continuous Self-Organizing Map for Visualization. , 2018, , .		8
3150	Functional Locality Preserving Projection for Dimensionality Reduction. , 2018, , .		0
3151	Irregularity-Aware Graph Fourier Transforms. IEEE Transactions on Signal Processing, 2018, 66, 5746-5761.	5.3	42
3152	Think globally, fit locally under the manifold setup: Asymptotic analysis of locally linear embedding. Annals of Statistics, 2018, 46, .	2.6	17
3153	Comparative Analysis Between Embedded-Spaces-Based and Kernel-Based Approaches for Interactive Data Representation. Communications in Computer and Information Science, 2018, , 28-38.	0.5	2
3154	Linear Software Models: Bipartite Isomorphism between Laplacian Eigenvectors and Modularity Matrix Eigenvectors. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 897-935.	0.8	6
3155	Electronic Nose: Algorithmic Challenges. , 2018, , .		8
3156	Robust Semi-Supervised Manifold Learning Algorithm for Classification. Mathematical Problems in Engineering, 2018, 2018, 1-8.	1.1	3
3157	Revealing Regional Associations of Cortical Folding Alterations with In Utero Ventricular Dilation Using Joint Spectral Embedding. Lecture Notes in Computer Science, 2018, 11072, 620-627.	1.3	2

#	ARTICLE	IF	CITATIONS
3158	Multi-feature Semi-supervised Learning Approach. , 2018, , 225-245.		1
3159	Exploring high-dimensional data through locally enhanced projections. Journal of Visual Languages and Computing, 2018, 48, 144-156.	1.8	6
3160	Simultaneous Learning of Affinity Matrix and Laplacian Regularized Least Squares for Semi-Supervised Classification. , 2018, , .		1
3161	Large Scale and Parallel Sentiment Analysis Based on Label Propagation in Twitter Data. , 2018, , .		6
3162	R ² SDH. , 2018, , .		27
3163	Land Cover Classification Using Integrated Spectral, Temporal, and Spatial Features Derived from Remotely Sensed Images. Remote Sensing, 2018, 10, 383.	4.0	25
3164	Elastic Net Representation-based Projections for Bearing Fault Classification. , 2018, , .		0
3165	Multivariate Time-Series Analysis Via Manifold Learning. , 2018, , .		6
3166	Distributed Harmonic Form Computation. IEEE Signal Processing Letters, 2018, 25, 1241-1245.	3.6	2
3167	mQAPViz. , 2018, , .		0
3168	Learning Data Manifolds with a Cutting Plane Method. Neural Computation, 2018, 30, 2593-2615.	2.2	7
3169	Characterizing the functional connectivity diversity of the insula cortex: Subregions, diversity curves and behavior. NeuroImage, 2018, 183, 716-733.	4.2	67
3170	Unified Stochastic Reverberation Modeling. , 2018, , .		5
3171	Stability Analysis of the t-SNE Algorithm for Human Activity Pattern Data. , 2018, , .		10
3172	Identifying Influential Users on Twitter's Trendy Hashtags Using Association Rule Learning. , 2018, , .		1
3173	The Approximations of Functions and Adaptive Grids. , 2018, , .		0
3174	NFFT Meets Krylov Methods: Fast Matrix-Vector Products for the Graph Laplacian of Fully Connected Networks. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	8
3175	Mutual-Information-Graph Regularized Sparse Transform for Unsupervised Feature Learning. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
3176	Deep Dynamic Network Embedding for Link Prediction. IEEE Access, 2018, 6, 29219-29230.	4.2	87
3177	MRI slice stacking using manifold alignment and wave kernel signatures. , 2018, , .		3
3178	Data-driven Evolution Equation Reconstruction for Parameter-Dependent Nonlinear Dynamical Systems. Israel Journal of Chemistry, 2018, 58, 787-794.	2.3	2
3179	A nonlinear orthogonal non-negative matrix factorization approach to subspace clustering. Pattern Recognition, 2018, 82, 40-55.	8.1	53
3180	Supervised Intra- and Inter-Modality Similarity Preserving Hashing for Cross-Modal Retrieval. IEEE Access, 2018, 6, 27796-27808.	4.2	26
3181	Comparative study of dimensionality reduction methods for remote sensing images interpretation. , 2018, , .		9
3182	An improved semi-supervised dimensionality reduction using feature weighting: Application to sentiment analysis. Expert Systems With Applications, 2018, 109, 49-65.	7.6	44
3183	Dictionary Integration Using 3D Morphable Face Models for Pose-Invariant Collaborative-Representation-Based Classification. IEEE Transactions on Information Forensics and Security, 2018, 13, 2734-2745.	6.9	21
3184	On the definition of shape parts: a dominant sets approach. Pattern Analysis and Applications, 2018, 21, 879-894.	4.6	1
3185	Spectral Shape Analysis of Human Torsos: Application to the Evaluation of Scoliosis Surgery Outcome. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1552-1560.	6.3	2
3186	MKL Based Local Label Diffusion for Automatic Image Annotation. Communications in Computer and Information Science, 2018, , 385-399.	0.5	1
3187	A novel hybrid algorithm for feature selection. Personal and Ubiquitous Computing, 2018, 22, 971-985.	2.8	13
3188	A symbiotic organisms search algorithm for feature selection in satellite image classification. , 2018, , .		3
3189	Low Rank Subspace Clustering via Discrete Constraint and Hypergraph Regularization for Tumor Molecular Pattern Discovery. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1500-1512.	3.0	10
3190	Non-destructive identification of maize haploid seeds using nonlinear analysis method based on their near-infrared spectra. Biosystems Engineering, 2018, 172, 144-153.	4.3	24
3191	Graph autoencoder-based unsupervised feature selection with broad and local data structure preservation. Neurocomputing, 2018, 312, 310-323.	5.9	39
3192	A Research on the Combination Strategies of Multiple Features for Hyperspectral Remote Sensing Image Classification. Journal of Sensors, 2018, 2018, 1-14.	1.1	5
3193	Discriminant sparse and collaborative preserving embedding for bearing fault diagnosis. Neurocomputing, 2018, 313, 259-270.	5.9	9

#	ARTICLE	IF	CITATIONS
3194	Graph slepians to strike a balance between local and global network interactions: Application to functional brain imaging. , 2018, , .		4
3195	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.	6.3	35
3196	Manifold learning algorithms for sensor fusion of image and radio-frequency data. , 2018, , .		9
3197	On connections between R�nyi entropy Principal Component Analysis, kernel learning and graph embedding. Pattern Recognition Letters, 2018, 112, 125-130.	4.2	5
3198	Kurtogram manifold learning and its application to rolling bearing weak signal detection. Measurement: Journal of the International Measurement Confederation, 2018, 127, 533-545.	5.0	40
3199	Sensor-Based Build Condition Monitoring in Laser Powder Bed Fusion Additive Manufacturing Process Using a Spectral Graph Theoretic Approach. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	63
3200	Linear regression based projections for dimensionality reduction. Information Sciences, 2018, 467, 74-86.	6.9	12
3201	Slingshot: cell lineage and pseudotime inference for single-cell transcriptomics. BMC Genomics, 2018, 19, 477.	2.8	1,562
3202	Distinct ECG Phenotypes Identified in Hypertrophic Cardiomyopathy Using Machine Learning Associate With Arrhythmic Risk Markers. Frontiers in Physiology, 2018, 9, 213.	2.8	57
3203	Handbook of Big Data Analytics. Springer Handbooks of Computational Statistics, 2018, , .	0.2	19
3204	Matrix regression preserving projections for robust feature extraction. Knowledge-Based Systems, 2018, 161, 35-46.	7.1	7
3205	Tensor Low-Rank Discriminant Embedding for Hyperspectral Image Dimensionality Reduction. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7183-7194.	6.3	25
3206	Construction of Tight Frames on Graphs and Application to Denoising. Springer Handbooks of Computational Statistics, 2018, , 503-522.	0.2	8
3207	Laplacian spectral basis functions. Computer Aided Geometric Design, 2018, 65, 31-47.	1.2	7
3208	Polarimetric learning: a Siamese approach to learning distance metrics of algal Mueller matrix images. Applied Optics, 2018, 57, 3829.	1.8	7
3209	Drug�Drug Interaction Discovery: Kernel Learning from Heterogeneous Similarities. Smart Health, 2018, 9-10, 88-100.	3.2	14
3210	Low-Rank Sparse Preserving Projections for Dimensionality Reduction. IEEE Transactions on Image Processing, 2018, 27, 5261-5274.	9.8	48
3212	Hyperspectral image classification based on adaptive�weighted LLE and clustering�based FSVMs. IET Image Processing, 2018, 12, 941-947.	2.5	3

#	ARTICLE	IF	CITATIONS
3213	Ship Classification Based on MSHOG Feature and Task-Driven Dictionary Learning with Structured Incoherent Constraints in SAR Images. Remote Sensing, 2018, 10, 190.	4.0	37
3214	Bilateral Filter Regularized L2 Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing. Remote Sensing, 2018, 10, 816.	4.0	16
3215	Classification of Hyperspectral Images with Robust Regularized Block Low-Rank Discriminant Analysis. Remote Sensing, 2018, 10, 817.	4.0	7
3216	Predicting Gene-Disease Associations with Manifold Learning. Lecture Notes in Computer Science, 2018, , 265-271.	1.3	5
3217	Fusion of stability and multi-objective optimization for solving cancer tissue classification problem. Expert Systems With Applications, 2018, 113, 377-396.	7.6	12
3218	PixelSNE: Pixel-Aligned Stochastic Neighbor Embedding for Efficient 2D Visualization with Screen-Resolution Precision. Computer Graphics Forum, 2018, 37, 267-276.	3.0	4
3219	Conformal Mapping of a 3D Face Representation onto a 2D Image for CNN Based Face Recognition. , 2018, , .		12
3220	Consensus learning guided multi-view unsupervised feature selection. Knowledge-Based Systems, 2018, 160, 49-60.	7.1	65
3221	Image classification using manifold learning based non-linear dimensionality reduction. , 2018, , .		6
3222	NN-Descent on High-Dimensional Data. , 2018, , .		10
3223	Graph Signal Processing. , 2018, , 239-259.		8
3224	Canonical Correlation Analysis of Datasets With a Common Source Graph. IEEE Transactions on Signal Processing, 2018, 66, 4398-4408.	5.3	26
3225	Continuous-Time Dynamic Network Embeddings. , 2018, , .		286
3226	Manifold Learning via the Principle Bundle Approach. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	1
3227	Co-Regularized Deep Multi-Network Embedding. , 2018, , .		35
3228	Multiview Kernels for Low-Dimensional Modeling of Seismic Events. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3300-3310.	6.3	17
3229	Limit theorems for eigenvectors of the normalized Laplacian for random graphs. Annals of Statistics, 2018, 46, .	2.6	41
3230	$\mathcal{L}_{\{2,1\}}$ -Norm Discriminant Manifold Learning. IEEE Access, 2018, 6, 40723-40734.	4.2	20

#	ARTICLE	IF	CITATIONS
3231	A global manifold margin learning method for data feature extraction and classification. Engineering Applications of Artificial Intelligence, 2018, 75, 94-101.	8.1	13
3232	From content to links: Social image embedding with deep multimodal model. Knowledge-Based Systems, 2018, 160, 251-264.	7.1	13
3233	Supervised Manifold-Preserving Graph Reduction for Noisy Data Classification. Lecture Notes in Computer Science, 2018, , 226-237.	1.3	1
3234	Dimensionality Reduction and Visualization by Doubly Kernelized Unit Ball Embedding. Lecture Notes in Computer Science, 2018, , 224-230.	1.3	0
3235	Multi-modal brain fingerprinting: A manifold approximation based framework. NeuroImage, 2018, 183, 212-226.	4.2	23
3236	Prediction of subcellular location of apoptosis proteins by incorporating PsePSSM and DCCA coefficient based on LFDA dimensionality reduction. BMC Genomics, 2018, 19, 478.	2.8	55
3237	Consistency of modularity clustering on random geometric graphs. Annals of Applied Probability, 2018, 28, .	1.3	8
3238	An Extreme Learning Machine-Based Community Detection Algorithm in Complex Networks. Complexity, 2018, 2018, 1-10.	1.6	7
3239	Semi-supervised metric learning in stratified spaces via intergrating local constraints and information-theoretic non-local constraints. Neurocomputing, 2018, 312, 165-176.	5.9	8
3240	MLS: Joint manifold-learning and sparsity-aware framework for highly accelerated dynamic magnetic resonance imaging. , 2018, 2018, 1213-1216.		8
3241	Deep Discrete Cross-Modal Hashing for Cross-Media Retrieval. Pattern Recognition, 2018, 83, 64-77.	8.1	40
3242	Mapping higher-order relations between brain structure and function with embedded vector representations of connectomes. Nature Communications, 2018, 9, 2178.	12.8	95
3243	ANE: Network Embedding via Adversarial Autoencoders. , 2018, , .		9
3244	Transcriptional Dynamics of Hair-Bundle Morphogenesis Revealed with CellTrails. Cell Reports, 2018, 23, 2901-2914.e13.	6.4	40
3245	t-SNE Visualization of Large-Scale Neural Recordings. Neural Computation, 2018, 30, 1750-1774.	2.2	44
3246	ONPPn: Orthogonal Neighborhood Preserving Projection with Normalization and its applications. Image and Vision Computing, 2018, 76, 64-75.	4.5	4
3247	Sparse Gradient Based Structured Matrix Decomposition for Salient Object Detection. IEEE Access, 2018, 6, 29966-29978.	4.2	3
3248	Nuclear norm-based matrix regression preserving embedding for face recognition. Neurocomputing, 2018, 311, 279-290.	5.9	15

#	ARTICLE	IF	CITATIONS
3249	To Detect the Influencers in a Dynamic Co-authorship Network Using Heat-Diffusion Model. Lecture Notes in Electrical Engineering, 2018, , 259-268.	0.4	1
3250	Low-Complexity Privacy-Preserving Compressive Analysis Using Subspace-Based Dictionary for ECG Telemonitoring System. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 801-811.	4.0	37
3251	Structured AutoEncoders for Subspace Clustering. IEEE Transactions on Image Processing, 2018, 27, 5076-5086.	9.8	284
3252	Lp- and Ls-Norm Distance Based Robust Linear Discriminant Analysis. Neural Networks, 2018, 105, 393-404.	5.9	44
3253	Big data sharing and analysis to advance research in post-traumatic epilepsy. Neurobiology of Disease, 2019, 123, 127-136.	4.4	20
3254	Multidimensional Projection for Visual Analytics: Linking Techniques with Distortions, Tasks, and Layout Enrichment. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 2650-2673.	4.4	123
3255	Discriminant maximum margin projections for face recognition. Multimedia Tools and Applications, 2019, 78, 23847-23865.	3.9	5
3256	iSIRA: Integrated shiftâ€“invert residual Arnoldi method for graph Laplacian matrices from big data. Journal of Computational and Applied Mathematics, 2019, 346, 518-531.	2.0	6
3257	Discriminative Feature Selection via Employing Smooth and Robust Hinge Loss. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 788-802.	11.3	8
3258	Low-Rank Sparse Subspace for Spectral Clustering. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1532-1543.	5.7	139
3259	Piecewise Flat Embedding for Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1470-1485.	13.9	12
3260	A Survey on Network Embedding. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 833-852.	5.7	741
3261	Learning-Based Outdoor Localization Exploiting Crowd-Labeled WiFi Hotspots. IEEE Transactions on Mobile Computing, 2019, 18, 896-909.	5.8	31
3262	CFRP Impact Damage Inspection Based on Manifold Learning Using Ultrasonic Induced Thermography. IEEE Transactions on Industrial Informatics, 2019, 15, 2648-2659.	11.3	30
3263	A regularized approach for unsupervised multi-view multi-manifold learning. Signal, Image and Video Processing, 2019, 13, 253-261.	2.7	1
3264	Robust Dimension Reduction for Clustering With Local Adaptive Learning. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 657-669.	11.3	29
3265	Structurally Incoherent Low-Rank 2DLPP for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1701-1714.	8.3	20
3266	Joint sparse representation and locality preserving projection for feature extraction. International Journal of Machine Learning and Cybernetics, 2019, 10, 1731-1745.	3.6	27

#	ARTICLE	IF	CITATIONS
3267	Generalized Robust Regression for Jointly Sparse Subspace Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 756-772.	8.3	52
3268	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.	3.0	16
3269	Iterative Mirror Decomposition for Signal Representation. , 2019, , .		3
3270	Revealing Cluster Hierarchy in Gate-level ICs Using Block Diagrams and Cluster Estimates of Circuit Embeddings. ACM Transactions on Design Automation of Electronic Systems, 2019, 24, 1-19.	2.6	4
3271	Image Analysis and Recognition. Lecture Notes in Computer Science, 2019, , .	1.3	0
3272	Exploring Nonnegative and Low-Rank Correlation for Noise-Resistant Spectral Clustering. Lecture Notes in Computer Science, 2019, , 12-26.	1.3	1
3273	Using Data-Reduction Techniques to Analyze Biomolecular Trajectories. Methods in Molecular Biology, 2019, 2022, 453-502.	0.9	2
3274	An improve face representation and recognition method based on graph regularized non-negative matrix factorization. Multimedia Tools and Applications, 2019, 78, 22109-22126.	3.9	3
3275	Multi-Task Embedded Convolutional Neural Network for Hyperspectral Image Classification. , 2019, , .		0
3276	An Out-of-Sample Extension for Wireless Multipoint Channel Charting. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 208-217.	0.3	6
3277	An Out-of-Sample Extension to Manifold Learning via Meta-Modeling. IEEE Transactions on Image Processing, 2019, 28, 5227-5237.	9.8	13
3278	Collaborative Representation Guided Graph Learning for Visual Classification. , 2019, , .		0
3279	A manifold-based approach to sparse global constraint satisfaction problems. Journal of Global Optimization, 2019, 75, 949-971.	1.8	0
3280	Non-backtracking cycles: length spectrum theory and graph mining applications. Applied Network Science, 2019, 4, .	1.5	21
3281	Globality-Locality Preserving Maximum Variance Extreme Learning Machine. Complexity, 2019, 2019, 1-18.	1.6	2
3282	Heuristic Framework for Multiscale Testing of the Multi-Manifold Hypothesis. Association for Women in Mathematics Series, 2019, , 47-80.	0.4	2
3283	Feature Reduction Method for Cognition and Classification of IoT Devices Based on Artificial Intelligence. IEEE Access, 2019, 7, 103291-103298.	4.2	13
3284	An Analysis of Dimension Reduction Methods Applicable for Out of Sample Problem in Hyperspectral Images. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
3285	Visualizing High-Dimensional Single-Cell RNA-seq Data via Random Projections and Geodesic Distances. , 2019, , .		6
3286	Web tool for graph embeddings representation techniques evaluation. , 2019, , .		1
3287	Optimal Selection of Bands for Hyperspectral Images Using Spectral Clustering. Communications in Computer and Information Science, 2019, , 288-304.	0.5	0
3288	Unsupervised feature selection with adaptive residual preserving. Neurocomputing, 2019, 367, 259-272.	5.9	6
3289	Two-dimensional locality adaptive discriminant analysis. Multimedia Tools and Applications, 2019, 78, 30397-30418.	3.9	3
3290	Recovering Trees with Convex Clustering. SIAM Journal on Mathematics of Data Science, 2019, 1, 383-407.	1.8	10
3291	LE & LLE Regularized Nonnegative Tucker Decomposition for clustering of high dimensional datasets. Neurocomputing, 2019, 364, 77-94.	5.9	12
3292	HpLapGCN: Hypergraph p-Laplacian graph convolutional networks. Neurocomputing, 2019, 362, 166-174.	5.9	39
3293	Visual Identification and Extraction of Intrinsic Axes in High-Dimensional Data. IEEE Access, 2019, 7, 79565-79578.	4.2	3
3294	Modeling and Analysis of Studentsâ€™ Performance Trajectories using Diffusion Maps and Kernel Two-Sample Tests. Engineering Applications of Artificial Intelligence, 2019, 85, 492-503.	8.1	6
3295	A structural connectivity convergence zone in the ventral and anterior temporal lobes: Data-driven evidence from structural imaging. Cortex, 2019, 120, 298-307.	2.4	26
3296	A Literature Review: Geometric Methods and Their Applications in Human-Related Analysis. Sensors, 2019, 19, 2809.	3.8	2
3297	Sparse graphs with smoothness constraints: Application to dimensionality reduction and semi-supervised classification. Pattern Recognition, 2019, 95, 285-295.	8.1	15
3298	Image Retrieval Uses SVM-Based Relevant Feedback for Imbalance and Small Training Set. , 2019, , .		0
3299	Laplacian Eigenmaps Network-Based Nonlocal Means Method for MR Image Denoising. Sensors, 2019, 19, 2918.	3.8	22
3300	Accelerated Dynamic MRI Using Kernel-Based Low Rank Constraint. Journal of Medical Systems, 2019, 43, 271.	3.6	7
3301	Joint Manifold Learning Based Distributed Sensor Fusion of Image and Radio-Frequency Data. , 2019, , .		3
3302	Revealing neural correlates of behavior without behavioral measurements. Nature Communications, 2019, 10, 4745.	12.8	96

#	ARTICLE	IF	CITATIONS
3303	Decoupling of brain function from structure reveals regional behavioral specialization in humans. Nature Communications, 2019, 10, 4747.	12.8	163
3304	Toward a spectral theory of cellular sheaves. Journal of Applied and Computational Topology, 2019, 3, 315-358.	2.0	29
3306	Multi-view laplacian least squares for human emotion recognition. Neurocomputing, 2019, 370, 78-87.	5.9	15
3307	An Application of Manifold Learning in Global Shape Descriptors. Algorithms, 2019, 12, 171.	2.1	3
3308	Causes and consequences of representational drift. Current Opinion in Neurobiology, 2019, 58, 141-147.	4.2	142
3309	Discriminative low-rank preserving projection for dimensionality reduction. Applied Soft Computing Journal, 2019, 85, 105768.	7.2	71
3310	Graph embedding on biomedical networks: methods, applications and evaluations. Bioinformatics, 2020, 36, 1241-1251.	4.1	253
3311	Masonry walls as sieve of urban plant assemblages and refugia of native species in Chongqing, China. Landscape and Urban Planning, 2019, 191, 103620.	7.5	20
3312	ELM-SOM+: A continuous mapping for visualization. Neurocomputing, 2019, 365, 147-156.	5.9	10
3313	Symmetric Rank-One Updates from Partial Spectrum with an Application to Out-of-Sample Extension. SIAM Journal on Matrix Analysis and Applications, 2019, 40, 973-997.	1.4	2
3314	Estimation of Intrinsic Dimension using Supervised Parameter Selection Method. Journal of Physics: Conference Series, 2019, 1302, 022019.	0.4	0
3315	Complete mitochondrial genome of <i>Capreolus pygargus</i> (Cervidae: Capreolinae), a protected and threatened species in China. Mitochondrial DNA Part B: Resources, 2019, 4, 2469-2470.	0.4	1
3316	Simulation and Analysis on the Optimal Tax Rate of Water Resources in Yunnan Province. IOP Conference Series: Earth and Environmental Science, 2019, 267, 062034.	0.3	1
3317	Optical Orbital Angular Momentum Shift-Keying Communication Using Direct Demodulation. IEEE Access, 2019, 7, 103433-103442.	4.2	4
3318	Three-Dimensional Gradient Spatial Filter of a Field of Vectors for Geometrical Edges Magnitude Detection in Point Cloud Surfaces. , 2019, , .		4
3319	Spatial-Spectral Multiple Manifold Discriminant Analysis for Dimensionality Reduction of Hyperspectral Imagery. Remote Sensing, 2019, 11, 2414.	4.0	10
3320	Compressed Sensing MRI Reconstruction using Low Dimensional Manifold Model. , 2019, , .		0
3321	Optimal manifold neighborhood and kernel width for robust non-linear dimensionality reduction. Knowledge-Based Systems, 2019, 185, 104953.	7.1	4

#	ARTICLE	IF	CITATIONS
3322	A Dimension Reduction Method Based on Adaptive RBF Neural Network in Supervised Machine Learning. IOP Conference Series: Materials Science and Engineering, 2019, 569, 052053.	0.6	0
3323	Image and Video Technology. Lecture Notes in Computer Science, 2019, , .	1.3	2
3325	Road Extraction from Very High Resolution Images Using Weakly labeled OpenStreetMap Centerline. ISPRS International Journal of Geo-Information, 2019, 8, 478.	2.9	39
3326	Variational Autoencoders for Cancer Data Integration: Design Principles and Computational Practice. Frontiers in Genetics, 2019, 10, 1205.	2.3	76
3328	A simulated parameter optimization methodâ€‘based manifold learning for a production process. Concurrency Computation Practice and Experience, 2022, 34, e5521.	2.2	4
3329	Real-Time Detection for Camera Sensing System: Adaptive Cascade Single-Shot Detector. , 2019, , .		0
3330	A MobileNets Convolutional Neural Network for GIS Partial Discharge Pattern Recognition in the Ubiquitous Power Internet of Things Context: Optimization, Comparison, and Application. IEEE Access, 2019, 7, 150226-150236.	4.2	56
3331	Input Feature Selection Method Based on Feature Set Equivalence and Mutual Information Gain Maximization. IEEE Access, 2019, 7, 151525-151538.	4.2	32
3332	A survey of signal processing based graph learning techniques. , 2019, , .		2
3333	Semi-Supervised Manifold Alignment Using Parallel Deep Autoencoders. Algorithms, 2019, 12, 186.	2.1	2
3334	Laplacian Eigenmaps Dimensionality Reduction Based on Clustering-Adjusted Similarity. Algorithms, 2019, 12, 210.	2.1	3
3335	HARDI Segmentation via Fourth-Order Tensors and Anisotropy Preserving Similarity Measures. Journal of Mathematical Imaging and Vision, 2019, 61, 1221-1234.	1.3	3
3336	Enhancing Domain Word Embedding via Latent Semantic Imputation. , 2019, , .		6
3337	Respiratory motion correction for liver contrastâ€‘enhanced ultrasound by automatic selection of a reference image. Medical Physics, 2019, 46, 4992-5001.	3.0	1
3338	A Study of Speech Feature Extraction Based on Manifold Learning. Journal of Physics: Conference Series, 2019, 1187, 052021.	0.4	3
3339	Mining latent patterns in geoMobile data via EPIC. World Wide Web, 2019, 22, 2771-2798.	4.0	0
3340	Cognitive Insights into Sentic Spaces Using Principal Paths. Cognitive Computation, 2019, 11, 656-675.	5.2	8
3341	MRI Reconstruction From Sparse K-Space Data Using Low Dimensional Manifold Model. IEEE Access, 2019, 7, 88072-88081.	4.2	11

#	ARTICLE	IF	CITATIONS
3342	Stochastic Gradient Descent for Spectral Embedding with Implicit Orthogonality Constraint. , 2019, , .		3
3343	Dimensionality Reduction for ECG Signals; Laplacian Eigenmaps and Locality Preserving Projections. , 2019, , .		1
3344	Improving Graph Trend Filtering with Non-convex Penalties. , 2019, , .		2
3345	Deep variational auto-encoder for text classification. , 2019, , .		4
3346	Domain Adaptation with Nonparametric Projections. , 2019, , .		0
3347	Nonlinear dimensionality reduction for the acoustic field measured by a linear sensor array. MATEC Web of Conferences, 2019, 283, 07009.	0.2	0
3348	Least Square Approach to Out-of-Sample Extensions of Diffusion Maps. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	1.3	0
3349	Neighbors-Based Graph Construction for Dimensionality Reduction. IEEE Access, 2019, 7, 138963-138971.	4.2	1
3350	Data Based Construction of Kernels for Semi-Supervised Learning With Less Labels. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	1.3	2
3351	Quantum mechanics and data assimilation. Physical Review E, 2019, 100, 032207.	2.1	6
3352	Integration of Principal Component Analysis and Recurrent Neural Network to Forecast the Stock Price of Casablanca Stock Exchange. Procedia Computer Science, 2019, 148, 55-61.	2.0	64
3353	Novel Pattern Recognition Using Bootstrap-Based Discriminant Locality-Preserving Projection and Its Application to Fault Diagnosis. Industrial & Engineering Chemistry Research, 2019, 58, 17906-17917.	3.7	13
3354	A network embedding-based multiple information integration method for the MiRNA-disease association prediction. BMC Bioinformatics, 2019, 20, 468.	2.6	62
3355	Recovering Hidden Components in Multimodal Data with Composite Diffusion Operators. SIAM Journal on Mathematics of Data Science, 2019, 1, 588-616.	1.8	15
3356	Design optimization of a scramjet under uncertainty using probabilistic learning on manifolds. Journal of Computational Physics, 2019, 399, 108930.	3.8	18
3357	Spatial-spectral local discriminant projection for dimensionality reduction of hyperspectral image. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 77-93.	11.1	17
3358	Learning to propagate labels on graphs: An iterative multitask regression framework for semi-supervised hyperspectral dimensionality reduction. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 158, 35-49.	11.1	124
3359	SVM-Based Feature Selection for Differential Space Fusion and Its Application to Diabetic Fundus Image Classification. IEEE Access, 2019, 7, 149493-149502.	4.2	8

#	ARTICLE	IF	CITATIONS
3360	Robust dimensionality reduction via feature space to feature space distance metric learning. Neural Networks, 2019, 112, 1-14.	5.9	66
3361	Robust PCANet on target recognition via the UAV optical vision system. Optik, 2019, 181, 588-597.	2.9	13
3362	Multi-Modal Medical Image Registration with Full or Partial Data: A Manifold Learning Approach. Journal of Imaging, 2019, 5, 5.	3.0	32
3363	2DRLPP: Robust two-dimensional locality preserving projection with regularization. Knowledge-Based Systems, 2019, 169, 53-66.	7.1	13
3364	An ELM based local topology preserving hashing. International Journal of Machine Learning and Cybernetics, 2019, 10, 2691-2708.	3.6	2
3365	Wavelet-Integrated Deep Networks for Single Image Super-Resolution. Electronics (Switzerland), 2019, 8, 553.	3.1	12
3366	Adaptive sparse graph learning based dimensionality reduction for classification. Applied Soft Computing Journal, 2019, 82, 105459.	7.2	8
3367	DIMAL: Deep Isometric Manifold Learning Using Sparse Geodesic Sampling. , 2019, , .		16
3368	Nonlinear Subspace Clustering via Adaptive Graph Regularized Autoencoder. IEEE Access, 2019, 7, 74122-74133.	4.2	15
3369	Clustering with t-SNE, Provably. SIAM Journal on Mathematics of Data Science, 2019, 1, 313-332.	1.8	130
3370	A general framework for scalable spectral clustering based on document models. Pattern Recognition Letters, 2019, 125, 488-493.	4.2	5
3371	Multi-View Temporal Ensemble for Classification of Non-Stationary Signals. IEEE Access, 2019, 7, 32482-32491.	4.2	13
3372	Intrinsic Dimensionality Estimation within Tight Localities. , 2019, , 181-189.		22
3373	Lifelong representation learning in dynamic attributed networks. Neurocomputing, 2019, 358, 1-9.	5.9	11
3374	Using Dimensionality Reduction to Analyze Protein Trajectories. Frontiers in Molecular Biosciences, 2019, 6, 46.	3.5	49
3375	A Review of Feature Reduction Methods for QSAR-Based Toxicity Prediction. Challenges and Advances in Computational Chemistry and Physics, 2019, , 119-139.	0.6	14
3376	MAMDA: Inferring microRNA-Disease associations with manifold alignment. Computers in Biology and Medicine, 2019, 110, 156-163.	7.0	7
3377	Manifold Regularization Graph Structure Auto-Encoder to Detect Loop Closure for Visual SLAM. IEEE Access, 2019, 7, 59524-59538.	4.2	13

#	ARTICLE	IF	CITATIONS
3378	Clustering With Orthogonal AutoEncoder. IEEE Access, 2019, 7, 62421-62432.	4.2	28
3379	An Exploration of Cross-Modal Retrieval for Unseen Concepts. Lecture Notes in Computer Science, 2019, , 20-35.	1.3	3
3380	Robust quaternion matrix completion with applications to image inpainting. Numerical Linear Algebra With Applications, 2019, 26, e2245.	1.6	64
3381	Graph-Regularized Discriminative Analysis-Synthesis Dictionary Pair Learning for Image Classification. IEEE Access, 2019, 7, 55398-55406.	4.2	10
3382	Spatiotemporal Pattern Extraction by Spectral Analysis of Vector-Valued Observables. Journal of Nonlinear Science, 2019, 29, 2385-2445.	2.1	11
3383	Robust Unsupervised Multi-View Feature Learning With Dynamic Graph. IEEE Access, 2019, 7, 72197-72209.	4.2	2
3384	Classification using link prediction. Neurocomputing, 2019, 359, 395-407.	5.9	11
3385	Graphlet Laplacians for topology-function and topology-disease relationships. Bioinformatics, 2019, 35, 5226-5234.	4.1	8
3386	Adversarial learning for multi-view network embedding on incomplete graphs. Knowledge-Based Systems, 2019, 180, 91-103.	7.1	6
3387	Supervised discriminative manifold learning with subsidiary-view information for near infrared spectroscopic classification of crop seeds. Pattern Recognition Letters, 2019, 125, 381-388.	4.2	4
3388	Introducing User-Prescribed Constraints in Markov Chains for Nonlinear Dimensionality Reduction. Neural Computation, 2019, 31, 980-997.	2.2	4
3389	Effective Dimensionality Reduction for Visualizing Neural Dynamics by Laplacian Eigenmaps. Neural Computation, 2019, 31, 1356-1379.	2.2	11
3391	Spherical Principal Component Analysis. , 2019, , 387-395.		6
3392	Production Analysis and Forecasting for Unconventional Reservoirs Using Laplacian Echo-State Networks. , 2019, , .		18
3394	Co-regularized multi-view sparse reconstruction embedding for dimension reduction. Neurocomputing, 2019, 347, 191-199.	5.9	16
3395	Design Automation Using Structural Graph Convolutional Neural Networks. , 2019, , 237-259.		1
3396	SINE: Side Information Network Embedding. Lecture Notes in Computer Science, 2019, , 692-708.	1.3	6
3397	Manifold regularized sparse representation of injected details for pansharpening. International Journal of Remote Sensing, 2019, 40, 8395-8417.	2.9	5

#	ARTICLE	IF	CITATIONS
3399	Dimensionality reduction by collaborative preserving Fisher discriminant analysis. Neurocomputing, 2019, 356, 228-243.	5.9	24
3400	Generalized Robust PCA: A New Distance Metric Method for Underwater Target Recognition. IEEE Access, 2019, 7, 51952-51964.	4.2	9
3401	Discriminative Sparsity Graph Embedding for Unconstrained Face Recognition. Electronics (Switzerland), 2019, 8, 503.	3.1	4
3402	Delay-Coordinate Maps and the Spectra of Koopman Operators. Journal of Statistical Physics, 2019, 175, 1107-1145.	1.2	49
3403	Quantitative analysis of financial system fragility based on manifold curvature. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 1276-1285.	2.6	2
3404	Feature Selective Projection with Low-Rank Embedding and Dual Laplacian Regularization. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	58
3405	To Embed or Not: Network Embedding as a Paradigm in Computational Biology. Frontiers in Genetics, 2019, 10, 381.	2.3	123
3406	A unified definition and computation of Laplacian spectral distances. Pattern Recognition, 2019, 93, 68-78.	8.1	1
3407	Sparsification of long range force networks for molecular dynamics simulations. PLoS ONE, 2019, 14, e0213262.	2.5	1
3408	Local binary pattern-based discriminant graph construction for dimensionality reduction with application to face recognition. Multimedia Tools and Applications, 2019, 78, 22445-22462.	3.9	2
3409	WDLReconNet: Compressive Sensing Reconstruction With Deep Learning Over Wireless Fading Channels. IEEE Access, 2019, 7, 24440-24451.	4.2	8
3410	NEAR: Normalized Network Embedding with Autoencoder for Top-K Item Recommendation. Lecture Notes in Computer Science, 2019, , 15-26.	1.3	0
3411	Multivariate visualization of particle data. European Physical Journal: Special Topics, 2019, 227, 1741-1755.	2.6	3
3412	Prediction models for network-linked data. Annals of Applied Statistics, 2019, 13, .	1.1	18
3413	Insight About Nonlinear Dimensionality Reduction Methods Applied to Protein Molecular Dynamics. Lecture Notes in Computer Science, 2019, , 219-230.	1.3	0
3414	Enhanced two-phase residual network for single image super-resolution. Journal of Visual Communication and Image Representation, 2019, 61, 188-197.	2.8	3
3415	Graph Clustering Based on Attribute-Aware Graph Embedding. Lecture Notes in Social Networks, 2019, , 109-131.	0.1	7
3416	Flexible non-greedy discriminant subspace feature extraction. Neural Networks, 2019, 116, 166-177.	5.9	5

#	ARTICLE	IF	CITATIONS
3417	Robust Face Recognition Based on a New Supervised Kernel Subspace Learning Method. Sensors, 2019, 19, 1643.	3.8	8
3418	Robust subspace clustering for image data using clean dictionary estimation and group lasso based matrix completion. Journal of Visual Communication and Image Representation, 2019, 61, 303-314.	2.8	3
3419	Latent graph-regularized inductive robust principal component analysis. Knowledge-Based Systems, 2019, 177, 68-81.	7.1	5
3420	Direct automated quantitative measurement of spine by cascade amplifier regression network with manifold regularization. Medical Image Analysis, 2019, 55, 103-115.	11.6	36
3421	Combined FATEMD-based band selection method for hyperspectral images. IET Image Processing, 2019, 13, 287-298.	2.5	1
3422	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.	2.9	4
3423	Hyperspectral Image Classification Using Similarity Measurements-Based Deep Recurrent Neural Networks. Remote Sensing, 2019, 11, 194.	4.0	38
3424	Discriminative multi-source adaptation multi-feature co-regression for visual classification. Neural Networks, 2019, 114, 96-118.	5.9	9
3425	Enhancing Deep Learning with Visual Interactions. ACM Transactions on Interactive Intelligent Systems, 2019, 9, 1-27.	3.7	2
3426	Structure regularized sparse coding for data representation. Knowledge-Based Systems, 2019, 174, 87-102.	7.1	5
3427	Sampling and multilevel coarsening algorithms for fast matrix approximations. Numerical Linear Algebra With Applications, 2019, 26, e2234.	1.6	5
3428	Improved process monitoring based on global-local manifold analysis and statistical local approach for industrial process. Journal of Process Control, 2019, 75, 107-119.	3.3	13
3429	Flexible unsupervised feature extraction for image classification. Neural Networks, 2019, 115, 65-71.	5.9	38
3430	Process Monitoring Based on Orthogonal Locality Preserving Projection with Maximum Likelihood Estimation. Industrial & Engineering Chemistry Research, 2019, 58, 5579-5587.	3.7	11
3431	Principal component analysis with tensor train subspace. Pattern Recognition Letters, 2019, 122, 86-91.	4.2	9
3432	Fast SRC using quadratic optimisation in downsized coefficient solution subspace. Signal Processing, 2019, 161, 101-110.	3.7	5
3433	Efficient Large Margin-Based Feature Extraction. Neural Processing Letters, 2019, 50, 1257-1279.	3.2	4
3434	A regularized approach for supervised multi-view multi-manifold learning from unlabeled data. Applied Intelligence, 2019, 49, 3173-3187.	5.3	2

#	ARTICLE	IF	CITATIONS
3435	Guided graph spectral embedding: Application to the <i>C. elegans</i> connectome. <i>Network Neuroscience</i> , 2019, 3, 807-826.	2.6	11
3436	Weighted Neighborhood Preserving Ensemble Embedding. <i>Electronics (Switzerland)</i> , 2019, 8, 219.	3.1	8
3437	Iteration on single vector for extracting two extremal eigenpairs of symmetric matrices. <i>Neurocomputing</i> , 2019, 332, 129-136.	5.9	0
3439	Single sample face recognition via BoF using multistage KNN collaborative coding. <i>Multimedia Tools and Applications</i> , 2019, 78, 13297-13311.	3.9	9
3440	A General Approach for Achieving Supervised Subspace Learning in Sparse Representation. <i>IEEE Access</i> , 2019, 7, 74017-74028.	4.2	1
3442	A regularized point-to-manifold distance metric for multi-view multi-manifold learning. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 82, 85-95.	8.1	3
3443	A manifold learning approach to dimensionality reduction for modeling data. <i>Information Sciences</i> , 2019, 491, 16-29.	6.9	24
3444	SLIC Superpixel-Based $\ell_{2,1}$ -Norm Robust Principal Component Analysis for Hyperspectral Image Classification. <i>Sensors</i> , 2019, 19, 479.	3.8	12
3445	Constrained matrix factorization for semi-weakly learning with label proportions. <i>Pattern Recognition</i> , 2019, 91, 13-24.	8.1	12
3446	Hyperspectral image unsupervised classification by robust manifold matrix factorization. <i>Information Sciences</i> , 2019, 485, 154-169.	6.9	204
3447	Learning binary codes with neural collaborative filtering for efficient recommendation systems. <i>Knowledge-Based Systems</i> , 2019, 172, 64-75.	7.1	69
3448	A Sparse Corruption Non-Negative Matrix Factorization method and application in face image processing & recognition. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 136, 429-437.	5.0	10
3449	Visualisation and Modelling of High-Dimensional Cancerous Gene Expression Dataset. <i>Journal of Information and Knowledge Management</i> , 2019, 18, 1950001.	1.1	12
3450	Sparse Low-Rank Preserving Projection for Dimensionality Reduction. <i>IEEE Access</i> , 2019, 7, 22941-22951.	4.2	13
3451	Hyperspectral anomaly detection based on anomalous component extraction framework. <i>Infrared Physics and Technology</i> , 2019, 96, 340-350.	2.9	6
3452	A nonlinear and explicit framework of supervised manifold-feature extraction for hyperspectral image classification. <i>Neurocomputing</i> , 2019, 337, 315-324.	5.9	28
3453	Multiple Marginal Fisher Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 9798-9807.	7.9	38
3454	Nonlinear Dimensionality Reduction for Discriminative Analytics of Multiple Datasets. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 740-752.	5.3	16

#	ARTICLE	IF	CITATIONS
3455	Local and Global Randomized Principal Component Analysis for Nonlinear Process Monitoring. IEEE Access, 2019, 7, 25547-25562.	4.2	13
3456	Network embedding by fusing multimodal contents and links. Knowledge-Based Systems, 2019, 171, 44-55.	7.1	16
3457	Gaussian Process Landmarking on Manifolds. SIAM Journal on Mathematics of Data Science, 2019, 1, 208-236.	1.8	17
3458	Gaussian Process Landmarking for Three-Dimensional Geometric Morphometrics. SIAM Journal on Mathematics of Data Science, 2019, 1, 237-267.	1.8	15
3459	Manifold Smoothed Class-specific Discriminant Collaborative Representation for Face Recognition. , 2019, , .		1
3460	Semi-supervised dimensionality reduction based on local estimation error. International Journal of High Performance Computing and Networking, 2019, 14, 69.	0.4	1
3461	Fault Detection Based on Modified t-SNE. , 2019, , .		2
3462	Graph embedded discriminant analysis for the extraction of features in hyperspectral images. International Journal of Advanced Intelligence Paradigms, 2019, 14, 215.	0.3	0
3463	Neural Method for Explicit Mapping of Weighted Locally Linear Embedding in Image Retrieval. , 2019, , .		0
3464	Dynamic Laplacian eigenmaps for process monitoring. , 2019, , .		0
3465	Analysis of Feature Extraction Methods for Prediction of 30-Day Hospital Readmissions. Methods of Information in Medicine, 2019, 58, 213-221.	1.2	3
3466	Data-Driven Deconvolution Using Echo-State Networks Enhances Production Data Analysis in Unconventional Reservoirs. , 2019, , .		10
3467	Connecting dots: from local covariance to empirical intrinsic geometry and locally linear embedding. Pure and Applied Analysis, 2019, 1, 515-542.	1.1	7
3468	Three-Dimensional Unsharp Masking Spatial Filter of a Field of Vectors for Geometrical Edges Magnitude and Direction Detection in Point Cloud Surfaces. , 2019, , .		1
3469	k-NN Sampling for Visualization of Dynamic Data Using LION-tSNE. , 2019, , .		4
3470	Local Convex Representation with Pruning for Manifold Clustering. , 2019, , .		1
3471	Recurrent Neural Networks applied to Forecasting of Speed of Freight Transport in Dense Areas of Santiago, Chile. , 2019, , .		1
3472	Study of Gear Pump/Motor Efficiency for Variable-Speed Pump-Controlled-Motor System. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
3473	Research on Anti-Interference Control Technology of Satellite Communication Confidential Signal Transmission. , 2019, , .		0
3474	The Non-Invasive Cardiodiagnosis on a Basis of Computer Processing in Phase Space of Electrography Signals. , 2019, , .		2
3475	Structural and input reduction in a ESN for robotic navigation tasks. , 2019, , .		1
3476	Multiscale Geometric Data Analysis via Laplacian Eigenvector Cascading. , 2019, , .		0
3477	Structural Network Embedding using Multi-modal Deep Auto-encoders for Predicting Drug-drug Interactions. , 2019, , .		21
3479	Robust Decision-making Model for Electricity Retailers Considering Incentive-based Demand Response. , 2019, , .		4
3480	Deep Clustering by Gaussian Mixture Variational Autoencoders With Graph Embedding. , 2019, , .		59
3481	Integrating Local Vertex/Edge Embedding via Deep Matrix Fusion and Siamese Multi-label Classification. , 2019, , .		9
3482	Automated Resume Evaluation System using NLP. , 2019, , .		5
3483	A New Analytical Inverse Kinematics Model for Seven Degrees of Freedom Redundant Manipulators. , 2019, , .		1
3484	Predicting Alzheimer's Disease by Hierarchical Graph Convolution from Positron Emission Tomography Imaging. , 2019, , .		23
3485	On Load Balancing in Millimeter Wave HetNets with Integrated Access and Backhaul. , 2019, , .		5
3486	SHML: Stochastic Hybrid Modeling Language for CPS Behavior. , 2019, , .		2
3487	Unsupervised Dimension Reduction Using Supervised Orthogonal Discriminant Projection for Clustering. , 2019, , .		1
3488	Edge Computing Platform Management: Design for F2C and F2F for Small Businesses to Reduce Costs. , 2019, , .		4
3489	Random Diffusion Representations. , 2019, , .		0
3490	A comparison of manifold regularization approaches for kernel-based system identification. IFAC-PapersOnLine, 2019, 52, 180-185.	0.9	4
3491	A multi-channel cybersecurity news and threat intelligent engine - SecBuzzer. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
3492	Internet of Things for Indoor Air Quality Measurements. , 2019, , .		1
3494	Metagenomic Insights on the Role of Gut Microbiota in Type-2 Diabetes. , 2019, , .		0
3495	E-Commerce: Stock Market Analysis Blended With Mining and Ann. , 2019, , .		0
3496	Neural Networks Based Interaction Matrix Approximation for IBVS Applications. , 2019, , .		0
3497	Unsupervised fault diagnosis method based on iterative multi-manifold spectral clustering. IET Collaborative Intelligent Manufacturing, 2019, 1, 48-55.	3.3	18
3498	Feature extraction and classification for spoken letter recognition using locality preserving partial least squares discriminant analysis. AIP Conference Proceedings, 2019, , .	0.4	0
3499	Design and Implementation of 5.8 GHz LC Bandpass Filter in 0.18 Åµm HR-SOI Technology. , 2019, , .		0
3500	IEEE Cloud Summit 2019 Organizing Committee. , 2019, , .		0
3501	Three-Dimensional Laplacian Spatial Filter of a Field of Vectors for Geometrical Edges Magnitude and Direction Detection in Point Cloud Surfaces. , 2019, , .		2
3502	A Decoder-Free Approach for Unsupervised Clustering and Manifold Learning with Random Triplet Mining. , 2019, , .		5
3503	Spectral Clustering Analysis of CAD Model Based on Multi-Feature Fusion. , 2019, , .		0
3504	Three-Dimensional Gradient-Based Laplacian Spatial Filter of a Field of Vectors for Geometrical Edges Magnitude Detection in Point Cloud Surfaces. , 2019, , .		6
3505	Unsupervised learning of wildlife behaviour for activity-driven opportunistic beacon networks. , 2019, , .		1
3506	Improved Wheeler Cap Microstrip Antenna Efficiency Measurement Based on 3D Printing. , 2019, , .		0
3507	Optimization Design and Reliability Analysis of Remanufacturing Coating Structure for Eccentric Shaft. , 2019, , .		0
3508	Supervised Contrastive Embeddings for Binaural Source Localization. , 2019, , .		3
3509	The Influence of Hubness on NN-Descent. International Journal on Artificial Intelligence Tools, 2019, 28, 1960002.	1.0	5
3510	Community Detection based on Autoencoder Reconstruction Similarity Matrix. Journal of Physics: Conference Series, 2019, 1345, 032055.	0.4	2

#	ARTICLE	IF	CITATIONS
3511	Metapath Enhanced Graph Attention Encoder for HINs Representation Learning. , 2019, , .		6
3512	Representation Learning in Heterogeneous Professional Social Networks with Ambiguous Social Connections. , 2019, , .		5
3513	The Dilemma and Outlet of Social Governance from the Perspective of Network Security. , 2019, , .		0
3514	On the Intrinsic Dimensionality of Image Representations. , 2019, , .		26
3515	A Review on Application of ANN and Machine Learning Algorithm for the Optimal Placement of STATCOM. , 2019, , .		5
3516	Side Window Filtering. , 2019, , .		73
3517	Dynamic Graph Embedding via LSTM History Tracking. , 2019, , .		8
3518	A Detailed Analysis of Big Data Analytics Challenges and Opportunities. , 2019, , .		0
3519	Exploring Digital Cultural Heritage beyond MOOCs: Design, Use, and Efficiency of Generous Interfaces. , 2019, , .		3
3520	OREOS: Oriented Recognition of 3D Point Clouds in Outdoor Scenarios. , 2019, , .		34
3521	Sensor Selection Optimization with Genetic Algorithms. , 2019, , .		6
3522	Optimal Dispatch of an Integrated Energy System Considering Carbon Trading and Flexible Loads. , 2019, , .		2
3523	Smart Lighting in Corridor Using Particle Swarm Optimization. , 2019, , .		4
3524	ManiNetCluster: a novel manifold learning approach to reveal the functional links between gene networks. BMC Genomics, 2019, 20, 1003.	2.8	26
3525	Rotating Machinery Fault Diagnosis Based on Manifold Learning using Semi-supervised Local Linear Embedding. , 2019, , .		2
3526	Locally Convex Kernel Mixtures: Bayesian Subspace Learning. , 2019, , .		0
3527	Mining Strengths and Weaknesses of Cricket Players Using Short Text Commentary. , 2019, , .		5
3528	Machine Learning-Based Embedding for Discontinuous Time Series Machine Data. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
3529	An Improved Watershed Algorithm Based on k-Medoids in Cervical Cancer Images. , 2019, , .		1
3530	Design of a Network Coding Concurrent Multipath Transmission Algorithm in Complex Mobile Environment. , 2019, , .		4
3531	Attributed Network Embedding via a Siamese Neural Network. , 2019, , .		0
3532	RNC: Reliable Network Property Classifier Based on Graph Embedding. , 2019, , .		0
3533	Hierarchical Semantic Correspondence Analysis on Feature Classes between Two Geospatial Datasets Using a Graph Embedding Method. ISPRS International Journal of Geo-Information, 2019, 8, 479.	2.9	1
3534	A new feature selection method based on symmetrical uncertainty and interaction gain. Computational Biology and Chemistry, 2019, 83, 107149.	2.3	20
3535	Attributed network representation learning via DeepWalk. Intelligent Data Analysis, 2019, 23, 877-893.	0.9	7
3536	Numerical Development and Evaluation of an Energy Conserving Conceptual Stochastic Climate Model. Mathematics of Climate and Weather Forecasting, 2019, 5, 45-64.	0.8	8
3537	Notice of Retraction: Interpretable Facial Semantic Extractor Based on Axiomatic Fuzzy Set. IEEE Access, 2019, 7, 164294-164303.	4.2	1
3538	Testing the Robustness of Manifold Learning on Examples of Thinned-Out Data. , 2019, , .		1
3539	Detection and Inspection Planning for Ship Propeller Blades via Spectral Shape Analysis. IFAC-PapersOnLine, 2019, 52, 154-159.	0.9	1
3540	An Incremental Self-Adaptive Wood Species Classification Prototype System. Journal of Spectroscopy, 2019, 2019, 1-11.	1.3	1
3541	Multi-cancer samples clustering via graph regularized low-rank representation method under sparse and symmetric constraints. BMC Bioinformatics, 2019, 20, 718.	2.6	7
3542	On spectral embeddings for supervised binaural source localization. , 2019, , .		2
3543	Smooth Deep Network Embedding. , 2019, , .		1
3544	Machine learning in acoustics: Theory and applications. Journal of the Acoustical Society of America, 2019, 146, 3590-3628.	1.1	306
3545	Inverse Regression for Extraction of Tumor Site from Cancer Pathology Reports. , 2019, , .		0
3546	Gravity-Inspired Graph Autoencoders for Directed Link Prediction. , 2019, , .		48

#	ARTICLE	IF	CITATIONS
3547	Absorbing Diagonal Algorithm: an Eigensolver of $O(n^{2.584963} \log \frac{1}{\epsilon})$ Complexity at Precision $\hat{\mu}$. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	0
3548	Deep Graph Similarity Learning for Brain Data Analysis. , 2019, , .		28
3549	Decoding crystallography from high-resolution electron imaging and diffraction datasets with deep learning. Science Advances, 2019, 5, eaaw1949.	10.3	81
3550	Patch-Based and Tensor-Patch-Based Dimension Reduction Methods for Hyperspectral Images. , 2019, , .		1
3551	Locality Sensitive Discriminative Unsupervised Dimensionality Reduction. Symmetry, 2019, 11, 1036.	2.2	5
3552	Low-rank graph optimization for multi-view dimensionality reduction. PLoS ONE, 2019, 14, e0225987.	2.5	5
3553	An Adaptive Affinity Matrix Optimization for Locality Preserving Projection via Heuristic Methods for Hyperspectral Image Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4690-4697.	4.9	7
3554	A New Spectral Clustering Based on Particle Swarm Optimization for Unsupervised Fault Diagnosis of Bearings. , 2019, , .		3
3555	6. Dimensionalitätsreduktion. , 2019, , 119-164.		0
3556	Gaussian Process Graph-Based Discriminant Analysis for Hyperspectral Images Classification. Remote Sensing, 2019, 11, 2288.	4.0	5
3557	Dimension Estimation and Topological Manifold Learning. , 2019, , .		5
3559	Noise-Aware Network Embedding for Multiplex Network. , 2019, , .		3
3560	Dimensionality Reduction via Locality Constrained Competitive Sparse Representation by L2-Norm Regularization. , 2019, , .		1
3561	High-dimensional multimedia classification using deep CNN and extended residual units. Multimedia Tools and Applications, 2019, 78, 23867-23882.	3.9	21
3562	Spectral clustering via sparse graph structure learning with application to proteomic signaling networks in cancer. Computational Statistics and Data Analysis, 2019, 132, 46-69.	1.2	6
3563	Structured Manifold Broad Learning System: A Manifold Perspective for Large-Scale Chaotic Time Series Analysis and Prediction. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1809-1821.	5.7	84
3564	Multimodal image registration using Laplacian commutators. Information Fusion, 2019, 49, 130-145.	19.1	26
3565	Principals about principal components in statistical genetics. Briefings in Bioinformatics, 2019, 20, 2200-2216.	6.5	24

#	ARTICLE	IF	CITATIONS
3566	When collaborative representation meets subspace projection: A novel supervised framework of graph construction augmented by anti-collaborative representation. <i>Neurocomputing</i> , 2019, 328, 157-170.	5.9	7
3567	Classification of inter-ictal and ictal EEGs using multi-basis MODWPT, dimensionality reduction algorithms and LS-SVM: A comparative study. <i>Biomedical Signal Processing and Control</i> , 2019, 47, 240-251.	5.7	37
3568	Human action recognition based on the Grassmann multi-graph embedding. <i>Signal, Image and Video Processing</i> , 2019, 13, 271-279.	2.7	12
3569	Quality-Relevant Fault Monitoring Based on Locally Linear Embedding Orthogonal Projection to Latent Structure. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1262-1272.	3.7	30
3570	Clustering Multi-View Data Using Non-negative Matrix Factorization and Manifold Learning for Effective Understanding: A Survey Paper. <i>Unsupervised and Semi-supervised Learning</i> , 2019, , 201-227.	0.5	7
3571	Persistence barcodes and Laplace eigenfunctions on surfaces. <i>Geometriae Dedicata</i> , 2019, 201, 111-138.	0.3	3
3572	Informatics tools to assess the success of procedural harmonization in preclinical multicenter biomarker discovery study on post-traumatic epileptogenesis. <i>Epilepsy Research</i> , 2019, 150, 17-26.	1.6	5
3573	Insula Functional Connectivity in Schizophrenia: Subregions, Gradients, and Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 399-408.	1.5	35
3574	A survey on Laplacian eigenmaps based manifold learning methods. <i>Neurocomputing</i> , 2019, 335, 336-351.	5.9	39
3575	A preliminary geometric structure simplification for Principal Component Analysis. <i>Neurocomputing</i> , 2019, 336, 46-55.	5.9	0
3576	Dynamic topology and relevance learning SOM-based algorithm for image clustering tasks. <i>Computer Vision and Image Understanding</i> , 2019, 179, 19-30.	4.7	24
3577	A data-driven metric learning-based scheme for unsupervised network anomaly detection. <i>Computers and Electrical Engineering</i> , 2019, 73, 71-83.	4.8	17
3578	Dimensionality Reduction Techniques for Visualizing Morphometric Data: Comparing Principal Component Analysis to Nonlinear Methods. <i>Evolutionary Biology</i> , 2019, 46, 106-121.	1.1	14
3579	Laplacian regularized low-rank representation for cancer samples clustering. <i>Computational Biology and Chemistry</i> , 2019, 78, 504-509.	2.3	9
3580	Data-based analysis of Laplacian Eigenmaps for manifold reduction in supervised Liquid State classifiers. <i>Information Sciences</i> , 2019, 478, 28-39.	6.9	12
3581	A multilinear collaborative representation preserving projections method for feature extraction. <i>Journal of Computational Science</i> , 2019, 30, 48-54.	2.9	1
3582	Feature Classification Based on Manifold Dimension Reduction for Night-Vision Images. , 2019, , 87-125.		0
3583	Optimal Landmark Point Selection Using Clustering for Manifold Modeling and Data Classification. <i>Journal of Classification</i> , 2019, 36, 94-112.	2.2	3

#	ARTICLE	IF	CITATIONS
3584	Recent Advances in Supervised Dimension Reduction: A Survey. Machine Learning and Knowledge Extraction, 2019, 1, 341-358.	5.0	72
3585	Data-Driven Representative Day Selection for Investment Decisions: A Cost-Oriented Approach. IEEE Transactions on Power Systems, 2019, 34, 2925-2936.	6.5	40
3586	Dual Hypergraph Regularized PCA for Biclustering of Tumor Gene Expression Data. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 2292-2303.	5.7	8
3587	A Multi-Step Nonlinear Dimension-Reduction Approach with Applications to Big Data. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 2249-2261.	5.7	9
3588	Unsupervised feature extraction by low-rank and sparsity preserving embedding. Neural Networks, 2019, 109, 56-66.	5.9	30
3589	Latent multi-feature co-regression for visual recognition by discriminatively leveraging multi-source models. Pattern Recognition, 2019, 87, 296-316.	8.1	10
3590	Unsupervised Nonnegative Adaptive Feature Extraction for Data Representation. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 2423-2440.	5.7	39
3591	Neuroimaging Retrieval via Adaptive Ensemble Manifold Learning for Brain Disease Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1661-1673.	6.3	14
3592	A deep discriminative and robust nonnegative matrix factorization network method with soft label constraint. Neural Computing and Applications, 2019, 31, 7447-7475.	5.6	12
3593	Nonrigid Point Set Registration With Robust Transformation Learning Under Manifold Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3584-3597.	11.3	108
3594	Feature extraction based on graph discriminant embedding and its applications to face recognition. Soft Computing, 2019, 23, 7015-7028.	3.6	9
3595	Color perception algorithm of medical images using density peak based hierarchical clustering. Biomedical Signal Processing and Control, 2019, 48, 69-79.	5.7	9
3596	Action Recognition Using Multiple Pooling Strategies of CNN Features. Neural Processing Letters, 2019, 50, 379-396.	3.2	9
3597	Nonlinear supervised dimensionality reduction via smooth regular embeddings. Pattern Recognition, 2019, 87, 55-66.	8.1	20
3598	Persistence Atlas for Critical Point Variability in Ensembles. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1152-1162.	4.4	23
3599	Unsupervised Clustering and Active Learning of Hyperspectral Images With Nonlinear Diffusion. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1829-1845.	6.3	56
3600	A nonlinear dimensionality reduction framework using smooth geodesics. Pattern Recognition, 2019, 87, 226-236.	8.1	19
3602	Retinal vessel optical coherence tomography images for anemia screening. Medical and Biological Engineering and Computing, 2019, 57, 953-966.	2.8	21

#	ARTICLE	IF	CITATIONS
3603	Mahalanobis distance informed by clustering. Information and Inference, 2019, 8, 377-406.	1.6	4
3604	Transformation from Graphs to Signals and Back. Signals and Communication Technology, 2019, , 111-139.	0.5	1
3605	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.	2.8	12
3606	Graph Signal Processing-Based Network Health Estimation for Next Generation Wireless Systems. IEEE Communications Letters, 2019, 23, 104-107.	4.1	2
3607	Unsupervised feature selection based on kernel fisher discriminant analysis and regression learning. Machine Learning, 2019, 108, 659-686.	5.4	16
3608	Resting state dynamics meets anatomical structure: Temporal multiple kernel learning (tmKL) model. NeuroImage, 2019, 184, 609-620.	4.2	19
3609	Kernel Cuts: Kernel and Spectral Clustering Meet Regularization. International Journal of Computer Vision, 2019, 127, 477-511.	15.6	28
3610	User behavior prediction via heterogeneous information preserving network embedding. Future Generation Computer Systems, 2019, 92, 52-58.	7.5	11
3611	Landmark diffusion maps (L-dMaps): Accelerated manifold learning out-of-sample extension. Applied and Computational Harmonic Analysis, 2019, 47, 190-211.	2.2	25
3612	Data-driven spectral decomposition and forecasting of ergodic dynamical systems. Applied and Computational Harmonic Analysis, 2019, 47, 338-396.	2.2	89
3613	Diffusion nets. Applied and Computational Harmonic Analysis, 2019, 47, 259-285.	2.2	23
3614	Angle-based embedding quality assessment method for manifold learning. Neural Computing and Applications, 2019, 31, 839-849.	5.6	3
3615	An efficient traffic sign recognition based on graph embedding features. Neural Computing and Applications, 2019, 31, 395-407.	5.6	25
3616	Towards semantic segmentation of orthophoto images using graph-based community identification. Neural Computing and Applications, 2019, 31, 1155-1163.	5.6	1
3617	Polynomial Kernel Discriminant Analysis for 2D visualization of classification problems. Neural Computing and Applications, 2019, 31, 3515-3531.	5.6	6
3618	Facial semantic representation for ethnical Chinese minorities based on geometric similarity. International Journal of Machine Learning and Cybernetics, 2019, 10, 463-483.	3.6	1
3619	Label Space Embedding of Manifold Alignment for Domain Adaption. Neural Processing Letters, 2019, 49, 375-391.	3.2	4
3620	Low-Rank 2-D Neighborhood Preserving Projection for Enhanced Robust Image Representation. IEEE Transactions on Cybernetics, 2019, 49, 1859-1872.	9.5	47

#	ARTICLE	IF	CITATIONS
3621	Semi-supervised rough fuzzy Laplacian Eigenmaps for dimensionality reduction. International Journal of Machine Learning and Cybernetics, 2019, 10, 397-411.	3.6	13
3622	Alternating diffusion maps for multimodal data fusion. Information Fusion, 2019, 45, 346-360.	19.1	22
3623	Adaptive graph orthogonal discriminant embedding: an improved graph embedding method. Neural Computing and Applications, 2019, 31, 5461-5476.	5.6	2
3624	Latent common manifold learning with alternating diffusion: Analysis and applications. Applied and Computational Harmonic Analysis, 2019, 47, 848-892.	2.2	17
3625	\mathcal{R}_1 -2-DPCA and Face Recognition. IEEE Transactions on Cybernetics, 2019, 49, 1212-1223.	9.5	44
3626	Image Representation and Learning With Graph-Laplacian Tucker Tensor Decomposition. IEEE Transactions on Cybernetics, 2019, 49, 1417-1426.	9.5	38
3627	Modeling Spread of Preferences in Social Networks for Sampling-Based Preference Aggregation. IEEE Transactions on Network Science and Engineering, 2019, 6, 46-59.	6.4	4
3628	Sparse two-dimensional discriminant locality-preserving projection (S2DDLPP) for feature extraction. Soft Computing, 2019, 23, 5511-5518.	3.6	13
3629	Discriminative K-Means Laplacian Clustering. Neural Processing Letters, 2019, 49, 393-405.	3.2	20
3630	Feature Learning Using Spatial-Spectral Hypergraph Discriminant Analysis for Hyperspectral Image. IEEE Transactions on Cybernetics, 2019, 49, 2406-2419.	9.5	254
3631	Online Data Thinning via Multi-Subspace Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1173-1187.	13.9	5
3632	User-centered recommendation using US-ELM based on dynamic graph model in E-commerce. International Journal of Machine Learning and Cybernetics, 2019, 10, 693-703.	3.6	14
3633	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.	6.8	52
3634	Sparsity Regularization Discriminant Projection for Feature Extraction. Neural Processing Letters, 2019, 49, 539-553.	3.2	8
3635	Supergraph Search in Graph Databases via Hierarchical Feature-Tree. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 385-400.	5.7	6
3636	Multitask Protein Function Prediction through Task Dissimilarity. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1550-1560.	3.0	15
3637	Clustering and Integrating of Heterogeneous Microbiome Data by Joint Symmetric Nonnegative Matrix Factorization with Laplacian Regularization. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 788-795.	3.0	13
3638	Deep Inductive Graph Representation Learning. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 438-452.	5.7	41

#	ARTICLE	IF	CITATIONS
3639	Machine Learning and Imaging Informatics in Oncology. Oncology, 2020, 98, 344-362.	1.9	40
3640	TLVANE: a two-level variation model for attributed network embedding. Neural Computing and Applications, 2020, 32, 4835-4847.	5.6	1
3641	From Distance Correlation to Multiscale Graph Correlation. Journal of the American Statistical Association, 2020, 115, 280-291.	3.1	30
3642	A review on graph-based semi-supervised learning methods for hyperspectral image classification. Egyptian Journal of Remote Sensing and Space Science, 2020, 23, 243-248.	2.0	49
3643	Intelligent active fault-tolerant system for multi-source integrated navigation system based on deep neural network. Neural Computing and Applications, 2020, 32, 16857-16874.	5.6	12
3644	Weighted Manifold Alignment using Wave Kernel Signatures for Aligning Medical Image Datasets. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 988-997.	13.9	6
3645	Multiview Hybrid Embedding: A Divide-and-Conquer Approach. IEEE Transactions on Cybernetics, 2020, 50, 3640-3653.	9.5	13
3646	Semi-Supervised Learning with Auto-Weighting Feature and Adaptive Graph. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1167-1178.	5.7	23
3647	Multi-Manifold Positive and Unlabeled Learning for Visual Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1396-1409.	8.3	17
3648	Spectral ranking and unsupervised feature selection for point, collective, and contextual anomaly detection. International Journal of Data Science and Analytics, 2020, 9, 57-75.	4.1	7
3649	Collaborative representation-based discriminant neighborhood projections for face recognition. Neural Computing and Applications, 2020, 32, 5815-5832.	5.6	21
3650	Multi-view kernel consensus for data analysis. Applied and Computational Harmonic Analysis, 2020, 49, 208-228.	2.2	7
3651	Certifying Global Optimality of Graph Cuts via Semidefinite Relaxation: A Performance Guarantee for Spectral Clustering. Foundations of Computational Mathematics, 2020, 20, 367-421.	2.5	6
3652	Strength and stability studies of ring-stiffened circular cylindrical shells using self-organising maps (SOM) and data mining analysis. Journal of Marine Engineering and Technology, 2020, 19, 24-39.	4.1	3
3653	Equivalence of L_p diffusion approximation and a function's diffusion smoothness. Semigroup Forum, 2020, 100, 837-849.	0.6	2
3654	Spatial Pyramid-Enhanced NetVLAD With Weighted Triplet Loss for Place Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 661-674.	11.3	229
3655	Theoretical guarantees for graph sparse coding. Applied and Computational Harmonic Analysis, 2020, 49, 698-725.	2.2	4
3656	Functional Parcellation of Human Brain Precuneus Using Density-Based Clustering. Cerebral Cortex, 2020, 30, 269-282.	2.9	37

#	ARTICLE	IF	CITATIONS
3657	Membership Affinity Lasso for Fuzzy Clustering. IEEE Transactions on Fuzzy Systems, 2020, 28, 294-307.	9.8	30
3658	Adaptive graph-regularized fixed rank representation for subspace segmentation. Pattern Analysis and Applications, 2020, 23, 443-453.	4.6	2
3659	Diffusion maps tailored to arbitrary non-degenerate Itô processes. Applied and Computational Harmonic Analysis, 2020, 48, 242-265.	2.2	11
3660	Deep Manifold Preserving Autoencoder for Classifying Breast Cancer Histopathological Images. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 91-101.	3.0	52
3661	Locality preserving projection least squares twin support vector machine for pattern classification. Pattern Analysis and Applications, 2020, 23, 1-13.	4.6	11
3662	Embedded conformal deep low-rank auto-encoder network for matrix recovery. Pattern Recognition Letters, 2020, 132, 38-45.	4.2	3
3663	A semi-supervised model for knowledge graph embedding. Data Mining and Knowledge Discovery, 2020, 34, 1-20.	3.7	12
3664	Sparse-Adaptive Hypergraph Discriminant Analysis for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1082-1086.	3.1	133
3665	Multi-view laplacian eigenmaps based on bag-of-neighbors for RGB-D human emotion recognition. Information Sciences, 2020, 509, 243-256.	6.9	16
3666	Classifier and Exemplar Synthesis for Zero-Shot Learning. International Journal of Computer Vision, 2020, 128, 166-201.	15.6	32
3667	Discriminative globality-locality preserving extreme learning machine for image classification. Neurocomputing, 2020, 387, 13-21.	5.9	6
3668	Ensemble extreme learning machines for compound-fault diagnosis of rotating machinery. Knowledge-Based Systems, 2020, 188, 105012.	7.1	55
3669	Multi-view reconstructive preserving embedding for dimension reduction. Soft Computing, 2020, 24, 7769-7780.	3.6	2
3670	Error Estimates for Spectral Convergence of the Graph Laplacian on Random Geometric Graphs Toward the Laplace-Beltrami Operator. Foundations of Computational Mathematics, 2020, 20, 827-887.	2.5	54
3671	Toward graph-based semi-supervised face beauty prediction. Expert Systems With Applications, 2020, 142, 112990.	7.6	19
3672	Multi-view diffusion maps. Information Fusion, 2020, 55, 127-149.	19.1	22
3673	Diffusion maps-based surrogate modeling: An alternative machine learning approach. International Journal for Numerical Methods in Engineering, 2020, 121, 602-620.	2.8	12
3674	A generalized least-squares approach regularized with graph embedding for dimensionality reduction. Pattern Recognition, 2020, 98, 107023.	8.1	39

#	ARTICLE	IF	CITATIONS
3675	Graph Signal Processing-Based Imaging for Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 232-236.	3.1	10
3676	Local distances preserving based manifold learning. Expert Systems With Applications, 2020, 139, 112860.	7.6	9
3677	Multimodal Deep Network Embedding With Integrated Structure and Attribute Information. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1437-1449.	11.3	20
3678	Measuring the Effects of Scalar and Spherical Colormaps on Ensembles of DMRI Tubes. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 2818-2833.	4.4	4
3679	Robust Bayesian model selection for variable clustering with the Gaussian graphical model. Statistics and Computing, 2020, 30, 351-376.	1.5	2
3680	Spectrum of large random inner-product kernel matrices generated from p -ellipsoids. Communications in Statistics - Theory and Methods, 2020, 49, 4636-4647.	1.0	1
3681	Structured learning for unsupervised feature selection with high-order matrix factorization. Expert Systems With Applications, 2020, 140, 112878.	7.6	18
3682	Model reduction of dynamical systems on nonlinear manifolds using deep convolutional autoencoders. Journal of Computational Physics, 2020, 404, 108973.	3.8	330
3683	Data-driven Koopman operator approach for computational neuroscience. Annals of Mathematics and Artificial Intelligence, 2020, 88, 1155-1173.	1.3	16
3684	Unsupervised double weight graphs based discriminant analysis for dimensionality reduction. International Journal of Remote Sensing, 2020, 41, 2209-2238.	2.9	4
3685	Exploiting Embedding Manifold of Autoencoders for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1527-1537.	6.3	65
3686	Development and Analysis of Deep Learning Architectures. Studies in Computational Intelligence, 2020, , .	0.9	2
3687	Multi-view Locality Low-rank Embedding for Dimension Reduction. Knowledge-Based Systems, 2020, 191, 105172.	7.1	20
3688	A machine learning approach to circumventing the curse of dimensionality in discontinuous time series machine data. Reliability Engineering and System Safety, 2020, 195, 106706.	8.9	36
3689	A local multiple patterns feature descriptor for face recognition. Neurocomputing, 2020, 373, 109-122.	5.9	42
3690	Beyond Correlation: A Path-Invariant Measure for Seismogram Similarity. Seismological Research Letters, 2020, 91, 356-369.	1.9	12
3691	Non-unique decision differential entropy-based feature selection. Neurocomputing, 2020, 393, 187-193.	5.9	8
3692	The stability of the first Neumann Laplacian eigenfunction under domain deformations and applications. Applied and Computational Harmonic Analysis, 2020, 49, 916-934.	2.2	0

#	ARTICLE	IF	CITATIONS
3693	Integration of Cancer Genomics Data for Tree-based Dimensionality Reduction and Cancer Outcome Prediction. Molecular Informatics, 2020, 39, e1900028.	2.5	6
3694	Spectral partitioning identifies individual heterogeneity in the functional network topography of ventral and anterior medial prefrontal cortex. NeuroImage, 2020, 205, 116305.	4.2	13
3695	On the optimal solution to maximum margin projection pursuit. Multimedia Tools and Applications, 2020, 79, 35441-35461.	3.9	0
3696	Performance comparison of dimensionality reduction methods on RNA-Seq data from the GTEx project. Genes and Genomics, 2020, 42, 225-234.	1.4	0
3697	Neural Social Recommendation With User Embedding. IEEE Access, 2020, 8, 10222-10233.	4.2	5
3698	Proximity-aware heterogeneous information network embedding. Knowledge-Based Systems, 2020, 193, 105468.	7.1	9
3699	A new method for performance analysis in nonlinear dimensionality reduction. Statistical Analysis and Data Mining, 2020, 13, 98-108.	2.8	2
3700	Manifold Approximation by Moving Least-Squares Projection (MMLS). Constructive Approximation, 2020, 52, 433-478.	3.0	12
3701	Sequential binary code selection for robust object tracking. Multimedia Tools and Applications, 2020, 79, 6951-6963.	3.9	1
3702	On active learning methods for manifold data. Test, 2020, 29, 1-33.	1.1	5
3703	Structured optimal graph based sparse feature extraction for semi-supervised learning. Signal Processing, 2020, 170, 107456.	3.7	111
3704	Vector-Valued Graph Trend Filtering With Non-Convex Penalties. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 48-62.	2.8	13
3705	A Robust Multi-Sensor Data Fusion Clustering Algorithm Based on Density Peaks. Sensors, 2020, 20, 238.	3.8	7
3706	RBPro-RF: Use Chou's 5-steps rule to predict RNA-binding proteins via random forest with elastic net. Chemometrics and Intelligent Laboratory Systems, 2020, 197, 103919.	3.5	32
3707	Manifold learning for efficient gravitational search algorithm. Information Sciences, 2020, 517, 18-36.	6.9	10
3708	CAGE: Constrained deep Attributed Graph Embedding. Information Sciences, 2020, 518, 56-70.	6.9	8
3709	Some manifold learning considerations toward explicit model predictive control. AIChE Journal, 2020, 66, e16881.	3.6	8
3710	Integrating production scheduling and process control using latent variable dynamic models. Control Engineering Practice, 2020, 94, 104201.	5.5	26

#	ARTICLE	IF	CITATIONS
3711	Extraction and prediction of coherent patterns in incompressible flows through space–time Koopman analysis. <i>Physica D: Nonlinear Phenomena</i> , 2020, 402, 132211.	2.8	10
3712	Patch Tensor-Based Multigraph Embedding Framework for Dimensionality Reduction of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 1630-1643.	6.3	17
3713	Interactive Visualization Interfaces for Big Data Analysis Using Combination of Dimensionality Reduction Methods: A Brief Review. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 193-203.	0.6	4
3714	Transfer Sparse Discriminant Subspace Learning for Cross-Corpus Speech Emotion Recognition. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2020, 28, 307-318.	5.8	30
3715	Multi-Feature Weighted Sparse Graph for SAR Image Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 881-891.	6.3	11
3716	Incremental and dynamic graph construction with application to image classification. <i>Expert Systems With Applications</i> , 2020, 144, 113117.	7.6	7
3717	Cryo-EM reconstruction of continuous heterogeneity by Laplacian spectral volumes. <i>Inverse Problems</i> , 2020, 36, 024003.	2.0	41
3718	Local manifold sparse model for image classification. <i>Neurocomputing</i> , 2020, 382, 162-173.	5.9	16
3719	Quantum speedup of Bayes’s classifiers. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 045301.	2.1	7
3720	The Structure Transfer Machine Theory and Applications. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 2889-2902.	9.8	5
3721	Image-based face beauty analysis via graph-based semi-supervised learning. <i>Multimedia Tools and Applications</i> , 2020, 79, 3005-3030.	3.9	6
3722	Diagnosis algorithms for indirect structural health monitoring of a bridge model via dimensionality reduction. <i>Mechanical Systems and Signal Processing</i> , 2020, 136, 106454.	8.0	61
3723	Discriminative globality and locality preserving graph embedding for dimensionality reduction. <i>Expert Systems With Applications</i> , 2020, 144, 113079.	7.6	36
3725	Jointly Learning Kernel Representation Tensor and Affinity Matrix for Multi-View Clustering. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 1985-1997.	7.2	77
3726	Sparse graphs using global and local smoothness constraints. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 1241-1251.	3.6	0
3727	Crystallographic prediction from diffraction and chemistry data for higher throughput classification using machine learning. <i>Computational Materials Science</i> , 2020, 173, 109409.	3.0	27
3728	Graph regularized low-rank representation for submodule clustering. <i>Pattern Recognition</i> , 2020, 100, 107145.	8.1	14
3729	Convolutional-Neural Network-Based Image Crowd Counting: Review, Categorization, Analysis, and Performance Evaluation. <i>Sensors</i> , 2020, 20, 43.	3.8	65

#	ARTICLE	IF	CITATIONS
3731	Deep Clustering With Sample-Assignment Invariance Prior. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4857-4868.	11.3	98
3732	GraphRQI: Classifying Driver Behaviors Using Graph Spectrums. , 2020, , .		5
3733	Data-Driven Classification, Reduction, Parameter Identification and State Extension in Hybrid Power Systems. IEEE Transactions on Power Systems, 2021, 36, 2222-2233.	6.5	5
3734	Active consumer participation in smart energy systems. Energy and Buildings, 2020, 227, 110359.	6.7	48
3735	Graph Regularized Encoder-Decoder Networks for Image Representation Learning. IEEE Transactions on Multimedia, 2021, 23, 3124-3136.	7.2	6
3736	Topographic organization of the human subcortex unveiled with functional connectivity gradients. Nature Neuroscience, 2020, 23, 1421-1432.	14.8	314
3737	Integrating Machine Learning with Human Knowledge. IScience, 2020, 23, 101656.	4.1	95
3738	Mass Laplacian Discriminant Analysis and Its Application in Gear Fault Diagnosis. Shock and Vibration, 2020, 2020, 1-13.	0.6	2
3739	Predicting Perceptual Quality in Internet Television Based on Unsupervised Learning. Symmetry, 2020, 12, 1535.	2.2	4
3740	HONEM: Learning Embedding for Higher Order Networks. Big Data, 2020, 8, 255-269.	3.4	9
3741	A Geometric Approach to the Transport of Discontinuous Densities. SIAM-ASA Journal on Uncertainty Quantification, 2020, 8, 1012-1035.	2.0	5
3742	Introducing the Concept of Interaction Model for Interactive Dimensionality Reduction and Data Visualization. Lecture Notes in Computer Science, 2020, , 193-203.	1.3	4
3743	Laser Powder Bed Fusion Parameter Selection via Machine-Learning-Augmented Process Modeling. Jom, 2020, 72, 4393-4403.	1.9	15
3744	Cross-Modal Retrieval for CPSS Data. IEEE Access, 2020, 8, 16689-16701.	4.2	5
3745	STA-APSNFIS: STA-Optimized Adaptive Pre-Sparse Neuro-Fuzzy Inference System for Online Soft Sensor Modeling. IEEE Access, 2020, 8, 104870-104883.	4.2	5
3746	A hybrid ensemble-based technique for predicting drug-target interactions. Chemical Biology and Drug Design, 2020, 96, 1447-1455.	3.2	2
3747	Overview of Hyperspectral Image Classification. Journal of Sensors, 2020, 2020, 1-13.	1.1	96
3748	Holistic multitask regression network for multiapplication shape regression segmentation. Medical Image Analysis, 2020, 65, 101783.	11.6	9

#	ARTICLE	IF	CITATIONS
3749	Data-driven surrogates for high dimensional models using Gaussian process regression on the Grassmann manifold. Computer Methods in Applied Mechanics and Engineering, 2020, 370, 113269.	6.6	27
3750	Clustering and classification methods for single-cell RNA-sequencing data. Briefings in Bioinformatics, 2020, 21, 1196-1208.	6.5	125
3751	Hyperspectral Image Dimension Reduction Using Weight Modified Tensor-Patch-Based Methods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3367-3380.	4.9	5
3752	Progressive transduction nonnegative matrix factorization for dimensionality reduction. Neurocomputing, 2020, 414, 76-89.	5.9	3
3753	Manifold regularized stacked autoencoders-based feature learning for fault detection in industrial processes. Journal of Process Control, 2020, 92, 119-136.	3.3	47
3754	An Equivalence between the Limit Smoothness and the Rate of Convergence for a General Contraction Operator Family. Abstract and Applied Analysis, 2020, 2020, 1-5.	0.7	0
3755	A Manifold-Based Dimension Reduction Algorithm Framework for Noisy Data Using Graph Sampling and Spectral Graph. Complexity, 2020, 2020, 1-18.	1.6	0
3756	Sparse Representation Graph for Hyperspectral Image Classification Assisted by Class Adjusted Spatial Distance. Applied Sciences (Switzerland), 2020, 10, 7740.	2.5	0
3757	Embeddings in Natural Language Processing: Theory and Advances in Vector Representations of Meaning. Synthesis Lectures on Human Language Technologies, 2020, 13, 1-175.	2.9	14
3758	Local conformal autoencoder for standardized data coordinates. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30918-30927.	7.1	6
3759	scTenifoldNet: A Machine Learning Workflow for Constructing and Comparing Transcriptome-wide Gene Regulatory Networks from Single-Cell Data. Patterns, 2020, 1, 100139.	5.9	25
3760	Singular manifolds of proteomic drivers to model the evolution of inflammatory bowel disease status. Scientific Reports, 2020, 10, 19066.	3.3	2
3761	Persistent Homology-based Projection Pursuit. , 2020, , .		2
3762	Image2Audio: Facilitating Semi-supervised Audio Emotion Recognition with Facial Expression Image. , 2020, , .		23
3763	Classification-aware Semi-supervised Domain Adaptation. , 2020, , .		27
3764	EmotiCon: Context-Aware Multimodal Emotion Recognition Using Fregeâ€™s Principle. , 2020, , .		89
3765	Modulated Broadband Mode Decomposition for the Feature Extraction of Double Pulse Metal Inert Gas Welding. IEEE Access, 2020, 8, 134031-134041.	4.2	4
3766	Robust modelling of binary decisions in Laplacian Eigenmaps-based Echo State Networks. Engineering Applications of Artificial Intelligence, 2020, 95, 103828.	8.1	3

#	ARTICLE	IF	CITATIONS
3767	Feature Extraction of Double Pulse Metal Inert Gas Welding Based on Broadband Mode Decomposition and Locality Preserving Projection. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	2
3768	LGSLRR: Towards fusing discriminative ordinal local and global structured low-rank representation for image recognition. Information Sciences, 2020, 539, 522-535.	6.9	6
3769	A General Matrix Function Dimensionality Reduction Framework and Extension for Manifold Learning. IEEE Transactions on Cybernetics, 2022, 52, 2137-2148.	9.5	13
3770	Efficient deep discriminant embedding: Application to face beauty prediction and classification. Engineering Applications of Artificial Intelligence, 2020, 95, 103831.	8.1	18
3771	Earthmover-Based Manifold Learning for Analyzing Molecular Conformation Spaces. , 2020, , .		5
3772	A Unified Framework for Nonrigid Point Set Registration via Coregularized Least Squares. IEEE Access, 2020, 8, 130263-130280.	4.2	2
3773	Toward a connectivity gradient-based framework for reproducible biomarker discovery. NeuroImage, 2020, 223, 117322.	4.2	87
3774	Semisupervised Hypergraph Discriminant Learning for Dimensionality Reduction of Hyperspectral Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4242-4256.	4.9	10
3775	Link Prediction through Deep Generative Model. IScience, 2020, 23, 101626.	4.1	10
3776	Topological quantum phase transitions retrieved through unsupervised machine learning. Physical Review B, 2020, 102, .	3.2	54
3777	Characterizing the transient electrocardiographic signature of ischemic stress using Laplacian Eigenmaps for dimensionality reduction. Computers in Biology and Medicine, 2020, 127, 104059.	7.0	8
3779	Minimal Lipschitz and $\hat{\alpha}$ -harmonic extensions of vector-valued functions on finite graphs. Information and Inference, 2020, 9, 935-959.	1.6	1
3780	Fuzzy Granule Manifold Alignment Preserving Local Topology. IEEE Access, 2020, 8, 178695-178705.	4.2	2
3781	Joint Sparsity and Collaboration Preserving Projections for Rotating Electrical Machinery Fault Diagnosis. IEEE Access, 2020, 8, 189842-189854.	4.2	2
3782	Modified Graph Laplacian Model With Local Contrast and Consistency Constraint for Small Target Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5807-5822.	4.9	7
3783	Relaxed Locality Preserving Supervised Discrete Hashing. IEEE Transactions on Big Data, 2022, 8, 1118-1128.	6.1	2
3784	Joint Sparsity Aided Joint Manifold Learning for Sensor Fusion. , 2020, , .		0
3786	Effective Similarity Search on Heterogeneous Networks: A Meta-path Free Approach. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	7

#	ARTICLE	IF	CITATIONS
3787	OscoNet: inferring oscillatory gene networks. BMC Bioinformatics, 2020, 21, 351.	2.6	3
3788	MESH: A Flexible Manifold-Embedded Semantic Hashing for Cross-Modal Retrieval. IEEE Access, 2020, 8, 147569-147579.	4.2	1
3790	Minimum Eigenvector Collaborative Representation Discriminant Projection for Feature Extraction. Sensors, 2020, 20, 4778.	3.8	2
3791	Regional Principal Component Analysis Network With the Rolling Guidance Filter for Classifying the Hyperspectral Images. IEEE Access, 2020, 8, 148357-148369.	4.2	3
3792	Pansharpening Based on Low-Rank Fuzzy Fusion and Detail Supplement. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5466-5479.	4.9	13
3793	Representation of features as images with neighborhood dependencies for compatibility with convolutional neural networks. Nature Communications, 2020, 11, 4391.	12.8	68
3794	Discriminative sparsity preserving projection via global constraint for unconstrained face recognition. Journal of Engineering, 2020, 2020, 348-352.	1.1	1
3795	Disjunct support spike-and-slab priors for variable selection in regression under quasi-sparseness. Stat, 2020, 9, e307.	0.4	0
3796	Learning Inter- and Intra-manifolds for Matrix Factorization-based Multi-Aspect Data Clustering. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	7
3797	Isomap-Based Three-Dimensional Operational Modal Analysis. Scientific Programming, 2020, 2020, 1-18.	0.7	5
3798	Instance Credibility Inference for Few-Shot Learning. , 2020, , .		103
3799	TSBP: Tangent Space Belief Propagation for Manifold Learning. IEEE Robotics and Automation Letters, 2020, 5, 6694-6701.	5.1	0
3800	Graph-Based Data Fusion Applied to: Change Detection and Biomass Estimation in Rice Crops. Remote Sensing, 2020, 12, 2683.	4.0	29
3801	Learning Weighted Submanifolds With Variational Autoencoders and Riemannian Variational Autoencoders. , 2020, , .		9
3802	A Maximum Principle Argument for the Uniform Convergence of Graph Laplacian Regressors. SIAM Journal on Mathematics of Data Science, 2020, 2, 705-739.	1.8	7
3803	Low-Rank Discriminative Adaptive Graph Preserving Subspace Learning. Neural Processing Letters, 2020, 52, 2127-2149.	3.2	5
3804	Dynamic Node Embeddings From Edge Streams. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, , 1-16.	4.9	6
3805	TriNE: Network Representation Learning for Tripartite Heterogeneous Networks. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
3806	Guided Variational Autoencoder for Disentanglement Learning. , 2020, , .		46
3807	The homotopy significant spectrum compared to the Krasnoselskii spectrum. Indagationes Mathematicae, 2020, 31, 997-1014.	0.4	0
3808	Network Representation Learning: From Traditional Feature Learning to Deep Learning. IEEE Access, 2020, 8, 205600-205617.	4.2	20
3809	Single- and Multi-Distribution Dimensionality Reduction Approaches for a Better Data Structure Capturing. IEEE Access, 2020, 8, 207141-207155.	4.2	4
3810	Improving k -Nearest Neighbors and Naïve Bayes Classifiers Through Space Transformations and Model Selection. IEEE Access, 2020, 8, 221669-221688.	4.2	2
3811	On the Classification of ECG Signals Subject to Various Degrees of Dimensionality Reduction. , 2020, , .		0
3812	Space Complexity Analysis in Hybrid Principal Component Analysis. , 2020, , .		0
3813	Feature Extraction for Dimensionality Reduction in Cellular Networks Performance Analysis. Sensors, 2020, 20, 6944.	3.8	6
3814	Broad Learning System with Locality Sensitive Discriminant Analysis for Hyperspectral Image Classification. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	5
3815	A Riemannian geometric framework for manifold learning of non-Euclidean data. Advances in Data Analysis and Classification, 2020, 15, 673.	1.4	2
3816	The spring bounces back: introducing the strain elevation tension spring embedding algorithm for network representation. Applied Network Science, 2020, 5, .	1.5	1
3817	Multipoint channel charting-based radio resource management for V2V communications. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	6
3818	Ensemble Learning of Lightweight Deep Learning Models Using Knowledge Distillation for Image Classification. Mathematics, 2020, 8, 1652.	2.2	9
3819	Randomized near-neighbor graphs, giant components and applications in data science. Journal of Applied Probability, 2020, 57, 458-476.	0.7	3
3820	Kernel-Based Analysis of Massive Data. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	1.3	6
3821	Manifold Learning Based on Straight-Like Geodesics and Local Coordinates. IEEE Transactions on Neural Networks and Learning Systems, 2020, 32, 1-15.	11.3	2
3822	NEUD-TRI: Network Embedding Based on Upstream and Downstream for Transaction Risk Identification. , 2020, , .		2
3823	Anomaly Detection with Deep Graph Autoencoders on Attributed Networks. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
3824	A direct approach for function approximation on data defined manifolds. Neural Networks, 2020, 132, 253-268.	5.9	6
3825	l_2, l_p -Norm Based Discriminant Subspace Clustering Algorithm. IEEE Access, 2020, 8, 76043-76055.	4.2	2
3826	Curve Skeleton Extraction From 3D Point Clouds Through Hybrid Feature Point Shifting and Clustering. Computer Graphics Forum, 2020, 39, 111-132.	3.0	5
3827	A Variational Image Segmentation Model Based on Normalized Cut with Adaptive Similarity and Spatial Regularization. SIAM Journal on Imaging Sciences, 2020, 13, 651-684.	2.2	5
3828	Hyper-Spectral Imaging Technique in the Cultural Heritage Field: New Possible Scenarios. Sensors, 2020, 20, 2843.	3.8	69
3829	Generalized two-dimensional PCA based on $\ell_{2,p}$ -norm minimization. International Journal of Machine Learning and Cybernetics, 2020, 11, 2421-2438.	3.6	5
3830	Spatially regularized active diffusion learning for high-dimensional images. Pattern Recognition Letters, 2020, 135, 213-220.	4.2	10
3831	Regularized least squares locality preserving projections with applications to image recognition. Neural Networks, 2020, 128, 322-330.	5.9	16
3832	A Novel Approach to Learning Consensus and Complementary Information for Multi-View Data Clustering. , 2020, , .		18
3833	Deep Manifold-to-Manifold Transforming Network for Skeleton-based Action Recognition. IEEE Transactions on Multimedia, 2020, , 1-1.	7.2	28
3834	Robust orthogonal nonnegative matrix tri-factorization for data representation. Knowledge-Based Systems, 2020, 201-202, 106054.	7.1	14
3835	Operator-theoretic framework for forecasting nonlinear time series with kernel analog techniques. Physica D: Nonlinear Phenomena, 2020, 409, 132520.	2.8	29
3836	Feature Extraction for Hyperspectral Imagery: The Evolution From Shallow to Deep: Overview and Toolbox. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 60-88.	9.6	373
3837	PolSAR Image Feature Extraction via Co-Regularized Graph Embedding. Remote Sensing, 2020, 12, 1738.	4.0	0
3838	Graph representation learning: a survey. APSIPA Transactions on Signal and Information Processing, 2020, 9, .	3.3	106
3839	Understanding brain organisation in the face of functional heterogeneity and functional multiplicity. Neurolmage, 2020, 220, 117061.	4.2	51
3840	Nonlinear dimensionality reduction for clustering. Pattern Recognition, 2020, 107, 107508.	8.1	23
3841	A tractable latent variable model for nonlinear dimensionality reduction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15403-15408.	7.1	5

#	ARTICLE	IF	CITATIONS
3842	Mobile Service Computing. Advanced Topics in Science and Technology in China, 2020, , .	0.1	5
3843	Discriminative sparse embedding based on adaptive graph for dimension reduction. Engineering Applications of Artificial Intelligence, 2020, 94, 103758.	8.1	31
3844	Dimensionality Reduction with Sparse Locality for Principal Component Analysis. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	4
3845	Multimodal trajectory optimization for motion planning. International Journal of Robotics Research, 2020, 39, 983-1001.	8.5	32
3846	Simplicial degree in complex networks. Applications of topological data analysis to network science. Chaos, Solitons and Fractals, 2020, 137, 109839.	5.1	19
3847	Predicting drug-drug interactions using multi-modal deep auto-encoders based network embedding and positive-unlabeled learning. Methods, 2020, 179, 37-46.	3.8	49
3848	LEt-SNE: A Hybrid Approach to Data Embedding and Visualization Of Hyperspectral Imagery. , 2020, , .		2
3849	Mathematical methods for visualization and anomaly detection in telemetry datasets. Interface Focus, 2020, 10, 20190086.	3.0	5
3850	A novel approach to multiple anatomical shape analysis: Application to fetal ventriculomegaly. Medical Image Analysis, 2020, 64, 101750.	11.6	7
3851	An Object-Oriented Color Visualization Method with Controllable Separation for Hyperspectral Imagery. Applied Sciences (Switzerland), 2020, 10, 3581.	2.5	3
3852	Machine Learning Force Fields and Coarse-Grained Variables in Molecular Dynamics: Application to Materials and Biological Systems. Journal of Chemical Theory and Computation, 2020, 16, 4757-4775.	5.3	120
3853	F3Hand II: A Flexible Five-Fingered Prosthetic Hand Using Curved Pneumatic Artificial Muscles. , 2020, , .		9
3854	Modeling Information Diffusion in Online Social Networks with Partial Differential Equations. Surveys and Tutorials in the Applied Mathematical Sciences, 2020, , .	0.4	20
3855	Sparse representation preserving embedding based on extreme learning machine for process monitoring. Transactions of the Institute of Measurement and Control, 2020, 42, 1895-1907.	1.7	8
3856	Hyperspectral image processing based on sparse learning and sparse graph. , 2020, , 559-615.		0
3857	GLEE: Geometric Laplacian Eigenmap Embedding. Journal of Complex Networks, 2020, 8, .	1.8	26
3858	Principles of temporal association cortex organisation as revealed by connectivity gradients. Brain Structure and Function, 2020, 225, 1245-1260.	2.3	25
3859	Deep point embedding for urban classification using ALS point clouds: A new perspective from local to global. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 62-81.	11.1	49

#	ARTICLE	IF	CITATIONS
3860	Examining brain maturation during adolescence using graph Laplacian learning based Fourier transform. Journal of Neuroscience Methods, 2020, 338, 108649.	2.5	5
3861	Blockchain Enabled Trustless API Marketplace. , 2020, , .		4
3862	Development and Experimental Analysis of Titanium Dioxide (TiO_2) Coated Etched Fiber Bragg Grating Sensor for Chemical Sensing. IEEE Sensors Journal, 2020, 20, 8528-8534.	4.7	18
3863	Dynamic Computation Offloading in Multi-Access Edge Computing via Ultra-Reliable and Low-Latency Communications. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 342-356.	2.8	51
3864	Feature extraction from null and non-null spaces of kernel local discriminant embedding. Knowledge and Information Systems, 2020, 62, 3217-3238.	3.2	0
3865	Exploring nonnegative and low-rank correlation for noise-resistant spectral clustering. World Wide Web, 2020, 23, 2107-2127.	4.0	1
3866	Learning on Hypergraphs with Sparsity. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 43, 1-1.	13.9	4
3867	Efficient Mapping for VM Allocation Scheme in Cloud Data Center. , 2020, , .		3
3868	Cell-Type-Specific Outcome Representation in the Primary Motor Cortex. Neuron, 2020, 107, 954-971.e9.	8.1	50
3869	Constructing knowledge graphs and their biomedical applications. Computational and Structural Biotechnology Journal, 2020, 18, 1414-1428.	4.1	132
3870	A novel data-driven pressure/rate deconvolution algorithm to enhance production data analysis in unconventional reservoirs. Journal of Petroleum Science and Engineering, 2020, 192, 107332.	4.2	13
3871	Connectome spectral analysis to track EEG task dynamics on a subsecond scale. NeuroImage, 2020, 221, 117137.	4.2	40
3872	A tutorial and tool for exploring feature similarity gradients with MRI data. NeuroImage, 2020, 221, 117140.	4.2	26
3873	Dimensionality Reduction Based on Multilocal Linear Pattern Preservation. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	2
3874	Input Selection Methods for Soft Sensor Design: A Survey. Future Internet, 2020, 12, 97.	3.8	19
3875	Forecasting Trajectory and Behavior of Road-Agents Using Spectral Clustering in Graph-LSTMs. IEEE Robotics and Automation Letters, 2020, 5, 4882-4890.	5.1	90
3876	Dimensionality reduction of image feature based on geometric parameter adaptive LLE algorithm. Journal of Intelligent and Fuzzy Systems, 2020, 38, 1569-1577.	1.4	4
3877	Poincaré maps for analyzing complex hierarchies in single-cell data. Nature Communications, 2020, 11, 2966.	12.8	38

#	ARTICLE	IF	CITATIONS
3878	Lizard Brain: Tackling Locally Low-Dimensional Yet Globally Complex Organization of Multi-Dimensional Datasets. <i>Frontiers in Neurorobotics</i> , 2019, 13, 110.	2.8	13
3879	A heuristic information cluster search approach for precise functional brain mapping. <i>Human Brain Mapping</i> , 2020, 41, 2263-2280.	3.6	3
3881	Hyper-Laplacian regularized multi-view subspace clustering with low-rank tensor constraint. <i>Neural Networks</i> , 2020, 125, 214-223.	5.9	21
3882	Review on graph learning for dimensionality reduction of hyperspectral image. <i>Geo-Spatial Information Science</i> , 2020, 23, 98-106.	5.3	21
3883	Adaptive Density Graph-Based Manifold Alignment for Fingerprinting Indoor Localization. <i>IEEE Access</i> , 2020, 8, 4944-4953.	4.2	3
3884	Research on an Urban Building Area Extraction Method with High-Resolution PolSAR Imaging Based on Adaptive Neighborhood Selection Neighborhoods for Preserving Embedding. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 109.	2.9	3
3885	Wavelet-Based Enhanced Medical Image Super Resolution. <i>IEEE Access</i> , 2020, 8, 37035-37044.	4.2	25
3886	Multi-layer manifold learning with feature selection. <i>Applied Intelligence</i> , 2020, 50, 1859-1871.	5.3	4
3887	Random walks on hypergraphs. <i>Physical Review E</i> , 2020, 101, 022308.	2.1	99
3888	Nonlinear Manifold Learning Integrated with Fully Convolutional Networks for PolSAR Image Classification. <i>Remote Sensing</i> , 2020, 12, 655.	4.0	15
3889	Text Co-Detection in Multi-View Scene. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 4627-4642.	9.8	7
3890	Temperature Measuring-Based Decision-Making Prognostic Approach in Electric Power Transformers Winding Failures. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 6995-7003.	4.7	17
3891	Spectral Exterior Calculus. <i>Communications on Pure and Applied Mathematics</i> , 2020, 73, 689-770.	3.1	6
3892	Logistic regression projection-based feature representation for visual domain adaptation. <i>Signal, Image and Video Processing</i> , 2020, 14, 1115-1123.	2.7	0
3893	Dimensionality Reduction and Latent Variable Modeling. , 2020, , 1039-1115.		0
3894	Joint low-rank representation and spectral regression for robust subspace learning. <i>Knowledge-Based Systems</i> , 2020, 195, 105723.	7.1	5
3895	Local preserving logistic I-Relief for semi-supervised feature selection. <i>Neurocomputing</i> , 2020, 399, 48-64.	5.9	18
3896	Deep learning approach based on dimensionality reduction for designing electromagnetic nanostructures. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	139

#	ARTICLE	IF	CITATIONS
3897	Adaptive sparse learning using multi-template for neurodegenerative disease diagnosis. Medical Image Analysis, 2020, 61, 101632.	11.6	33
3898	Zoning additive manufacturing process histories using unsupervised machine learning. Materials Characterization, 2020, 161, 110123.	4.4	35
3899	Coarse-scale PDEs from fine-scale observations via machine learning. Chaos, 2020, 30, 013141.	2.5	42
3900	Subspace Learning and Feature Selection via Orthogonal Mapping. IEEE Transactions on Signal Processing, 2020, 68, 1034-1047.	5.3	11
3901	Combining Network Visualization and Data Mining for Tax Risk Assessment. IEEE Access, 2020, 8, 16073-16086.	4.2	26
3902	Analysis of Images, Social Networks and Texts. Communications in Computer and Information Science, 2020, , .	0.5	1
3903	Dimensionality Reduction With Enhanced Hybrid-Graph Discriminant Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5336-5353.	6.3	180
3904	Adaptive Similarity Embedding for Unsupervised Multi-View Feature Selection. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3338-3350.	5.7	30
3905	Control System for a Cryogenic Permanent Magnet Undulator at the Taiwan Photon Source. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	0
3906	Revisiting $L_{2,1}$ -Norm Robustness With Vector Outlier Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5624-5629.	11.3	6
3907	Integrating Multiple Models Using Image-as-Documents Approach for Recognizing Fine-Grained Home Contexts. Sensors, 2020, 20, 666.	3.8	9
3908	A metaheuristic framework based automated Spatial-Spectral graph for land cover classification from multispectral and hyperspectral satellite images. Infrared Physics and Technology, 2020, 105, 103172.	2.9	11
3909	Network representation learning: a systematic literature review. Neural Computing and Applications, 2020, 32, 16647-16679.	5.6	42
3910	Manifold Embedded Knowledge Transfer for Brain-Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1117-1127.	4.9	91
3913	Rank-constrained nonnegative matrix factorization for data representation. Information Sciences, 2020, 528, 133-146.	6.9	14
3914	Manifold learning for organizing unstructured sets of process observations. Chaos, 2020, 30, 043108.	2.5	4
3915	Uncovering the key dimensions of high-throughput biomolecular data using deep learning. Nucleic Acids Research, 2020, 48, e56-e56.	14.5	9
3916	Domain Adaptation on Graphs by Learning Aligned Graph Bases. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 587-600.	5.7	31

#	ARTICLE	IF	CITATIONS
3917	Fast Incremental Spectral Clustering in Titanate Application via Graph Fourier Transform. IEEE Access, 2020, 8, 57252-57259.	4.2	1
3918	SPD Data Dictionary Learning Based on Kernel Learning and Riemannian Metric. IEEE Access, 2020, 8, 61956-61972.	4.2	7
3919	Local Manifold-Based Sparse Discriminant Learning for Feature Extraction of Hyperspectral Image. IEEE Transactions on Cybernetics, 2021, 51, 4021-4034.	9.5	26
3920	Circular object arrangement using spherical embeddings. Pattern Recognition, 2020, 103, 107192.	8.1	3
3921	Diffusion maps embedding and transition matrix analysis of the large-scale flow structure in turbulent Rayleigh-Bénard convection. Nonlinearity, 2020, 33, 1723-1756.	1.4	8
3922	Robust face tracking using multiple appearance models and graph relational learning. Machine Vision and Applications, 2020, 31, 1.	2.7	3
3923	Complex systems: Features, similarity and connectivity. Physics Reports, 2020, 861, 1-41.	25.6	35
3924	An approximate DRAM with efficient refresh schemes for low power deep learning applications. , 2020, , .		3
3925	Large-Scale Integration of 2D Material Heterostructures by Adhesive Bonding. , 2020, , .		4
3926	<i>LookCom</i>: Learning Optimal Network for Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 764-775.	5.7	4
3927	Clustering via Adaptive and Locality-constrained Graph Learning and Unsupervised ELM. Neurocomputing, 2020, 401, 224-235.	5.9	7
3928	Exponential sparsity preserving projection with applications to image recognition. Pattern Recognition, 2020, 104, 107357.	8.1	9
3929	MeSHHeading2vec: a new method for representing MeSH headings as vectors based on graph embedding algorithm. Briefings in Bioinformatics, 2021, 22, 2085-2095.	6.5	32
3930	Embedding Traffic Network Characteristics Using Tensor for Improved Traffic Prediction. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3359-3371.	8.0	20
3931	Reproducing kernels: Harmonic analysis and some of their applications. Applied and Computational Harmonic Analysis, 2021, 52, 279-302.	2.2	0
3932	A kernel method for learning constitutive relation in data-driven computational elasticity. Japan Journal of Industrial and Applied Mathematics, 2021, 38, 39-77.	0.9	16
3933	Some Extensions of E. Stein's Work on Littlewood's Paley Theory Applied to Symmetric Diffusion Semigroups. Journal of Geometric Analysis, 2021, 31, 6781-6795.	1.0	2
3934	Laplacian Regularized Nonnegative Representation for Clustering and Dimensionality Reduction. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1-14.	8.3	33

#	ARTICLE	IF	CITATIONS
3935	Statistical and Fuzzy Approaches to Data Processing, with Applications to Econometrics and Other Areas. Studies in Computational Intelligence, 2021, , .	0.9	0
3936	A review, framework, and R toolkit for exploring, evaluating, and comparing visualization methods. Visual Computer, 2021, 37, 457-475.	3.5	8
3937	On the Dual Geometry of Laplacian Eigenfunctions. Experimental Mathematics, 2021, 30, 283-293.	0.7	3
3938	Learning Dual Geometric Low-Rank Structure for Semisupervised Hyperspectral Image Classification. IEEE Transactions on Cybernetics, 2021, 51, 346-358.	9.5	22
3939	Deep Attributed Network Embedding by Preserving Structure and Attribute Information. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1434-1445.	9.3	29
3940	A state-of-the-art review on mobile robotics tasks using artificial intelligence and visual data. Expert Systems With Applications, 2021, 167, 114195.	7.6	65
3941	Stability Analysis of Denoising Autoencoders Based on Dynamical Projection System. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3155-3159.	5.7	0
3942	Unsupervised nonlinear adaptive manifold learning for global and local information. Tsinghua Science and Technology, 2021, 26, 163-171.	6.1	8
3944	Riemannian gradient descent methods for graph-regularized matrix completion. Linear Algebra and Its Applications, 2021, 623, 193-235.	0.9	4
3945	Dual local learning regularized nonnegative matrix factorization and its semi-supervised extension for clustering. Neural Computing and Applications, 2021, 33, 6213-6231.	5.6	4
3946	Ratio sum formula for dimensionality reduction. Multimedia Tools and Applications, 2021, 80, 4367-4382.	3.9	3
3947	Sparsity discriminant preserving projection for machinery fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108488.	5.0	8
3948	Semisupervised charting for spectral multimodal manifold learning and alignment. Pattern Recognition, 2021, 111, 107645.	8.1	14
3949	SLCRF: Subspace Learning With Conditional Random Field for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4203-4217.	6.3	7
3950	Approximation of functions over manifolds: A Moving Least-Squares approach. Journal of Computational and Applied Mathematics, 2021, 383, 113140.	2.0	7
3951	Structural representation learning for network alignment with self-supervised anchor links. Expert Systems With Applications, 2021, 165, 113857.	7.6	22
3952	A geometry constrained dictionary learning method for industrial process monitoring. Information Sciences, 2021, 546, 265-282.	6.9	12
3953	A nonlinear method for monitoring industrial process. Transactions of the Institute of Measurement and Control, 2021, 43, 400-411.	1.7	5

#	ARTICLE	IF	CITATIONS
3954	Model-free data-driven computational mechanics enhanced by tensor voting. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113499.	6.6	39
3955	An efficient tea quality classification algorithm based on near infrared spectroscopy and random Forest. Journal of Food Process Engineering, 2021, 44, .	2.9	12
3956	Joint estimation of low-rank components and connectivity graph in high-dimensional graph signals: Application to brain imaging. Signal Processing, 2021, 182, 107931.	3.7	1
3957	Fault diagnosis of rotor based on Local-Global Balanced Orthogonal Discriminant Projection. Measurement: Journal of the International Measurement Confederation, 2021, 168, 108320.	5.0	27
3958	A hierarchical weighted low-rank representation for image clustering and classification. Pattern Recognition, 2021, 112, 107736.	8.1	18
3959	Construction of embedded fMRI resting-state functional connectivity networks using manifold learning. Cognitive Neurodynamics, 2021, 15, 585-608.	4.0	16
3960	Development of a Method for Data Dimensionality Reduction in Loop Closure Detection: An Incremental Approach. Robotica, 2021, 39, 557-571.	1.9	2
3961	A novel dimensionality reduction method: Similarity order preserving discriminant analysis. Signal Processing, 2021, 182, 107933.	3.7	12
3962	Robust distribution-based nonnegative matrix factorizations for dimensionality reduction. Information Sciences, 2021, 552, 244-260.	6.9	11
3963	Monitoring of friction-related failures using diffusion maps of acoustic time series. Mechanical Systems and Signal Processing, 2021, 148, 107172.	8.0	5
3964	Deep Multimodal Learning: Merging Sensory Data for Massive MIMO Channel Prediction. IEEE Journal on Selected Areas in Communications, 2021, 39, 1885-1898.	14.0	22
3965	Next waves in veridical network embedding*. Statistical Analysis and Data Mining, 2021, 14, 5-17.	2.8	2
3966	Unsupervised deep hashing with node representation for image retrieval. Pattern Recognition, 2021, 112, 107785.	8.1	19
3967	Fuzzy Approaches for Soft Computing and Approximate Reasoning: Theories and Applications. Studies in Fuzziness and Soft Computing, 2021, , .	0.8	3
3968	A Lightweight Convolutional Neural Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4150-4163.	6.3	42
3969	Locality Preserving Robust Regression for Jointly Sparse Subspace Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2274-2287.	8.3	12
3970	The Geometry of Synchronization Problems and Learning Group Actions. Discrete and Computational Geometry, 2021, 65, 150-211.	0.6	4
3971	Joint Embedding of Graphs. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1324-1336.	13.9	25

#	ARTICLE	IF	CITATIONS
3972	Physical Human-Robot Collaboration: Robotic Systems, Learning Methods, Collaborative Strategies, Sensors, and Actuators. IEEE Transactions on Cybernetics, 2021, 51, 1888-1901.	9.5	50
3973	Manifold Learning-Inspired Mating Restriction for Evolutionary Multiobjective Optimization With Complicated Pareto Sets. IEEE Transactions on Cybernetics, 2021, 51, 3325-3337.	9.5	25
3974	Non-negative sparse Laplacian regularized latent multi-view subspace clustering. Journal of Algorithms and Computational Technology, 2021, 15, 174830262110249.	0.7	2
3975	Low-Rank Joint Embedding and Its Application for Robust Process Monitoring. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	14
3976	Deep Manifold Structure-Preserving Spectral Spatial Feature Extraction of Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
3977	Kinship Verification Based on Cross-Generation Feature Interaction Learning. IEEE Transactions on Image Processing, 2021, 30, 7391-7403.	9.8	5
3978	MD-Manifold: A Medical Distance Based Manifold Learning Approach for Heart Failure Readmission Prediction. , 0, , .		0
3979	Multi-layer linear embedding with feature subset selection. Knowledge and Information Systems, 2021, 63, 1029-1043.	3.2	5
3980	Delay-coordinate maps, coherence, and approximate spectra of evolution operators. Research in Mathematical Sciences, 2021, 8, 1.	1.0	13
3981	Improved weighted local linear embedding algorithm based on Laplacian eigenmaps. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2021, 24, 323-330.	1.0	0
3983	Subspace Clustering via Structured Sparse Relation Representation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4610-4623.	11.3	9
3984	Superpixelwise Collaborative-Representation Graph Embedding for Unsupervised Dimension Reduction in Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4684-4698.	4.9	15
3985	Comparison of Different Dimension Reduction Methods in Classification of Hyperspectral Images. Academic Platform Journal of Engineering and Science, 2021, 9, 159-165.	0.6	0
3986	Kernel Analog Forecasting: Multiscale Test Problems. Multiscale Modeling and Simulation, 2021, 19, 1011-1040.	1.6	13
3987	WSN Localization using Similarity Based Ricci Flow Embedding. IEEE Sensors Journal, 2021, , 1-1.	4.7	2
3988	Generalized Spectral Dimensionality Reduction Based on Kernel Representations and Principal Component Analysis. Lecture Notes in Computer Science, 2021, , 512-523.	1.3	1
3989	Gradients of connectivity as graph Fourier bases of brain activity. Network Neuroscience, 2021, 5, 322-336.	2.6	11
3990	An Orthogonal Locality and Globality Dimensionality Reduction Method Based on Twin Eigen Decomposition. IEEE Access, 2021, 9, 55714-55725.	4.2	8

#	ARTICLE	IF	CITATIONS
3991	Generalized penalty for circular coordinate representation. , 2021, 3, 729.		4
3992	Low-Rank Tensor Graph Learning for Multi-View Subspace Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 92-104.	8.3	80
3993	Combination of Manifold Learning and Deep Learning Algorithms for Mid-Term Electrical Load Forecasting. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2584-2593.	11.3	16
3994	Dimensionality Reduction and Metric Learning. , 2021, , 241-264.		2
3995	Intelligent fault diagnosis for rolling bearings based on graph shift regularization with directed graphs. Advanced Engineering Informatics, 2021, 47, 101253.	8.0	29
3996	Distributed Cloud Deep Learning Architecture for Complex Image Analysis and Run-time Prediction Tool. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 515-526.	0.7	0
3997	Dimensionality Reduction byÂConsolidated Sparse Representation and Fisher Criterion with Initialization for Recognition. Communications in Computer and Information Science, 2021, , 332-343.	0.5	0
3998	Contact-Free Pulse Signal Extraction from Human Face Videos: A Review and New Optimized Filtering Approach. Advances in Experimental Medicine and Biology, 2021, 1317, 181-202.	1.6	0
3999	Nonlinear Dimensionality Reduction for Data Visualization: An Unsupervised Fuzzy Rule-Based Approach. IEEE Transactions on Fuzzy Systems, 2022, 30, 2157-2169.	9.8	9
4000	Transport Model for Feature Extraction. SIAM Journal on Mathematics of Data Science, 2021, 3, 321-341.	1.8	0
4001	Analysis of Contagion Maps on a Class of Networks That Are Spatially Embedded in a Torus. SIAM Journal on Applied Mathematics, 2021, 81, 1416-1440.	1.8	3
4002	Improved Time-Series Clustering with UMAP dimension reduction method. , 2021, , .		5
4003	Protein-Protein Interaction Prediction by Integrating Sequence Information and Heterogeneous Network Representation. Lecture Notes in Computer Science, 2021, , 617-626.	1.3	1
4004	OSIP1 is a selfâ€assembling DUF3129 protein required to protect fungal cells from toxins and stressors. Environmental Microbiology, 2021, 23, 1594-1607.	3.8	3
4005	A rotation based regularization method for semi-supervised learning. Pattern Analysis and Applications, 2021, 24, 887-905.	4.6	0
4006	Multiview PCA: A Methodology of Feature Extraction and Dimension Reduction for High-Order Data. IEEE Transactions on Cybernetics, 2022, 52, 11068-11080.	9.5	26
4007	Leveraging big data analytics in healthcare enhancement: trends, challenges and opportunities. Multimedia Systems, 2022, 28, 1339-1371.	4.7	53
4008	Detecting Rare Cell Populations in Flow Cytometry Data Using UMAP. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
4009	Learning Connectivity with Graph Convolutional Networks. , 2021, , .		7
4010	Combining Deep and Manifold Learning For Nonlinear Feature Extraction in Texture Images. , 2021, , .		2
4011	Bearing Fault Diagnosis Method Based on Ensemble Composite Multi-Scale Dispersion Entropy and Density Peaks Clustering. IEEE Access, 2021, 9, 24373-24389.	4.2	10
4012	Deep Reinforcement Learning for Band Selection in Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	32
4013	Sparsity-Induced Graph Convolutional Network for Semisupervised Learning. IEEE Transactions on Artificial Intelligence, 2021, 2, 549-563.	4.7	5
4014	Robust Principal Component Analysis Based On Hypergraph Regularization for Sample Clustering and Co-Characteristic Gene Selection. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 2420-2430.	3.0	1
4015	Parameter-Free Consensus Embedding Learning for Multiview Graph-Based Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7944-7950.	11.3	9
4016	Assessing Image and Text Generation with Topological Analysis and Fuzzy Logic. , 2021, , .		0
4017	Fishing Gear Pattern Recognition by Including Supervised Autoencoder Dimensional Reduction. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
4018	Multi-View Clustering Based on Invisible Weights. IEEE Signal Processing Letters, 2021, 28, 1051-1055.	3.6	9
4020	Interpretable Dimensionally-Consistent Feature Extraction from Electrical Network Sensors. Lecture Notes in Computer Science, 2021, , 444-460.	1.3	1
4021	Chaoticity Versus Stochasticity in Financial Markets: Are Daily S&P 500 Return Dynamics Chaotic?. SSRN Electronic Journal, 0, , .	0.4	0
4022	Kernel EOFs. Springer Atmospheric Sciences, 2021, , 295-318.	0.3	0
4023	Nonlinear Matrix Factorization via Neighbor Embedding. Lecture Notes in Computer Science, 2021, , 575-587.	1.3	0
4024	Discriminative dictionary learning algorithm with pairwise local constraints for histopathological image classification. Medical and Biological Engineering and Computing, 2021, 59, 153-164.	2.8	2
4025	Sparse Graph Embedding Based on the Fuzzy Set for Image Classification. Complexity, 2021, 2021, 1-10.	1.6	1
4026	Graph-Embedded Multi-Layer Kernel Ridge Regression for One-Class Classification. Cognitive Computation, 2021, 13, 552-569.	5.2	3
4027	Cross-Corpus Speech Emotion Recognition Based on Joint Transfer Subspace Learning and Regression. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 588-598.	3.8	5

#	ARTICLE	IF	CITATIONS
4028	Robust automated graph regularized discriminative non-negative matrix factorization. Multimedia Tools and Applications, 2021, 80, 14867-14886.	3.9	4
4029	SUSCC: Secondary Construction of Feature Space based on UMAP for Rapid and Accurate Clustering Large-scale Single Cell RNA-seq Data. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 83-90.	3.6	10
4030	Optimal Fractional Fourier Filtering for Graph Signals. IEEE Transactions on Signal Processing, 2021, 69, 2902-2912.	5.3	10
4031	Embedding Alignment Methods in Dynamic Networks. Lecture Notes in Computer Science, 2021, , 599-613.	1.3	2
4032	Doubly Stochastic Normalization of the Gaussian Kernel Is Robust to Heteroskedastic Noise. SIAM Journal on Mathematics of Data Science, 2021, 3, 388-413.	1.8	7
4033	A Tailored Convolutional Neural Network for Nonlinear Manifold Learning of Computational Physics Data Using Unstructured Spatial Discretizations. SIAM Journal of Scientific Computing, 2021, 43, A2581-A2613.	2.8	5
4034	PCA-KL: a parametric dimensionality reduction approach for unsupervised metric learning. Advances in Data Analysis and Classification, 2021, 15, 829-868.	1.4	9
4035	DeepWTPCA-L1: A New Deep Face Recognition Model Based on WTPCA-L1 Norm Features. IEEE Access, 2021, 9, 65091-65100.	4.2	10
4036	A topological approach to spectral clustering. , 2021, 3, 49.		1
4037	Research Review for Broad Learning System: Algorithms, Theory, and Applications. IEEE Transactions on Cybernetics, 2022, 52, 8922-8950.	9.5	87
4038	Comprehensive Survey on Machine Learning in Vehicular Network: Technology, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 2027-2057.	39.4	92
4039	Fault Monitoring of Chemical Process Based on Sliding Window Wavelet DenoisingGLPP. Processes, 2021, 9, 86.	2.8	10
4040	Concentration of kernel matrices with application to kernel spectral clustering. Annals of Statistics, 2021, 49, .	2.6	7
4041	UMAP Based Data Validity Evaluation for Artificial Intelligence Systems. Journal of Physics: Conference Series, 2021, 1828, 012003.	0.4	0
4042	Community detection in networks using graph embeddings. Physical Review E, 2021, 103, 022316.	2.1	24
4043	An extended shift-invert residual Arnoldi method. Computational and Applied Mathematics, 2021, 40, 1.	2.2	2
4044	Heat Kernel Analysis of Syntactic Structures. Mathematics in Computer Science, 2021, 15, 643-660.	0.4	1
4045	Structure-guided attributed network embedding with "centroid" enhancement. Computing (Vienna/New York), 2021, 103, 1599.	4.8	0

#	ARTICLE	IF	CITATIONS
4046	Joint Lp-Norm and L2,1-Norm Constrained Graph Laplacian PCA for Robust Tumor Sample Clustering and Gene Network Module Discovery. <i>Frontiers in Genetics</i> , 2021, 12, 621317.	2.3	3
4047	A Novel Discriminant Locality Preserving Projections Method. <i>Journal of Mathematical Imaging and Vision</i> , 2021, 63, 541.	1.3	14
4048	Functional Modeling of High-Dimensional Data: A Manifold Learning Approach. <i>Mathematics</i> , 2021, 9, 406.	2.2	3
4049	An Efficient Computational Model for Large-Scale Prediction of Protein-Protein Interactions Based on Accurate and Scalable Graph Embedding. <i>Frontiers in Genetics</i> , 2021, 12, 635451.	2.3	7
4050	The influence of environmental factors on the intensity of typhoon Mirinae in the South China Sea and its forecast analysis. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 658, 012019.	0.3	2
4051	Prediction model based on the Laplacian eigenmap method combined with a random forest algorithm for rainstorm satellite images during the first annual rainy season in South China. <i>Natural Hazards</i> , 2021, 107, 331-353.	3.4	2
4052	Deep Fully Convolutional Embedding Networks for Hyperspectral Images Dimensionality Reduction. <i>Remote Sensing</i> , 2021, 13, 706.	4.0	1
4053	Correspondence-Aware Manifold Learning for Microscopic and Spatial Omics Imaging: A Novel Data Fusion Method Bringing Mass Spectrometry Imaging to a Cellular Resolution. <i>Analytical Chemistry</i> , 2021, 93, 3452-3460.	6.5	8
4054	Spatial Revising Variational Autoencoder-Based Feature Extraction Method for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 1410-1423.	6.3	25
4055	Proximity-based group formation game model for community detection in social network. <i>Knowledge-Based Systems</i> , 2021, 214, 106670.	7.1	12
4056	Hierarchical analysis of Chinese financial market based on manifold structure. <i>Annals of Operations Research</i> , 0, , 1.	4.1	1
4057	Radar HRRP Target Recognition Based on Dynamic Learning with Limited Training Data. <i>Remote Sensing</i> , 2021, 13, 750.	4.0	9
4058	Social networks predict the life and death of honey bees. <i>Nature Communications</i> , 2021, 12, 1110.	12.8	60
4059	Semi-supervised Learning with Graph Convolutional Networks Based on Hypergraph. <i>Neural Processing Letters</i> , 2022, 54, 2629-2644.	3.2	3
4060	Unifying community detection and network embedding in attributed networks. <i>Knowledge and Information Systems</i> , 2021, 63, 1221-1239.	3.2	3
4061	Bearing feature extraction using multi-structure locally linear embedding. <i>Neurocomputing</i> , 2021, 428, 280-290.	5.9	10
4063	CMG2Vec: A composite meta-graph based heterogeneous information network embedding approach. <i>Knowledge-Based Systems</i> , 2021, 216, 106661.	7.1	6
4064	A review on spectral clustering and stochastic block models. <i>Journal of the Korean Statistical Society</i> , 2021, 50, 818-831.	0.4	4

#	ARTICLE	IF	CITATIONS
4065	Selective network discovery via deep reinforcement learning on embedded spaces. Applied Network Science, 2021, 6, .	1.5	3
4066	Estimation of precipitation induced by tropical cyclones based on machineâ€learningâ€enhanced analogue identification of numerical prediction. Meteorological Applications, 2021, 28, e1978.	2.1	13
4069	Nonlocal-Interaction Equation on Graphs: Gradient Flow Structure and Continuum Limit. Archive for Rational Mechanics and Analysis, 2021, 240, 699-760.	2.4	11
4071	Label Propagation from Laplacian Score for Semi-Supervised Attribute Selection. , 2021, , .		1
4072	Nonparametric manifold learning approach for improved process monitoring. Canadian Journal of Chemical Engineering, 2022, 100, 67-89.	1.7	7
4073	CFAR Detection Based on Adaptive Tight Frame and Weighted Group-Sparsity Regularization for OTHR. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2058-2079.	6.3	6
4074	Functional network estimation using multigraph learning with application to brain maturation study. Human Brain Mapping, 2021, 42, 2880-2892.	3.6	3
4075	Dynamic time warping similarity measurement based on low-rank sparse representation. Visual Computer, 0, , 1.	3.5	2
4077	Principal Manifold Estimation Via Model Complexity Selection. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2021, 83, 369-394.	2.2	2
4078	Change Detection with Manifold Embedding for Hyperspectral Images. , 2021, , .		2
4079	Graph of graphs analysis for multiplexed data with application to imaging mass cytometry. PLoS Computational Biology, 2021, 17, e1008741.	3.2	5
4081	GEVI cellâ€type specific labelling and a manifold learning approach provide evidence for lateral inhibition at the population level in the mouse hippocampal CA1 area. European Journal of Neuroscience, 2021, 53, 3019-3038.	2.6	6
4082	Discriminant projection method based on optimized neighborhood graph for image feature extraction. , 2021, , .		0
4083	A systematic review on overfitting control in shallow and deep neural networks. Artificial Intelligence Review, 2021, 54, 6391-6438.	15.7	128
4084	Diffusion maps-aided Neural Networks for the solution of parametrized PDEs. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113568.	6.6	12
4085	Feature Extraction via Sparse Fuzzy Difference Embedding (SFDE) for Robust Subspace Learning. Neural Processing Letters, 2021, 53, 2113-2128.	3.2	2
4087	Unsupervised and Semisupervised Projection With Graph Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1547-1559.	11.3	32
4088	Kernel-based parameter estimation of dynamical systems with unknown observation functions. Chaos, 2021, 31, 043118.	2.5	2

#	ARTICLE	IF	CITATIONS
4089	Overcoming Immunological Challenges Limiting Capsid-Mediated Gene Therapy With Machine Learning. <i>Frontiers in Immunology</i> , 2021, 12, 674021.	4.8	12
4090	SeBioGraph: Semi-supervised Deep Learning for the Graph via Sustainable Knowledge Transfer. <i>Frontiers in Neurorobotics</i> , 2021, 15, 665055.	2.8	3
4091	Optimal multi-kernel local fisher discriminant analysis for feature dimensionality reduction and fault diagnosis. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2021, 235, 1041-1056.	0.7	2
4092	Feature extraction via prototype margin distance maximizing criterion for subspace learning. <i>Optik</i> , 2021, 231, 166491.	2.9	2
4093	Latent Low-rank Graph Learning for Multimodal Clustering. , 2021, , .		2
4094	Dynamic Embeddings for Interaction Prediction. , 2021, , .		6
4095	Soft adaptive loss based Laplacian eigenmaps. <i>Applied Intelligence</i> , 2022, 52, 321-338.	5.3	5
4096	Blind Analysis of Molecular Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 2725-2736.	5.3	10
4097	Natural Graph Wavelet Packet Dictionaries. <i>Journal of Fourier Analysis and Applications</i> , 2021, 27, 1.	1.0	8
4098	Temperature network for few-shot learning with distribution-aware large-margin metric. <i>Pattern Recognition</i> , 2021, 112, 107797.	8.1	20
4099	Correspondence analysis, spectral clustering and graph embedding: applications to ecology and economic complexity. <i>Scientific Reports</i> , 2021, 11, 8926.	3.3	16
4100	Unified Low-Rank Subspace Clustering with Dynamic Hypergraph for Hyperspectral Image. <i>Remote Sensing</i> , 2021, 13, 1372.	4.0	3
4101	A survey on spectral embeddings and their application in data analysis. <i>SÃ©minaire De ThÃ©orie Spectrale Et GÃ©omÃ©trie</i> , 0, 35, 197-244.	0.0	3
4102	Data-Driven Approach For Respiratory Motion Correction In Cardiac Spect Data. , 2021, , .		1
4103	Embedding of $RCD_{\check{K},N}$ spaces in L^2 via eigenfunctions. <i>Journal of Functional Analysis</i> , 2021, 280, 108968.	1.4	10
4104	Dynamical Analysis of the Dow Jones Index Using Dimensionality Reduction and Visualization. <i>Entropy</i> , 2021, 23, 600.	2.2	3
4105	Supervised Feature Selection With Orthogonal Regression and Feature Weighting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 1831-1838.	11.3	48
4106	On the Privacy Risks of Model Explanations. , 2021, , .		32

#	ARTICLE	IF	CITATIONS
4107	Multi-view Dynamic Heterogeneous Information Network Embedding. Computer Journal, 2022, 65, 2016-2033.	2.4	3
4108	(An overview of) Synergistic reconstruction for multimodality/multichannel imaging methods. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200205.	3.4	10
4109	A Roadmap towards Breast Cancer Therapies Supported by Explainable Artificial Intelligence. Applied Sciences (Switzerland), 2021, 11, 4881.	2.5	24
4110	Outer product enhanced heterogeneous information network embedding for recommendation. Expert Systems With Applications, 2021, 169, 114359.	7.6	17
4111	Intrinsic dimension estimation based on local adjacency information. Information Sciences, 2021, 558, 21-33.	6.9	5
4112	Conceptual and empirical comparison of dimensionality reduction algorithms (PCA, KPCA, LDA, MDS,) Tj ETQq1 1 0.784314 rgBT /Overl	15.3	308
4113	On the Classification of ECG and EEG Signals with Various Degrees of Dimensionality Reduction. Biosensors, 2021, 11, 161.	4.7	12
4114	RPCA-induced self-representation for subspace clustering. Neurocomputing, 2021, 437, 249-260.	5.9	3
4115	Hyperharmonic analysis for the study of high-order information-theoretic signals. Journal of Physics Complexity, 2021, 2, 035009.	2.2	6
4117	Hypergraph-Regularized Low-Rank Subspace Clustering Using Superpixels for Unsupervised Spatial Spectral Hyperspectral Classification. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 871-875.	3.1	15
4118	A generalized health indicator for performance degradation assessment of rolling element bearings based on graph spectrum reconstruction and spectrum characterization. Measurement: Journal of the International Measurement Confederation, 2021, 176, 109165.	5.0	18
4119	Sparsity and manifold regularized convolutional auto-encoders-based feature learning for fault detection of multivariate processes. Control Engineering Practice, 2021, 111, 104811.	5.5	21
4120	Uniform Manifold Approximation and Projection Analysis of Soccer Players. Entropy, 2021, 23, 793.	2.2	6
4121	Manifold Modeling in Machine Learning. Journal of Communications Technology and Electronics, 2021, 66, 754-763.	0.5	1
4122	Visible-NIR spectral characterization and grade inversion modelling study of the Dorni copper deposit. Infrared Physics and Technology, 2021, 115, 103717.	2.9	3
4123	Tensor dimensionality reduction via mode product and HSIC. IET Image Processing, 2021, 15, 2986-3002.	2.5	0
4124	Network Traffic Dynamics Prediction with a Hybrid Approach: Autoencoder-VAR. , 2021, , .		2
4125	A structural deep network embedding model for predicting associations between miRNA and disease based on molecular association network. Scientific Reports, 2021, 11, 12640.	3.3	7

#	ARTICLE	IF	CITATIONS
4126	Latent Discriminative Low-Rank Projection for Visual Dimension Reduction in Green Internet of Things. IEEE Transactions on Green Communications and Networking, 2021, 5, 737-749.	5.5	14
4127	Deep Attentive Multimodal Network Representation Learning for Social Media Images. ACM Transactions on Internet Technology, 2021, 21, 1-17.	4.4	4
4128	Fast calculation of Laplace-Beltrami eigenproblems via subdivision linear subspace. Computers and Graphics, 2021, 97, 236-247.	2.5	5
4129	Domain Adaptation Algorithm based on Manifold Regularization. , 2021, , .		1
4130	Dimensionality Reduction Based on kCCC and Manifold Learning. Journal of Mathematical Imaging and Vision, 2021, 63, 1010-1035.	1.3	0
4131	A Survey of Unsupervised Generative Models for Exploratory Data Analysis and Representation Learning. ACM Computing Surveys, 2022, 54, 1-40.	23.0	26
4132	Binary glioma grading framework employing locality preserving projections and Gaussian radial basis function support vector machine. International Journal of Imaging Systems and Technology, 2021, 31, 2047-2059.	4.1	1
4133	Interpretable Hyperspectral Artificial Intelligence: When nonconvex modeling meets hyperspectral remote sensing. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 52-87.	9.6	157
4134	TimeCycle: topology inspired method for the detection of cycling transcripts in circadian time-series data. Bioinformatics, 2021, 37, 4405-4413.	4.1	3
4135	Visualizing large-scale high-dimensional data via hierarchical embedding of KNN graphs. Visual Informatics, 2021, 5, 51-59.	4.4	11
4136	Spatiotemporal gated graph attention network for urban traffic flow prediction based on license plate recognition data. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 3-23.	9.8	28
4137	Low-rank nonnegative sparse representation and local preservation-based matrix regression for supervised image feature selection. IET Image Processing, 2021, 15, 3021.	2.5	2
4139	On the influence of feature selection with Laplacian Score in ECG signals classification. , 2021, , .		0
4140	Spectral-Locational-Spatial Manifold Learning for Hyperspectral Images Dimensionality Reduction. Remote Sensing, 2021, 13, 2752.	4.0	6
4141	Decoding brain states on the intrinsic manifold of human brain dynamics across wakefulness and sleep. Communications Biology, 2021, 4, 854.	4.4	23
4143	Applying inverse stereographic projection to manifold learning and clustering. Applied Intelligence, 2022, 52, 4443-4457.	5.3	3
4144	Complex Network Measures for Data Classification. , 2021, , .		2
4145	On the Role of Eigendecomposition in Kernel Embedding. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
4146	Sparse fuzzy two-dimensional discriminant local preserving projection (SF2DDLPP) for robust image feature extraction. Information Sciences, 2021, 563, 1-15.	6.9	27
4147	BioERP: biomedical heterogeneous network-based self-supervised representation learning approach for entity relationship predictions. Bioinformatics, 2021, 37, 4793-4800.	4.1	12
4148	Investigation of REFINED CNN ensemble learning for anti-cancer drug sensitivity prediction. Bioinformatics, 2021, 37, i42-i50.	4.1	12
4151	Accelerated manifold embedding for multi-view semi-supervised classification. Information Sciences, 2021, 562, 438-451.	6.9	16
4152	Random Forest-Based Diffusion Information Geometry for Supervised Visualization and Data Exploration. , 2021, , .		5
4153	Model Reduction And Neural Networks For Parametric PDEs. SMAI Journal of Computational Mathematics, 0, 7, 121-157.	0.0	89
4154	Adaptive Power Iteration Clustering. Knowledge-Based Systems, 2021, 225, 107118.	7.1	1
4155	Manifold-based respiratory phase estimation enables motion and distortion correction of free-breathing cardiac diffusion tensor MRI. Magnetic Resonance in Medicine, 2022, 87, 474-487.	3.0	3
4156	TigeCMN: On exploration of temporal interaction graph embedding via Coupled Memory Neural Networks. Neural Networks, 2021, 140, 13-26.	5.9	4
4157	FILDNE: A Framework for Incremental Learning of Dynamic Networks Embeddings. Knowledge-Based Systems, 2022, 236, 107453.	7.1	9
4158	Dynamic network embedding via structural attention. Expert Systems With Applications, 2021, 176, 114895.	7.6	5
4160	Balanced multiple weighted linear discriminant analysis and its application to visual process monitoring. Chinese Journal of Chemical Engineering, 2021, 36, 128-137.	3.5	3
4161	Diffusion representation for asymmetric kernels. Applied Numerical Mathematics, 2021, 166, 208-226.	2.1	1
4162	Improved SAR Imaging via Cross-Learning From Camera Images. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2587-2596.	4.7	1
4163	Functional harmonics reveal multi-dimensional basis functions underlying cortical organization. Cell Reports, 2021, 36, 109554.	6.4	24
4164	Dimensionality reduction and classification for hyperspectral image based on robust supervised ISOMAP. Journal of Industrial and Production Engineering, 0, , 1-11.	3.1	10
4165	Should We Embed in Chemistry? A Comparison of Unsupervised Transfer Learning with PCA, UMAP, and VAE on Molecular Fingerprints. Pharmaceuticals, 2021, 14, 758.	3.8	9
4166	STERLING: Towards Effective ECG Biometric Recognition. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
4167	Dimensionality reduction for classification of object weight from electromyography. PLoS ONE, 2021, 16, e0255926.	2.5	4
4168	Heterogeneous-attributes enhancement deep framework for network embedding. Frontiers of Computer Science, 2021, 15, 1.	2.4	2
4170	Manifold adversarial training for supervised and semi-supervised learning. Neural Networks, 2021, 140, 282-293.	5.9	14
4171	Manifold alignment for heterogeneous single-cell multi-omics data integration using Pamona. Bioinformatics, 2021, 38, 211-219.	4.1	44
4172	Emergence of canonical functional networks from the structural connectome. NeuroImage, 2021, 237, 118190.	4.2	15
4173	Integrating Information Visualization and Dimensionality Reduction: A pathway to Bridge the Gap between Natural and Artificial Intelligence. Tecno Lógicas, 2021, 24, e2108.	0.3	0
4174	Supervised application of internal validation measures to benchmark dimensionality reduction methods in scRNA-seq data. Briefings in Bioinformatics, 2021, 22, .	6.5	9
4176	Tackling random fields non-linearities with unsupervised clustering of polynomial chaos expansion in latent space: application to global sensitivity analysis of river flooding. Stochastic Environmental Research and Risk Assessment, 2022, 36, 693-718.	4.0	7
4177	Nonnegative spectral clustering and adaptive graph-based matrix regression for unsupervised image feature selection. Multimedia Tools and Applications, 2021, 80, 32885.	3.9	1
4178	Random fields representation over manifolds via isometric feature mapping-based dimension reduction. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 593-611.	9.8	15
4179	Multiscale representations of community structures in attractor neural networks. PLoS Computational Biology, 2021, 17, e1009296.	3.2	5
4180	Initialization Matters. , 2021, , .		6
4181	Discriminant analysis based on reliability of local neighborhood. Expert Systems With Applications, 2021, 175, 114790.	7.6	7
4182	Local quasi-linear embedding based on kronecker product expansion of vectors. Journal of Intelligent and Fuzzy Systems, 2021, 41, 2195-2205.	1.4	0
4183	Deep Learning on Graphs: An Introduction. , 2021, , 1-14.		0
4184	Foundations of Deep Learning. , 2021, , 43-72.		1
4186	Advanced Topics in Graph Neural Networks. , 2021, , 267-280.		0
4187	Unsupervised feature selection via multi-step markov probability relationship. Neurocomputing, 2021, 453, 241-253.	5.9	2

#	ARTICLE	IF	CITATIONS
4188	Laplacian pair-weight vector projection for semi-supervised learning. Information Sciences, 2021, 573, 1-19.	6.9	11
4189	Comparative study of different dimensionality reduction methods in hyperspectral image classification. Journal of Physics: Conference Series, 2021, 2024, 012009.	0.4	0
4190	Convergence of graph Laplacian with kNN self-tuned kernels. Information and Inference, 2022, 11, 889-957.	1.6	3
4191	Toward Domain Adaptation for small data sets. Internet of Things (Netherlands), 2021, 16, 100458.	7.7	2
4192	Optimization based manifold embedding for hyperspectral image classification and visualization. Remote Sensing Letters, 2021, 12, 1158-1166.	1.4	0
4193	An Optimization Technique for Linear Manifold Learning-Based Dimensionality Reduction: Evaluations on Hyperspectral Images. Applied Sciences (Switzerland), 2021, 11, 9063.	2.5	2
4194	Scalable Graph Neural Networks. , 2021, , 162-175.		0
4195	Advanced Applications in Graph Neural Networks. , 2021, , 281-288.		0
4196	Graph Embedding. , 2021, , 75-106.		0
4197	A Regularized Approach For Respiratory Motion Estimation From Short-Time Projection Data Frames In Emission Tomography. , 2021, , .		1
4198	Reproducing kernel Hilbert space compactification of unitary evolution groups. Applied and Computational Harmonic Analysis, 2021, 54, 75-136.	2.2	30
4199	A new affinity matrix weighted k-nearest neighbors graph to improve spectral clustering accuracy. PeerJ Computer Science, 2021, 7, e692.	4.5	3
4200	The Laplacian eigenmaps dimensionality reduction of fMRI data for discovering stimulus-induced changes in the resting-state brain activity. NeuroImage Reports, 2021, 1, 100035.	1.0	3
4201	Embedding Tangent Space Extreme Learning Machine for EEG Decoding in Brain Computer Interface Systems. Journal of Control Science and Engineering, 2021, 2021, 1-11.	1.0	2
4202	MVGCN: data integration through multi-view graph convolutional network for predicting links in biomedical bipartite networks. Bioinformatics, 2022, 38, 426-434.	4.1	40
4203	Beyond GNNs: More Deep Models on Graphs. , 2021, , 188-204.		0
4204	Graph Neural Networks. , 2021, , 107-137.		0
4207	Graph Neural Networks for Complex Graphs. , 2021, , 176-187.		0

#	ARTICLE	IF	CITATIONS
4208	Manifold Learning with Arbitrary Norms. Journal of Fourier Analysis and Applications, 2021, 27, 1.	1.0	10
4210	Graph Neural Networks in Natural Language Processing. , 2021, , 207-221.		0
4212	Robust Graph Neural Networks. , 2021, , 138-161.		0
4214	Network Diffusion Embedding Reveals Transdiagnostic Subnetwork Disruption and Potential Treatment Targets in Internalizing Psychopathologies. Cerebral Cortex, 2022, 32, 1823-1839.	2.9	1
4215	Multi-view Clustering Based on Low-rank Representation and Adaptive Graph Learning. Neural Processing Letters, 2022, 54, 265-283.	3.2	10
4217	Foundations of Graphs. , 2021, , 17-42.		0
4218	Graph Neural Networks in Data Mining. , 2021, , 236-251.		6
4220	Graph Neural Networks in Computer Vision. , 2021, , 222-235.		0
4221	Graph Neural Networks in Biochemistry and Health Care. , 2021, , 252-264.		0
4222	Graph representation learning in bioinformatics: trends, methods and applications. Briefings in Bioinformatics, 2022, 23, .	6.5	64
4224	Insights into population behavior during the COVID-19 pandemic from cell phone mobility data and manifold learning. Nature Computational Science, 2021, 1, 588-597.	8.0	26
4225	Signal processing on higher-order networks: Livinâ€™ on the edge... and beyond. Signal Processing, 2021, 187, 108149.	3.7	60
4226	scLINE: A multi-network integration framework based on network embedding for representation of single-cell RNA-seq data. Journal of Biomedical Informatics, 2021, 122, 103899.	4.3	5
4227	Length-optimal tool path planning for freeform surfaces with preferred feed directions based on Poisson formulation. CAD Computer Aided Design, 2021, 139, 103072.	2.7	11
4228	Driver distraction analysis using face pose cues. Expert Systems With Applications, 2021, 179, 115036.	7.6	14
4229	Sparsity-aware robust community detection (SPARCODE). Signal Processing, 2021, 187, 108147.	3.7	4
4230	Learning cognitive embedding using signed knowledge interaction graph. Knowledge-Based Systems, 2021, 229, 107327.	7.1	3
4231	Info2vec: An aggregative representation method in multi-layer and heterogeneous networks. Information Sciences, 2021, 574, 444-460.	6.9	5

#	ARTICLE	IF	CITATIONS
4232	Online Semisupervised Broad Learning System for Industrial Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2021, 17, 6644-6654.	11.3	45
4233	Supervised discriminant Isomap with maximum margin graph regularization for dimensionality reduction. Expert Systems With Applications, 2021, 180, 115055.	7.6	21
4234	Example-feature graph convolutional networks for semi-supervised classification. Neurocomputing, 2021, 461, 63-76.	5.9	10
4235	Selection methodology of representative meteorological days for assessment of renewable energy systems. Renewable Energy, 2021, 177, 34-51.	8.9	19
4236	Deep autoencoders for physics-constrained data-driven nonlinear materials modeling. Computer Methods in Applied Mechanics and Engineering, 2021, 385, 114034.	6.6	36
4237	SANE: A sequence combined attentive network embedding model for COVID-19 drug repositioning. Applied Soft Computing Journal, 2021, 111, 107831.	7.2	23
4238	Geometry and statistics-preserving manifold embedding for nonlinear dimensionality reduction. Pattern Recognition Letters, 2021, 151, 155-162.	4.2	8
4239	Adaptive reverse graph learning for robust subspace learning. Information Processing and Management, 2021, 58, 102733.	8.6	46
4240	Sparse additive discriminant canonical correlation analysis for multiple features fusion. Neurocomputing, 2021, 463, 185-197.	5.9	4
4241	Semi-supervised classification-aware cross-modal deep adversarial data augmentation. Future Generation Computer Systems, 2021, 125, 194-205.	7.5	8
4242	Theoretical framework in graph embedding-based discriminant dimensionality reduction. Signal Processing, 2021, 189, 108289.	3.7	5
4243	Domain structure-based transfer learning for cross-domain word representation. Information Fusion, 2021, 76, 145-156.	19.1	5
4244	Network representation learning systematic review: Ancestors and current development state. Machine Learning With Applications, 2021, 6, 100130.	4.4	5
4245	Laplacian Echo-State Networks for production analysis and forecasting in unconventional reservoirs. Journal of Petroleum Science and Engineering, 2021, 207, 109068.	4.2	9
4246	GraphXCOVID: Explainable deep graph diffusion pseudo-Labeling for identifying COVID-19 on chest X-rays. Pattern Recognition, 2022, 122, 108274.	8.1	26
4247	Spectral analysis of weighted Laplacians arising in data clustering. Applied and Computational Harmonic Analysis, 2022, 56, 189-249.	2.2	3
4248	Multiscale regression on unknown manifolds. Mathematics in Engineering, 2022, 4, 1-25.	0.9	3
4249	Neighborhood preserving embedding on Grassmann manifold for image-set analysis. Pattern Recognition, 2022, 122, 108335.	8.1	12

#	ARTICLE	IF	CITATIONS
4250	Dense Pixel-Wise Micro-motion Estimation of Object Surface by Using Low Dimensional Embedding of Laser Speckle Pattern. Lecture Notes in Computer Science, 2021, , 700-715.	1.3	0
4251	Detection of Drug-Drug Interactions Through Knowledge Graph Integrating Multi-attention with Capsule Network. Lecture Notes in Computer Science, 2021, , 423-432.	1.3	2
4252	Multi-Source Multi-Domain Data Fusion for Cyberattack Detection in Power Systems. IEEE Access, 2021, 9, 119118-119138.	4.2	32
4253	Discovering Interdisciplinarily Spread Knowledge in the Academic Literature. IEEE Access, 2021, 9, 124142-124151.	4.2	1
4255	Point-of-Interest Recommendation With Global and Local Context. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5484-5495.	5.7	25
4256	Graph-based Embedding Smoothing for Sequential Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	13
4257	Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. IEEE Transactions on Signal Processing, 2021, 69, 1271-1286.	5.3	4
4258	Diffusion State Distances: Multitemporal Analysis, Fast Algorithms, and Applications to Biological Networks. SIAM Journal on Mathematics of Data Science, 2021, 3, 142-170.	1.8	5
4259	Representing Deep Neural Networks Latent Space Geometries with Graphs. Algorithms, 2021, 14, 39.	2.1	4
4260	Inherent Nonlinear Distribution of High-Dimensional Genotypic Data Identified as a Possible Source of Confounding Factors in Population Structure Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 2305-2312.	3.0	0
4261	A Hybrid Signal-Based Fault Diagnosis Method for Lithium-Ion Batteries in Electric Vehicles. IEEE Access, 2021, 9, 19175-19186.	4.2	32
4262	Embedding Regularizer Learning for Multi-View Semi-Supervised Classification. IEEE Transactions on Image Processing, 2021, 30, 6997-7011.	9.8	16
4263	How to Trust Unlabeled Data? Instance Credibility Inference for Few-Shot Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6240-6253.	13.9	21
4265	Opinion Dynamics on Discourse Sheaves. SIAM Journal on Applied Mathematics, 2021, 81, 2033-2060.	1.8	9
4268	Discriminant diffusion maps based on nearest-neighbour for batch process fault detection. Canadian Journal of Chemical Engineering, 2018, 96, 484-496.	1.7	6
4272	Determining Intrinsic Dimension and Entropy of High-Dimensional Shape Spaces. Modeling and Simulation in Science, Engineering and Technology, 2006, , 231-252.	0.6	29
4273	Neighborhood Preserving Projections (NPP): A Novel Linear Dimension Reduction Method. Lecture Notes in Computer Science, 2005, , 117-125.	1.3	70
4274	Dimensionality Reduction for Semi-supervised Face Recognition. Lecture Notes in Computer Science, 2005, , 1-10.	1.3	7

#	ARTICLE	IF	CITATIONS
4275	Selection of the Optimal Parameter Value for the ISOMAP Algorithm. Lecture Notes in Computer Science, 2005, , 396-404.	1.3	10
4277	Robust Multi-body Motion Tracking Using Commute Time Clustering. Lecture Notes in Computer Science, 2006, , 160-173.	1.3	7
4278	Riemannian Manifold Learning for Nonlinear Dimensionality Reduction. Lecture Notes in Computer Science, 2006, , 44-55.	1.3	42
4279	Combining Label Information and Neighborhood Graph for Semi-supervised Learning. Lecture Notes in Computer Science, 2006, , 482-488.	1.3	4
4280	Uniform Convergence of Adaptive Graph-Based Regularization. Lecture Notes in Computer Science, 2006, , 50-64.	1.3	25
4281	Acquisition of Articulated Human Body Models Using Multiple Cameras. Lecture Notes in Computer Science, 2006, , 78-89.	1.3	3
4282	Trace Formula Analysis of Graphs. Lecture Notes in Computer Science, 2006, , 306-313.	1.3	4
4283	Graph Embedding Using Commute Time. Lecture Notes in Computer Science, 2006, , 441-449.	1.3	3
4284	A Leave-K-Out Cross-Validation Scheme for Unsupervised Kernel Regression. Lecture Notes in Computer Science, 2006, , 427-436.	1.3	4
4285	Graph Based Semi-supervised Learning with Sharper Edges. Lecture Notes in Computer Science, 2006, , 401-412.	1.3	13
4288	Kernel Laplacian Eigenmaps for Visualization of Non-vectorial Data. Lecture Notes in Computer Science, 2006, , 1179-1183.	1.3	16
4289	Perspectives and Challenges to Harmonic Analysis and Geometry in High Dimensions: Geometric Diffusions as a Tool for Harmonic Analysis and Structure Definition of Data. , 2005, , 27-35.		1
4290	Fuzzy Clustering: Consistency of Entropy Regularization. , 2005, , 95-107.		3
4291	Geometric Methods for Feature Extraction and Dimensional Reduction - A Guided Tour. , 2009, , 53-82.		27
4292	Feature Selection. , 2014, , 291-294.		1
4293	Learning Sensor Location from Signal Strength and Connectivity. Advances in Information Security, 2007, , 57-81.	1.2	15
4294	A Diffusion Framework for Dimensionality Reduction. , 2008, , 315-325.		6
4295	Non-linear Techniques for Dimension Reduction. , 2009, , 1003-1007.		5

#	ARTICLE	IF	CITATIONS
4296	Manifold Intrinsic Similarity. , 2011, , 1403-1452.		3
4297	Some Recent Advances in Multiscale Geometric Analysis of Point Clouds. Applied and Numerical Harmonic Analysis, 2011, , 199-225.	0.3	11
4298	Signal Ensemble Classification Using Low-Dimensional Embeddings and Earth Mover's Distance. , 2011, , 227-256.		1
4299	Harmonic Analysis of Digital Data Bases. Applied and Numerical Harmonic Analysis, 2011, , 161-197.	0.3	25
4301	Distributed Sensing and Processing for Multi-Camera Networks. , 2011, , 85-101.		5
4302	Statistical and Bioinformatics Analysis of Data from Bulk and Single-Cell RNA Sequencing Experiments. Methods in Molecular Biology, 2021, 2194, 143-175.	0.9	12
4303	The Role of Manifold Learning in Human Motion Analysis. Computational Imaging and Vision, 2008, , 25-56.	0.6	26
4304	Graphical Models for Human Motion Modelling. Computational Imaging and Vision, 2008, , 159-183.	0.6	2
4305	Strategies for Multidimensional Data Visualization. Springer Optimization and Its Applications, 2013, , 5-40.	0.9	2
4306	The Role of Dynamics in Extracting Information Sparsely Encoded in High Dimensional Data Streams. Springer Optimization and Its Applications, 2010, , 1-27.	0.9	6
4307	Finding High-Order Correlations in High-Dimensional Biological Data. , 2010, , 505-534.		6
4308	Exploiting Non-linear Structure in Astronomical Data for Improved Statistical Inference. Lecture Notes in Statistics, 2012, , 255-267.	0.2	3
4310	ASAP: An Eigenvector Synchronization Algorithm for the Graph Realization Problem. , 2013, , 177-195.		4
4311	Spectral Clustering. , 2016, , 1-5.		1
4312	Feature Extraction Methods and Manifold Learning Methods. , 2008, , 305-341.		3
4313	Mind the Gaps-Finding the Appropriate Dimensional Representation for Semantic Retrieval of Multimedia Assets. , 2008, , 229-252.		4
4314	Automated CNN-Based Reconstruction of Short-Axis Cardiac MR Sequence from Real-Time Image Data. Lecture Notes in Computer Science, 2018, , 32-41.	1.3	5
4315	Joint and Progressive Learning from High-Dimensional Data for Multi-label Classification. Lecture Notes in Computer Science, 2018, , 478-493.	1.3	27

#	ARTICLE	IF	CITATIONS
4316	Minimal Lipschitz Extensions for Vector-Valued Functions on Finite Graphs. Lecture Notes in Computer Science, 2019, , 183-195.	1.3	1
4317	Image Structure Subspace Learning Using Structural Similarity Index. Lecture Notes in Computer Science, 2019, , 33-44.	1.3	2
4319	GraphX $\mathbf{\text{small NET}}$ - Chest X-Ray Classification Under Extreme Minimal Supervision. Lecture Notes in Computer Science, 2019, , 504-512.	1.3	14
4320	Sparse Circular Coordinates via Principal \mathbb{Z} -Bundles. Abel Symposia, 2020, , 435-458.	0.3	7
4322	TemporalGAT: Attention-Based Dynamic Graph Representation Learning. Lecture Notes in Computer Science, 2020, , 413-423.	1.3	13
4323	Spectral Cluster Maps Versus Spectral Clustering. Lecture Notes in Computer Science, 2020, , 472-484.	1.3	3
4324	DeepAD: A Joint Embedding Approach for Anomaly Detection on Attributed Networks. Lecture Notes in Computer Science, 2020, , 294-307.	1.3	9
4325	Deep Representation Learning for Multimodal Brain Networks. Lecture Notes in Computer Science, 2020, 12267, 613-624.	1.3	15
4326	A Network Embedding-Based Method for Predicting miRNA-Disease Associations by Integrating Multiple Information. Lecture Notes in Computer Science, 2020, , 367-377.	1.3	1
4327	Efficient Graph Construction for Label Propagation Based Multi-observation Face Recognition. Lecture Notes in Computer Science, 2013, , 124-135.	1.3	3
4328	Event Detection Using Quantized Binary Code and Spatial-Temporal Locality Preserving Projections. Lecture Notes in Computer Science, 2013, , 123-134.	1.3	1
4329	Short Review of Dimensionality Reduction Methods Based on Stochastic Neighbour Embedding. Advances in Intelligent Systems and Computing, 2014, , 65-74.	0.6	16
4330	Continuum Armed Bandit Problem of Few Variables in High Dimensions. Lecture Notes in Computer Science, 2014, , 108-119.	1.3	4
4331	Manifold Learning in Data Mining Tasks. Lecture Notes in Computer Science, 2014, , 119-133.	1.3	8
4332	Shape from Light Field Meets Robust PCA. Lecture Notes in Computer Science, 2014, , 751-767.	1.3	42
4333	Low-Dimensional Data Representation in Data Analysis. Lecture Notes in Computer Science, 2014, , 47-58.	1.3	7
4334	Low-Rank Transfer Learning. , 2014, , 87-115.		3
4335	Low Rank Tensor Manifold Learning. , 2014, , 133-150.		2

#	ARTICLE	IF	CITATIONS
4336	Meta-Modelling Techniques Towards Virtual Production Intelligence. Lecture Notes in Production Engineering, 2015, , 69-84.	0.4	5
4337	Hierarchical Models for Uncertainty Quantification: An Overview. , 2017, , 193-218.		2
4338	Hashing for Financial Credit Risk Analysis. Lecture Notes in Computer Science, 2014, , 395-403.	1.3	1
4339	Considerations About Multistep Community Detection. Lecture Notes in Computer Science, 2014, , 549-561.	1.3	3
4340	Representation Learning with Smooth Autoencoder. Lecture Notes in Computer Science, 2015, , 72-86.	1.3	4
4341	Spectral Representations of One-Homogeneous Functionals. Lecture Notes in Computer Science, 2015, , 16-27.	1.3	21
4342	Unsupervised Learning Using the Tensor Voting Graph. Lecture Notes in Computer Science, 2015, , 282-293.	1.3	3
4343	Multiscale Texture Orientation Analysis Using Spectral Total-Variation Decomposition. Lecture Notes in Computer Science, 2015, , 486-497.	1.3	4
4344	A Self-Organising Multi-Manifold Learning Algorithm. Lecture Notes in Computer Science, 2015, , 389-398.	1.3	3
4346	IKLTSa: An Incremental Kernel LTSa Method. Lecture Notes in Computer Science, 2015, , 70-83.	1.3	1
4347	Projective Label Propagation by Label Embedding. Lecture Notes in Computer Science, 2015, , 470-481.	1.3	8
4348	Fast Reconstruction of Accelerated Dynamic MRI Using Manifold Kernel Regression. Lecture Notes in Computer Science, 2015, , 510-518.	1.3	6
4349	Joint Learning of Multiple Longitudinal Prediction Models by Exploring Internal Relations. Lecture Notes in Computer Science, 2015, , 330-337.	1.3	10
4350	Transfer Learning in Large-Scale Short Text Analysis. Lecture Notes in Computer Science, 2015, , 499-511.	1.3	2
4351	Patch-Based Mathematical Morphology for Image Processing, Segmentation and Classification. Lecture Notes in Computer Science, 2015, , 46-57.	1.3	2
4352	Beyond the Boundaries of SMOTE. Lecture Notes in Computer Science, 2016, , 248-263.	1.3	15
4353	Unsupervised Learning of Visual Representations by Solving Jigsaw Puzzles. Lecture Notes in Computer Science, 2016, , 69-84.	1.3	964
4354	t-Distributed Stochastic Neighbor Embedding with Inhomogeneous Degrees of Freedom. Lecture Notes in Computer Science, 2016, , 119-128.	1.3	7

#	ARTICLE	IF	CITATIONS
4355	Boundary Mapping Through Manifold Learning for Connectivity-Based Cortical Parcellation. Lecture Notes in Computer Science, 2016, , 115-122.	1.3	2
4356	A Manifold Learning Algorithm Based on Incremental Tangent Space Alignment. Lecture Notes in Computer Science, 2016, , 541-552.	1.3	1
4357	Ensemble of Feature Sets and Classification Methods for Stance Detection. Lecture Notes in Computer Science, 2016, , 679-688.	1.3	10
4358	Longitudinal Scoliotic Trunk Analysis via Spectral Representation and Statistical Analysis. Lecture Notes in Computer Science, 2016, , 79-91.	1.3	3
4359	Interactive Data Visualization Using Dimensionality Reduction and Similarity-Based Representations. Lecture Notes in Computer Science, 2017, , 334-342.	1.3	7
4360	Object Oriented Models vs. Data Analysis “Is This the Right Alternative?”. Boston Studies in the Philosophy and History of Science, 2017, , 253-286.	0.9	5
4361	Unsupervised Multi-manifold Classification of Hyperspectral Remote Sensing Images with Contractive Autoencoder. Lecture Notes in Computer Science, 2017, , 169-180.	1.3	5
4363	Missing Data Completion Using Diffusion Maps and Laplacian Pyramids. Lecture Notes in Computer Science, 2017, , 284-297.	1.3	4
4364	Maximum Likelihood Estimation of Riemannian Metrics from Euclidean Data. Lecture Notes in Computer Science, 2017, , 38-46.	1.3	1
4365	Interactive Data Visualization Using Dimensionality Reduction and Dissimilarity-Based Representations. Lecture Notes in Computer Science, 2017, , 461-469.	1.3	5
4366	Identifying Characteristic Genes and Clustering via an Lp-Norm Robust Feature Selection Method for Integrated Data. Lecture Notes in Computer Science, 2018, , 419-431.	1.3	1
4367	Manifold Learning Regression with Non-stationary Kernels. Lecture Notes in Computer Science, 2018, , 152-164.	1.3	5
4368	Performing Locally Linear Embedding with Adaptable Neighborhood Size on Manifold. Lecture Notes in Computer Science, 2006, , 985-989.	1.3	5
4369	Clustering-Based Nonlinear Dimensionality Reduction on Manifold. Lecture Notes in Computer Science, 2006, , 444-453.	1.3	6
4370	A More Topologically Stable Locally Linear Embedding Algorithm Based on R*-Tree. , 2008, , 803-812.		3
4371	Manifold Construction by Local Neighborhood Preservation. Lecture Notes in Computer Science, 2007, , 683-692.	1.3	31
4372	Video Semantic Concept Detection Using Multi-modality Subspace Correlation Propagation. Lecture Notes in Computer Science, 2006, , 527-534.	1.3	4
4373	Texture Classification with Generalized Fourier Descriptors in Dimensionality Reduction Context: An Overview Exploration. Lecture Notes in Computer Science, 2008, , 280-291.	1.3	6

#	ARTICLE	IF	CITATIONS
4374	Embedding New Data Points for Manifold Learning Via Coordinate Propagation. , 2007, , 332-343.		4
4375	Robust Pose Estimation Using the SwissRanger SR-3000 Camera. , 2007, , 968-975.		1
4376	Weighted Kernel Isomap for Data Visualization and Pattern Classification. Lecture Notes in Computer Science, 2007, , 1050-1057.	1.3	2
4377	Understanding the Environment Through Wireless Sensor Networks. Lecture Notes in Computer Science, 2007, , 72-83.	1.3	3
4378	Semi-definite Manifold Alignment. Lecture Notes in Computer Science, 2007, , 773-781.	1.3	16
4379	Comparison of Dimension Reduction Methods for Database-Adaptive 3D Model Retrieval. Lecture Notes in Computer Science, 2008, , 196-210.	1.3	6
4380	Large-Scale Clustering through Functional Embedding. Lecture Notes in Computer Science, 2008, , 266-281.	1.3	6
4381	Multiple Manifolds Learning Framework Based on Hierarchical Mixture Density Model. Lecture Notes in Computer Science, 2008, , 566-581.	1.3	13
4382	Nonlinear Principal Manifolds – Adaptive Hybrid Learning Approaches. Lecture Notes in Computer Science, 2008, , 15-29.	1.3	1
4383	Illumination and Person-Insensitive Head Pose Estimation Using Distance Metric Learning. Lecture Notes in Computer Science, 2008, , 624-637.	1.3	18
4384	View Point Tracking of Rigid Objects Based on Shape Sub-manifolds. Lecture Notes in Computer Science, 2008, , 251-263.	1.3	2
4385	Semantic Concept Classification by Joint Semi-supervised Learning of Feature Subspaces and Support Vector Machines. Lecture Notes in Computer Science, 2008, , 270-283.	1.3	4
4386	LDR-LLE: LLE with Low-Dimensional Neighborhood Representation. Lecture Notes in Computer Science, 2008, , 43-54.	1.3	12
4387	Bilateral Two-Dimensional Locality Preserving Projections with Its Application to Face Recognition. Lecture Notes in Computer Science, 2009, , 423-428.	1.3	5
4388	Inexact Matching of Large and Sparse Graphs Using Laplacian Eigenvectors. Lecture Notes in Computer Science, 2009, , 144-153.	1.3	27
4389	Pre-image as Karcher Mean Using Diffusion Maps: Application to Shape and Image Denoising. Lecture Notes in Computer Science, 2009, , 721-732.	1.3	8
4390	Inverse-Consistent Surface Mapping with Laplace-Beltrami Eigen-Features. Lecture Notes in Computer Science, 2009, 21, 467-478.	1.3	37
4391	Locality Preserving Discriminant Projections. Lecture Notes in Computer Science, 2009, , 566-572.	1.3	11

#	ARTICLE	IF	CITATIONS
4392	Constrained Maximum Variance Mapping for Tumor Classification. Lecture Notes in Computer Science, 2009, , 102-111.	1.3	1
4393	Facial Expression Recognition with Local Binary Pattern and Laplacian Eigenmaps. Lecture Notes in Computer Science, 2009, , 228-235.	1.3	6
4394	Video Sequences Association for People Re-identification across Multiple Non-overlapping Cameras. Lecture Notes in Computer Science, 2009, , 179-189.	1.3	20
4395	Transductive Classification via Dual Regularization. Lecture Notes in Computer Science, 2009, , 439-454.	1.3	5
4396	Cortical Shape Analysis in the Laplace-Beltrami Feature Space. Lecture Notes in Computer Science, 2009, 12, 208-215.	1.3	7
4397	Adaptive Neighborhood Select Based on Local Linearity for Nonlinear Dimensionality Reduction. Lecture Notes in Computer Science, 2009, , 337-348.	1.3	5
4398	Combinatorial Preconditioners and Multilevel Solvers for Problems in Computer Vision and Image Processing. Lecture Notes in Computer Science, 2009, , 1067-1078.	1.3	20
4399	Robust Local Tangent Space Alignment. Lecture Notes in Computer Science, 2009, , 293-301.	1.3	6
4400	Hierarchical Clustering with Performance Guarantees. Studies in Classification, Data Analysis, and Knowledge Organization, 2010, , 3-14.	0.2	2
4401	Laplacian Co-hashing of Terms and Documents. Lecture Notes in Computer Science, 2010, , 577-580.	1.3	23
4402	Learning Bundle Manifold by Double Neighborhood Graphs. Lecture Notes in Computer Science, 2010, , 321-330.	1.3	2
4403	Analysis of Temporal-spatial Co-variation within Gene Expression Microarray Data in an Organogenesis Model. Lecture Notes in Computer Science, 2010, , 38-49.	1.3	4
4404	Color VQ-Based Image Compression by Manifold Learning. Lecture Notes in Computer Science, 2010, , 79-85.	1.3	1
4406	Fast ISOMAP Based on Minimum Set Coverage. Lecture Notes in Computer Science, 2010, , 173-179.	1.3	8
4408	Manifold Learning for Object Tracking with Multiple Motion Dynamics. Lecture Notes in Computer Science, 2010, , 172-185.	1.3	12
4409	Image Categorization Using Directed Graphs. Lecture Notes in Computer Science, 2010, , 762-775.	1.3	7
4410	High Dimensionality Reduction Using CUR Matrix Decomposition and Auto-encoder for Web Image Classification. Lecture Notes in Computer Science, 2010, , 1-12.	1.3	3
4411	Combining Morphological Information in a Manifold Learning Framework: Application to Neonatal MRI. Lecture Notes in Computer Science, 2010, 13, 1-8.	1.3	14

#	ARTICLE	IF	CITATIONS
4412	Manifold Learning for Image-Based Breathing Gating with Application to 4D Ultrasound. Lecture Notes in Computer Science, 2010, 13, 26-33.	1.3	25
4413	Endoscopic Video Manifolds. Lecture Notes in Computer Science, 2010, 13, 437-445.	1.3	10
4414	Euclidean Distances, Soft and Spectral Clustering on Weighted Graphs. Lecture Notes in Computer Science, 2010, , 103-118.	1.3	9
4415	High-Throughput Prostate Cancer Gland Detection, Segmentation, and Classification from Digitized Needle Core Biopsies. Lecture Notes in Computer Science, 2010, , 77-88.	1.3	10
4416	FolkDiffusion: A Graph-Based Tag Suggestion Method for Folksonomies. Lecture Notes in Computer Science, 2010, , 231-240.	1.3	13
4417	Mitosis Extraction in Breast-Cancer Histopathological Whole Slide Images. Lecture Notes in Computer Science, 2010, , 539-548.	1.3	4
4418	A General Framework for Dimensionality Reduction for Large Data Sets. Lecture Notes in Computer Science, 2011, , 277-287.	1.3	3
4419	An Empirical Study on the Performance of Spectral Manifold Learning Techniques. Lecture Notes in Computer Science, 2011, , 347-354.	1.3	2
4420	Manifold Learning for Visualization of Vibrational States of a Rotating Machine. Lecture Notes in Computer Science, 2011, , 285-292.	1.3	1
4421	Spectral Clustering of ROIs for Object Discovery. Lecture Notes in Computer Science, 2011, , 450-455.	1.3	3
4422	Learning Gestures for Customizable Human-Computer Interaction in the Operating Room. Lecture Notes in Computer Science, 2011, 14, 129-136.	1.3	19
4423	Targeted Optical Biopsies for Surveillance Endoscopies. Lecture Notes in Computer Science, 2011, 14, 83-90.	1.3	4
4424	Biological Indexes Based Reflectional Asymmetry for Classifying Cutaneous Lesions. Lecture Notes in Computer Science, 2011, 14, 124-132.	1.3	5
4425	Robust Signal Generation and Analysis of Rat Embryonic Heart Rate in Vitro Using Laplacian Eigenmaps and Empirical Mode Decomposition. Lecture Notes in Computer Science, 2011, , 523-530.	1.3	2
4426	COSNet: A Cost Sensitive Neural Network for Semi-supervised Learning in Graphs. Lecture Notes in Computer Science, 2011, , 219-234.	1.3	21
4428	A Parameter-Free Locality Sensitive Discriminant Analysis and Its Application to Coarse 3D Head Pose Estimation. Lecture Notes in Computer Science, 2011, , 545-554.	1.3	1
4429	Random Forest-Based Manifold Learning for Classification of Imaging Data in Dementia. Lecture Notes in Computer Science, 2011, , 159-166.	1.3	16
4430	Computer-Aided Detection of Polyps in CT Colonography with Pixel-Based Machine Learning Techniques. Lecture Notes in Computer Science, 2011, , 360-367.	1.3	1

#	ARTICLE	IF	CITATIONS
4431	Distance Images and Intermediate-Level Vision. Lecture Notes in Computer Science, 2012, , 653-664.	1.3	2
4432	Multiple Manifold Learning by Nonlinear Dimensionality Reduction. Lecture Notes in Computer Science, 2011, , 206-213.	1.3	7
4433	On the Computation of the Geodesic Distance with an Application to Dimensionality Reduction in a Neuro-Oncology Problem. Lecture Notes in Computer Science, 2011, , 483-490.	1.3	1
4434	A Discriminative Non-linear Manifold Learning Technique for Face Recognition. Communications in Computer and Information Science, 2011, , 339-353.	0.5	1
4435	Multi-view Laplacian Support Vector Machines. Lecture Notes in Computer Science, 2011, , 209-222.	1.3	65
4436	User Graph Regularized Pairwise Matrix Factorization for Item Recommendation. Lecture Notes in Computer Science, 2011, , 372-385.	1.3	29
4437	Optimizing Multimedia Retrieval Using Multimodal Fusion and Relevance Feedback Techniques. Lecture Notes in Computer Science, 2012, , 716-727.	1.3	3
4438	Laplacian Eigenmaps. , 2012, , 235-247.		9
4439	Hessian Locally Linear Embedding. , 2012, , 249-265.		4
4440	“1-Graph Based Community Detection in Online Social Networks. Lecture Notes in Computer Science, 2012, , 644-651.	1.3	2
4441	An Overview of Computational Sparse Models and Their Applications in Artificial Intelligence. Studies in Computational Intelligence, 2013, , 345-369.	0.9	8
4442	AWESOM: Automatic Discrete Partitioning of Indoor Spaces for WiFi Fingerprinting. Lecture Notes in Computer Science, 2012, , 271-288.	1.3	7
4443	Cervical Cell Classification Based Exclusively on Nucleus Features. Lecture Notes in Computer Science, 2012, , 483-490.	1.3	26
4444	Data-Based Modeling and Monitoring for Multimode Processes Using Local Tangent Space Alignment. Lecture Notes in Computer Science, 2012, , 169-178.	1.3	2
4446	Hierarchical Manifold Learning. Lecture Notes in Computer Science, 2012, 15, 512-519.	1.3	11
4447	Pavement Distress Image Recognition Based on Multilayer Autoencoders. Lecture Notes in Computer Science, 2012, , 666-673.	1.3	3
4448	Efficient Optimization for Low-Rank Integrated Bilinear Classifiers. Lecture Notes in Computer Science, 2012, , 474-487.	1.3	11
4449	Graph Degree Linkage: Agglomerative Clustering on a Directed Graph. Lecture Notes in Computer Science, 2012, , 428-441.	1.3	80

#	ARTICLE	IF	CITATIONS
4450	Dual-Force Metric Learning for Robust Distracter-Resistant Tracker. Lecture Notes in Computer Science, 2012, , 513-527.	1.3	18
4451	Efficient Similarity Derived from Kernel-Based Transition Probability. Lecture Notes in Computer Science, 2012, , 371-385.	1.3	3
4452	Modified Divergences for Gaussian Densities. Lecture Notes in Computer Science, 2012, , 426-436.	1.3	2
4453	Human Action Recognition in Video by Fusion of Structural and Spatio-temporal Features. Lecture Notes in Computer Science, 2012, , 474-482.	1.3	1
4454	Supervised Isomap Based on Pairwise Constraints. Lecture Notes in Computer Science, 2012, , 447-454.	1.3	2
4455	MRI Confirmed Prostate Tissue Classification with Laplacian Eigenmaps of Ultrasound RF Spectra. Lecture Notes in Computer Science, 2012, , 19-26.	1.3	2
4456	Semi-supervised Concept Detection by Learning the Structure of Similarity Graphs. Lecture Notes in Computer Science, 2013, , 1-12.	1.3	1
4457	Dimensionality Reduction by Low-Rank Embedding. Lecture Notes in Computer Science, 2013, , 181-188.	1.3	4
4458	Dimensionality Reduction via Isomap with Lock-Step and Elastic Measures for Time Series Gene Expression Classification. Lecture Notes in Computer Science, 2013, , 92-103.	1.3	2
4459	Ten-LoPP: Tensor Locality Preserving Projections Approach for Moving Object Detection and Tracking. Advances in Intelligent Systems and Computing, 2013, , 291-300.	0.6	6
4460	Automatic Webcam-Based Human Heart Rate Measurements Using Laplacian Eigenmap. Lecture Notes in Computer Science, 2013, , 281-292.	1.3	18
4461	The Laplace-Beltrami Operator: A Ubiquitous Tool for Image and Shape Processing. Lecture Notes in Computer Science, 2013, , 302-316.	1.3	11
4462	Diffusion Methods for Wind Power Ramp Detection. Lecture Notes in Computer Science, 2013, , 106-113.	1.3	3
4463	Orthonormal Diffusion Decompositions of Images for Optical Flow Estimation. Lecture Notes in Computer Science, 2013, , 241-249.	1.3	2
4464	Immersive Interactive Information Mining with Application to Earth Observation Data Retrieval. Lecture Notes in Computer Science, 2013, , 376-386.	1.3	6
4465	Manifold Learning of Brain MRIs by Deep Learning. Lecture Notes in Computer Science, 2013, 16, 633-640.	1.3	143
4466	Fast kNN Graph Construction with Locality Sensitive Hashing. Lecture Notes in Computer Science, 2013, , 660-674.	1.3	41
4467	Embedding with Autoencoder Regularization. Lecture Notes in Computer Science, 2013, , 208-223.	1.3	28

#	ARTICLE	IF	CITATIONS
4468	Locally Linear Landmarks for Large-Scale Manifold Learning. Lecture Notes in Computer Science, 2013, , 256-271.	1.3	18
4469	Kernels, Pre-images and Optimization. , 2013, , 245-259.		10
4470	Heterogeneous Metric Learning for Cross-Modal Multimedia Retrieval. Lecture Notes in Computer Science, 2013, , 43-56.	1.3	5
4471	A Wargame Data Visualization Algorithm Based on Regular Radius and Constrained Random Direction. Lecture Notes in Electrical Engineering, 2014, , 175-182.	0.4	1
4472	An Improved ISOMAP for Visualization and Classification of Multiple Manifolds. Lecture Notes in Computer Science, 2013, , 1-12.	1.3	7
4473	Extraction of Cardiac and Respiratory Motion Information from Cardiac X-Ray Fluoroscopy Images Using Hierarchical Manifold Learning. Lecture Notes in Computer Science, 2014, , 126-134.	1.3	6
4474	Nonlinear Methods for Dimensionality Reduction. , 2015, , 2799-2851.		2
4476	A Geometric Heat-Flow Theory of Lagrangian Coherent Structures. Journal of Nonlinear Science, 2020, 30, 1849-1888.	2.1	15
4477	Local generalized quadratic distance metrics: application to the k-nearest neighbors classifier. Advances in Data Analysis and Classification, 2018, 12, 341-363.	1.4	4
4478	Intrinsic and extrinsic operators for shape analysis. Handbook of Numerical Analysis, 2019, 20, 41-115.	1.8	6
4479	KBERG: A MatLab toolbox for nonlinear kernel-based regularization and system identification. IFAC-PapersOnLine, 2020, 53, 1231-1236.	0.9	3
4480	The similarity-consensus regularized multi-view learning for dimension reduction. Knowledge-Based Systems, 2020, 199, 105835.	7.1	5
4481	Saliency detection via affinity graph learning and weighted manifold ranking. Neurocomputing, 2018, 312, 239-250.	5.9	33
4482	An analysis on the use of autoencoders for representation learning: Fundamentals, learning task case studies, explainability and challenges. Neurocomputing, 2020, 404, 93-107.	5.9	38
4483	F-norm distance metric based robust 2DPCA and face recognition. Neural Networks, 2017, 94, 204-211.	5.9	29
4484	Scalable out-of-sample extension of graph embeddings using deep neural networks. Pattern Recognition Letters, 2017, 94, 1-6.	4.2	5
4488	1D representation of Laplacian eigenmaps and dual k-nearest neighbours for unified video coding. IET Image Processing, 2020, 14, 2156-2165.	2.5	1
4489	Term representation with Generalized Latent Semantic Analysis. Current Issues in Linguistic Theory, 2007, , 45-54.	0.2	19

#	ARTICLE	IF	CITATIONS
4490	Warwick electron microscopy datasets. Machine Learning: Science and Technology, 2020, 1, 045003.	5.0	8
4515	Thermodynamic inference of data manifolds. Physical Review Research, 2020, 2, .	3.6	8
4516	Valence-bond solids, vestigial order, and emergent SO(5) symmetry in a two-dimensional quantum magnet. Physical Review Research, 2020, 2, .	3.6	14
4517	Diffusion Maps for Signal Processing: A Deeper Look at Manifold-Learning Techniques Based on Kernels and Graphs. IEEE Signal Processing Magazine, 2013, 30, 75-86.	5.6	61
4518	Generalized Embedding Regression: A Framework for Supervised Feature Extraction. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 185-199.	11.3	16
4519	Optimal neighbor graph-based orthogonal tensor locality preserving projection for image recognition. Journal of Electronic Imaging, 2016, 25, 063017.	0.9	4
4520	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.	0.9	2
4521	Locality sensitive discriminant projection for feature extraction and face recognition. Journal of Electronic Imaging, 2019, 28, 1.	0.9	7
4522	Local similarity constraint-based sparse algorithm for hyperspectral target detection. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	4
4523	Guiding network analysis using graph slepians: an illustration for the C. Elegans connectome. , 2017, , .		3
4524	Geometries of sensor outputs, inference, and information processing. , 2006, , .		9
4525	Learning and predicting brain dynamics from fMRI: a spectral approach. Proceedings of SPIE, 2007, , .	0.8	5
4526	Reduced Set KPCA for Improving the Training and Execution Speed of Kernel Machines. , 2013, , .		4
4527	A Survey of Manifold-Based Learning Methods. , 2008, , 691-745.		31
4528	Analysis and extension of spectral methods for nonlinear dimensionality reduction. , 2005, , .		66
4531	Shape comparison through mutual distances of real functions. , 2010, , .		7
4532	Using Local Spectral Methods to Robustify Graph-Based Learning Algorithms. , 2015, , .		17
4533	Gaussian material synthesis. ACM Transactions on Graphics, 2018, 37, 1-14.	7.2	21

#	ARTICLE	IF	CITATIONS
4534	Attributed Network Embedding based on Mutual Information Estimation. , 2020, , .		5
4535	Structural Deep Clustering Network. , 2020, , .		197
4536	word2vec, node2vec, graph2vec, X2vec: Towards a Theory of Vector Embeddings of Structured Data. , 2020, , .		55
4537	Deep Neighborhood Component Analysis for Visual Similarity Modeling. ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-15.	4.5	10
4538	Asymmetric Deep Hashing for Efficient Hash Code Compression. , 2020, , .		12
4539	Proactively Identifying Emerging Hacker Threats from the Dark Web. ACM Transactions on Privacy and Security, 2020, 23, 1-33.	3.0	44
4540	Distributed Signal Processing Techniques for Wireless Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2008, 2008, 1-3.	1.7	1
4541	PmDNE: Prediction of miRNA-Disease Association Based on Network Embedding and Network Similarity Analysis. BioMed Research International, 2020, 2020, 1-9.	1.9	3
4542	Bearing Defect Classification Algorithm Based on Autoencoder Neural Network. Advances in Civil Engineering, 2020, 2020, 1-9.	0.7	11
4543	iMap 4: An Open Source Toolbox for the Statistical Fixation Mapping of Eye Movement data with Linear Mixed Modeling. Journal of Vision, 2015, 15, 793.	0.3	6
4544	A new deep sparse autoencoder for community detection in complex networks. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	14
4545	Data Clustering. , 0, , .		132
4546	Density Preserving Maps. , 2011, , 57-72.		1
4547	Manifold Alignment. , 2011, , 95-120.		39
4548	Local polynomial regression on unknown manifolds. , 2007, , 177-186.		56
4549	Nudged elastic band in topological data analysis. Topological Methods in Nonlinear Analysis, 2015, 45, 247.	0.2	12
4550	FSFP: Transfer Learning From Long Texts to the Short. Applied Mathematics and Information Sciences, 2014, 8, 2033-2040.	0.5	17
4551	Open Stylometric System WebSty: Integrated Language Processing, Analysis and Visualisation. Computational Methods in Science and Technology, 2018, 24, 43-58.	0.3	6

#	ARTICLE	IF	CITATIONS
4552	Growing Locally Linear Embedding for Manifold Learning. Journal of Pattern Recognition Research, 2007, 2, 1-16.	0.9	8
4553	Cauchy graph embedding based diffusion model for salient object detection. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 887.	1.5	4
4554	Vicus: Exploiting local structures to improve network-based analysis of biological data. PLoS Computational Biology, 2017, 13, e1005621.	3.2	15
4555	Classification and Lateralization of Temporal Lobe Epilepsies with and without Hippocampal Atrophy Based on Whole-Brain Automatic MRI Segmentation. PLoS ONE, 2012, 7, e33096.	2.5	59
4556	Local Coding Based Matching Kernel Method for Image Classification. PLoS ONE, 2014, 9, e103575.	2.5	4
4557	Supervised Filter Learning for Representation Based Face Recognition. PLoS ONE, 2016, 11, e0159084.	2.5	3
4558	Multilabel user classification using the community structure of online networks. PLoS ONE, 2017, 12, e0173347.	2.5	11
4559	Metrics for comparing neuronal tree shapes based on persistent homology. PLoS ONE, 2017, 12, e0182184.	2.5	56
4560	Dimensionality Reduction Based on Supervised Slow Feature Analysis for Face Recognition. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2014, 7, 13-26.	0.2	2
4561	On Some Methods for Dimensionality Reduction of ECG Signals. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.7	1
4562	Topology Preservation Measures in the Visualization of Manifold-Type Multidimensional Data. Informatica, 2009, 20, 235-254.	2.7	21
4563	Geodesic distances in the maximum likelihood estimator of intrinsic dimensionality. Nonlinear Analysis: Modelling and Control, 2011, 16, 387-402.	1.6	5
4564	Geodesic distances in the intrinsic dimensionality estimation using packing numbers. Nonlinear Analysis: Modelling and Control, 2014, 19, 578-591.	1.6	3
4565	Dimension Reduction: A Guided Tour. Foundations and Trends in Machine Learning, 2009, 2, 275-364.	69.0	178
4568	Semi-Supervised Multi-Modal Learning with Balanced Spectral Decomposition. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 99-106.	4.9	13
4569	Semantic Visualization with Neighborhood Graph Regularization. Journal of Artificial Intelligence Research, 0, 55, 1091-1133.	7.0	4
4570	Local Patterns and Big Time Series Data for Facial Poses Classification. Journal of Computers, 2018, , 18-34.	0.4	4
4571	Combinatorial and Random Walk Hypergraph Laplacian EigenmapsCombinatorial and Random Walk Hypergraph Laplacian Eigenmaps. International Journal of Machine Learning and Computing, 2015, 5, 462-466.	0.6	3

#	ARTICLE	IF	CITATIONS
4572	Random Projections for Non-linear Dimensionality Reduction. International Journal of Machine Learning and Computing, 2016, 6, 220-225.	0.6	14
4573	Investigating Multilingual NMT Representations at Scale. , 2019, , .		32
4574	Adversarial Category Alignment Network for Cross-domain Sentiment Classification. , 2019, , .		25
4575	Jointly Event Extraction and Visualization on Twitter via Probabilistic Modelling. , 2016, , .		4
4576	Semantic Word Clusters Using Signed Spectral Clustering. , 2017, , .		7
4577	Variation Autoencoder Based Network Representation Learning for Classification. , 2017, , .		18
4578	GEM: A Python package for graph embedding methods. Journal of Open Source Software, 2018, 3, 876.	4.6	11
4579	Method of bearing fault diagnosis based on time-frequency manifold analysis. Vibroengineering PROCEDIA, 2020, 30, 32-37.	0.5	1
4580	Multispectral Infrared Face Recognition: a comparative study. , 2010, , .		6
4582	Face Recognition Algorithm Using Two Dimensional Locality Preserving Projection in Discrete Wavelet Domain. Open Automation and Control Systems Journal, 2015, 7, 1721-1728.	0.9	8
4583	A supervised manifold learning method. Computer Science and Information Systems, 2009, 6, 205-215.	1.0	5
4584	Self-Representative Manifold Concept Factorization with Adaptive Neighbors for Clustering. , 2018, , .		13
4585	Recent Trends in ELM and MLELM: A review. Advances in Science, Technology and Engineering Systems, 2017, 2, 69-75.	0.5	7
4586	Identification and characterization of distinct brown adipocyte subtypes in C57BL/6J mice. Life Science Alliance, 2021, 4, e202000924.	2.8	14
4587	Profiling of immune dysfunction in COVID-19 patients allows early prediction of disease progression. Life Science Alliance, 2021, 4, e202000955.	2.8	56
4588	Short term load forecast by using Locally Linear Embedding manifold learning and a hybrid RBF-Fuzzy network. Signal and Data Processing, 2019, 16, 41-56.	0.1	2
4589	Speech Recognition Using Locality Preserving Projection Based on Multi Kernel Learning Supervision. , 0, , .		1
4590	Using eigenvectors of the bigram graph to infer morpheme identity. , 2002, , .		11

#	ARTICLE	IF	CITATIONS
4591	dimRed and coRanking - Unifying Dimensionality Reduction in R. R Journal, 2018, 10, 342.	1.8	37
4592	Emergent behaviour in a system of industrial plants detected via manifold learning. International Journal of Prognostics and Health Management, 2016, 7, .	0.8	3
4593	Local and Global Preserving Based Semi-Supervised Dimensionality Reduction Method. Ruan Jian Xue Bao/Journal of Software, 2009, 19, 2833-2842.	0.3	9
4594	Locally Linear Embedding Based on Relative Manifold. Ruan Jian Xue Bao/Journal of Software, 2009, 20, 2376-2386.	0.3	4
4595	Complete Discriminant Locality Preserving Projections for Face Recognition. Ruan Jian Xue Bao/Journal of Software, 2010, 21, 1277-1286.	0.3	2
4596	Supervised Feature Extraction Based on Information Fusion of Local Structure and Diversity Information. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 1107-1114.	0.3	7
4597	A New Manifold Reconstruction Method Based on Isomap. Jisuanji Xuebao/Chinese Journal of Computers, 2010, 33, 545-555.	0.3	4
4598	Manifold learning algorithm based on the small world model. Journal of Computer Applications, 2010, 30, 2917-2920.	0.1	2
4599	3D facial depth map recognition based on manifold learning-LOGMAP algorithm. Journal of Electronic Measurement and Instrument, 2013, 26, 138-143.	0.1	2
4600	Relating the Structure of Dark Matter Halos to Their Assembly and Environment. Astrophysical Journal, 2020, 899, 81.	4.5	22
4601	Comparative Study of Dimensionality Reduction Techniques for Data Visualization. Journal of Artificial Intelligence, 2010, 3, 119-134.	2.0	39
4602	Dimensionality Reduction for Classification of Blind Steganalysis. Journal of Software Engineering, 2015, 9, 721-734.	0.2	1
4603	Manifold Learning for Medical Image Registration, Segmentation, and Classification. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 351-372.	0.4	30
4604	Supervision of Industrial Processes using Self Organizing Maps. , 2012, , 206-227.		2
4605	Face Recognition in Adverse Conditions. Advances in Computational Intelligence and Robotics Book Series, 0, , 388-413.	0.4	2
4607	Feature extraction based retinal image analysis for bright lesion classification in fundus image. Biomedical Research (Aligarh, India), 2018, 29, .	0.1	1
4608	WIFI/PDR indoor integrated positioning system in a multi-floor environment. EAI Endorsed Transactions on Cognitive Communications, 2019, 4, 155075.	0.2	2
4609	Application of Informational and Wavelet Approaches for Integrated Processing of Geophysical Data in Complex Environments. , 2011, , .		21

#	ARTICLE	IF	CITATIONS
4610	Adaptive Neighborhood Selection Method Based on Silhouette Index for Locally Linear Embedding. International Journal of Advancements in Computing Technology, 2013, 5, 647-654.	0.1	1
4611	Combining Rough Set and Principal Component Analysis for Preprocessing on Commercial Data Stream. Journal of Convergence Information Technology, 2012, 7, 132-140.	0.1	7
4612	An Actual Survey of Dimensionality Reduction. American Journal of Computational Mathematics, 2014, 04, 55-72.	0.5	53
4613	Extension of ISOMAP for Imperfect Manifolds. Journal of Computers, 2012, 7, .	0.4	1
4614	Optimal Kernel Marginal Fisher Analysis for Face Recognition. Journal of Computers, 2012, 7, .	0.4	7
4615	Manifold Adaptive Kernel Local Fisher Discriminant Analysis for Face Recognition. Journal of Multimedia, 2012, 7, .	0.3	23
4616	Partial Shape Matching of 3D Models Based on the Laplace-Beltrami Operator Eigenfunction. Journal of Multimedia, 2013, 8, .	0.3	3
4617	Selection of the Suitable Parameter Value for ISOMAP. Journal of Software, 2011, 6, .	0.6	7
4618	Distance-Preserving SOM: A New Data Visualization Algorithm. Journal of Software, 2012, 7, .	0.6	6
4619	Multi-Layer Kernel Learning Method Faced on Roller Bearing Fault Diagnosis. Journal of Software, 2012, 7, .	0.6	5
4620	Two-stage dimension reduction for noisy high-dimensional images and application to Cryogenic Electron Microscopy. Annals of Mathematical Sciences and Applications, 2020, 5, 283-316.	0.4	8
4621	Universal local parametrizations via heat kernels and eigenfunctions of the Laplacian. Annales Academiae Scientiarum Fennicae Mathematica, 2010, 35, 131-174.	0.7	22
4622	SEMI-SUPERVISED MARGINAL FISHER ANALYSIS FOR HYPERSPECTRAL IMAGE CLASSIFICATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, 1-3, 377-382.	0.0	30
4623	Locally Linear Embedding based on Rank-order Distance. , 2016, , .		1
4624	Hessian Eigenfunctions for Triangular Mesh Parameterization. , 2016, , .		2
4625	Unsupervised Object Pose Classification from Short Video Sequences. , 2009, , .		9
4626	Neighborhood Preserving Nonnegative Matrix Factorization. , 2009, , .		34
4627	Manifold Alignment via Corresponding Projections. , 2010, , .		18

#	ARTICLE	IF	CITATIONS
4628	Manifold Learning for ToF-based Human Body Tracking and Activity Recognition. , 2010, , .		22
4629	Manifold Learning for Multi-Modal Image Registration. , 2010, , .		17
4630	Histogram of Body Poses and Spectral Regression Discriminant Analysis for Human Action Categorization. , 2010, , .		22
4631	Replicator Graph Clustering. , 2013, , .		5
4639	A NEW DATA MINING APPROACH FOR GEAR CRACK LEVEL IDENTIFICATION BASED ON MANIFOLD LEARNING. Mechanika, 2012, 18, .	0.5	19
4640	Fingerprints, Iris and DNA Features based Multimodal Systems: A Review. International Journal of Information Technology and Computer Science, 2013, 5, 88-111.	1.0	16
4641	A novel approach to research on feature extraction of acoustictargets based on manifold learning. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 074302.	0.5	5
4643	Functional topography of the human entorhinal cortex. ELife, 2015, 4, .	6.0	161
4644	Identifying multiscale spatio-temporal patterns in human mobility using manifold learning. PeerJ Computer Science, 2020, 6, e276.	4.5	5
4645	Laplaceâ€“Beltrami spectrum of ellipsoids that are close to spheres and analytic perturbation theory. IMA Journal of Applied Mathematics, 2022, 87, 20-49.	1.6	3
4646	Hyper-Embedder: Learning a Deep Embedder for Self-Supervised Hyperspectral Dimensionality Reduction. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
4647	High-Dimensional Dataset Simplification by Laplace-Beltrami Operator. Lecture Notes in Computer Science, 2021, , 568-585.	1.3	0
4648	Feature Selection. , 2021, , 463-467.		0
4649	Eigenspace Methods. , 2021, , 366-370.		0
4650	Dimensionality Reduction. , 2021, , 335-338.		0
4651	Graph Regularized Autoencoder Based Feature Extraction for Hyperspectral Image Classification. , 2021, , .		0
4652	Machine Learning View on Blockchain Parameter Adjustment. , 2021, , .		2
4653	Constructing a prior-dependent graph for data clustering and dimension reduction in the edge of AloT. Future Generation Computer Systems, 2022, 128, 381-394.	7.5	77

#	ARTICLE	IF	CITATIONS
4654	Multi-label enhancement manifold learning algorithm for vehicle video. Concurrency Computation Practice and Experience, 0, , e6660.	2.2	1
4655	A Survey of Autoencoder Algorithms to Pave the Diagnosis of Rare Diseases. International Journal of Molecular Sciences, 2021, 22, 10891.	4.1	8
4656	Kernelized Supervised Laplacian Eigenmap for Visualization and Classification of Multi-Label Data. Pattern Recognition, 2022, 123, 108399.	8.1	11
4657	Gold Prospectivity Modeling by Combination of Laplacian Eigenmaps and Least Angle Regression. Natural Resources Research, 2022, 31, 2023-2040.	4.7	4
4658	Self-Organizing Nebulous Growths for Robust and Incremental Data Visualization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4588-4602.	11.3	11
4659	Intrinsic dimension estimation method based on correlation dimension and kNN method. Knowledge-Based Systems, 2022, 235, 107627.	7.1	3
4660	Multi-distance based spectral embedding fusion for clustering single-cell methylation data. , 2021, , .		1
4661	Dual-Constrained Deep Semi-Supervised Coupled Factorization Network with Enriched Prior. International Journal of Computer Vision, 2021, 129, 3233-3254.	15.6	18
4662	Kernel Methods for Manifold Estimation. , 2004, , 441-452.		0
4663	University of Chicago at CLEF2004: Cross-Language Text and Spoken Document Retrieval. Lecture Notes in Computer Science, 2005, , 170-179.	1.3	2
4664	Improvement of Data Visualization Based on ISOMAP. Lecture Notes in Computer Science, 2005, , 534-543.	1.3	3
4665	A Multi-class Classifying Algorithm Based on Nonlinear Dimensionality Reduction and Support Vector Machines. Lecture Notes in Computer Science, 2005, , 692-695.	1.3	1
4667	A Novel Dimension Reduction Procedure for Searching Non-Gaussian Subspaces. Lecture Notes in Computer Science, 2006, , 149-156.	1.3	0
4668	Semi-supervised Classification with Active Query Selection. Lecture Notes in Computer Science, 2006, , 741-746.	1.3	1
4669	Graph-based generalized latent semantic analysis for document representation. , 2006, , .		2
4670	Application of Wavelet Network Combined with Nonlinear Dimensionality Reduction on the Neural Dipole Localization. Lecture Notes in Computer Science, 2006, , 323-328.	1.3	1
4672	Building a Sparse Kernel Classifier on Riemannian Manifold. Lecture Notes in Computer Science, 2006, , 156-163.	1.3	0
4673	Robust Cooperative Visual Tracking: A Combined NonLinear Dimensionality Reduction/Robust Identification Approach. Lecture Notes in Control and Information Sciences, 2007, , 353-371.	1.0	0

#	ARTICLE	IF	CITATIONS
4674	Distance-Free Image Retrieval Based on Stochastic Diffusion over Bipartite Graphs. , 2007, , .		3
4675	Learning Optimal Kernel from Distance Metric in Twin Kernel Embedding for Dimensionality Reduction and Visualization of Fingerprints. Lecture Notes in Computer Science, 2007, , 227-238.	1.3	0
4676	Manifold Denoising. , 2007, , 561-568.		47
4677	Semi-supervised learning of speech sounds. , 0, , .		6
4678	Semi-Supervised Pattern Classification Utilizing Fuzzy Clustering and Nonlinear Mapping of Data. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 1159-1164.	0.9	3
4679	A New Orthogonal Discriminant Projection Based Prediction Method for Bioinformatic Data. Lecture Notes in Computer Science, 2008, , 1047-1054.	1.3	0
4680	Incremental Manifold Learning Algorithm Using PCA on Overlapping Local Neighborhoods for Dimensionality Reduction. Lecture Notes in Computer Science, 2008, , 406-415.	1.3	2
4681	Gesture Recognition Based on Manifold Learning. Lecture Notes in Computer Science, 2008, , 247-256.	1.3	4
4683	Reliable Representation of Data on Manifolds. , 2008, , .		0
4684	Visualization of protein structure relationships using constrained twin kernel embedding. Journal of Biomedical Science and Engineering, 2008, 01, 133-140.	0.4	0
4685	Mapping Features to Semantic Space for 3D Model Retrieval. , 2008, , .		0
4686	Face Recognition Based on Nonlinear Feature Approach. American Journal of Applied Sciences, 2008, 5, 574-580.	0.2	5
4689	Guide Manifold Alignment by Relative Comparisons. , 2009, , 957-963.		0
4690	Descriptively probabilistic relationship between mutated primary structure of von Hippel-Lindau protein and its clinical outcome. Journal of Biomedical Science and Engineering, 2009, 02, 190-199.	0.4	0
4691	Dynamic network data exploration through semi-supervised functional embedding. , 2009, , .		2
4692	Spectral Techniques to Explore Point Clouds in Euclidean Space, with Applications to Collective Coordinates in Structural Biology. The IMA Volumes in Mathematics and Its Applications, 2009, , 1-34.	0.5	0
4693	Simultaneous Identity and Expression Recognition Using Face Geometry on Low Dimensional Manifolds. Lecture Notes in Computer Science, 2009, , 505-512.	1.3	1
4694	Spectral Clustering. , 2009, , 2748-2752.		0

#	ARTICLE	IF	CITATIONS
4696	Laplacian Discriminant Projection Based on Affinity Propagation. Lecture Notes in Computer Science, 2009, , 313-321.	1.3	0
4697	Dynamic Neighborhood Selection for Nonlinear Dimensionality Reduction. Lecture Notes in Computer Science, 2009, , 327-337.	1.3	1
4699	Manifold Learning. , 2009, , 954-958.		0
4700	Localized versus Locality Preserving Representation Methods in Face Recognition Tasks. Studies in Computational Intelligence, 2009, , 81-103.	0.9	0
4701	Informative Laplacian Projection. Lecture Notes in Computer Science, 2009, , 359-368.	1.3	0
4702	Combining Multidimensional Scaling and Computational Intelligence for Industrial Monitoring. Lecture Notes in Computer Science, 2009, , 232-246.	1.3	0
4703	A Novel Local Sensitive Frontier Analysis for Feature Extraction. Lecture Notes in Computer Science, 2009, , 556-565.	1.3	1
4704	Regularized Kernel Local Linear Embedding on Dimensionality Reduction for Non-vectorial Data. Lecture Notes in Computer Science, 2009, , 240-249.	1.3	1
4705	Nonlinear Dimensionality Reduction for Data on Manifold with Rings. Ruan Jian Xue Bao/Journal of Software, 2009, 19, 2908-2920.	0.3	0
4707	Comparison of vowel structures of Japanese and English in articulatory and auditory spaces. , 0, , .		6
4708	A comparison of linear and nonlinear dimensionality reduction methods applied to synthetic speech. , 0, , .		1
4709	Diffusion map kernel analysis for target classification. , 2009, , .		2
4710	Modified Locally Linear Embedding based on Neighborhood Radius. , 2010, , 363-367.		0
4711	Face Recognition Using Sparse Representations and Manifold Learning. Lecture Notes in Computer Science, 2010, , 509-518.	1.3	1
4712	Face recognition based on manifold learning and Rényi entropy. Natural Science, 2010, 02, 49-53.	0.4	1
4713	A Laplacian Eigenmaps Based Semantic Similarity Measure between Words. International Federation for Information Processing, 2010, , 291-296.	0.4	3
4714	Exemplar Based Laplacian Discriminant Projection. Lecture Notes in Computer Science, 2010, , 367-374.	1.3	0
4715	Orthogonal Discriminant Local Tangent Space Alignment. Lecture Notes in Computer Science, 2010, , 423-429.	1.3	0

#	ARTICLE	IF	CITATIONS
4716	Semi-supervised Learning by Spectral Mapping with Label Information. Lecture Notes in Computer Science, 2010, , 448-454.	1.3	0
4717	Spectral Clustering on Manifolds with Statistical and Geometrical Similarity. Lecture Notes in Computer Science, 2010, , 422-429.	1.3	0
4718	Similarity Estimation Using Bayes Ensembles. Lecture Notes in Computer Science, 2010, , 537-554.	1.3	0
4720	An Incremental Manifold Learning Algorithm Based on the Small World Model. Lecture Notes in Computer Science, 2010, , 324-332.	1.3	2
4722	PROXIMITY-BASED GRAPH EMBEDDINGS FOR MULTI-LABEL CLASSIFICATION. , 2010, , .		1
4723	Method of kernel local-margin fisher discriminant to rotor fault diagnosis. Journal of Electronic Measurement and Instrument, 2010, 24, 96-100.	0.1	0
4724	A Manifold Unfolding Method Based on Boundary Constraints. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 488-498.	0.3	1
4726	Survey on Lie Group Machine Learning. Jisuanji Xuebao/Chinese Journal of Computers, 2010, 33, 1115-1126.	0.3	0
4727	Nonlinear noise reduction method based on fractal dimension and the local tangent space mean reconstruction. Journal of Electronic Measurement and Instrument, 2010, 24, 699-704.	0.1	1
4728	Topological representation of speech for speaker recognition. , 0, , .		0
4729	Transition Curve Method for Dimensionality Reduction of Data on Disconnected Manifold. Ruan Jian Xue Bao/Journal of Software, 2010, 21, 1898-1907.	0.3	0
4730	Signal Data Mining from Wearable Systems. , 2011, , 123-146.		0
4731	Feature extraction of acoustic targets based on uncorrelated neighborhood pre-serving discriminant projections. Journal of Electronic Measurement and Instrument, 2010, 24, 905-910.	0.1	0
4732	Uncorrelated Discriminant Neighborhood Preserving Projections for Millimeter Wave Radar Target Recognition. Dianzi Yu Xinxu Xuebao/Journal of Electronics and Information Technology, 2010, 32, 2751-2754.	0.1	0
4734	Graph Evolution via Social Diffusion Processes. Lecture Notes in Computer Science, 2011, , 390-404.	1.3	0
4735	Inner Product Laplacian Embedding Based on Semidefinite Programming. Journal of Signal and Information Processing, 2011, 02, 196-204.	0.4	0
4736	Maximum Variance Sparse Mapping. Lecture Notes in Computer Science, 2011, , 1-8.	1.3	0
4737	From Points to Nodes: Inverse Graph Embedding through a Lagrangian Formulation. Lecture Notes in Computer Science, 2011, , 194-201.	1.3	6

#	ARTICLE	IF	CITATIONS
4738	Adaptive Neighborhood Graph for LTSA Learning Algorithm without FreeParameter. International Journal of Computer Applications, 2011, 19, 28-33.	0.2	5
4739	Protein Function Prediction by Spectral Clustering of Protein Interaction Network. Communications in Computer and Information Science, 2011, , 108-117.	0.5	0
4740	2D and 3D Pose Recovery from a Single Uncalibrated Video. Studies in Computational Intelligence, 2011, , 391-411.	0.9	0
4741	Nonlinear Discriminative Embedding for Clustering via Spectral Regularization. Lecture Notes in Computer Science, 2011, , 237-248.	1.3	0
4743	Abnormal Structure in Regular Data Revealed by Isomap with Natural Nearest Neighbor. Communications in Computer and Information Science, 2011, , 538-544.	0.5	3
4744	A Novel Probabilistic Linear Subspace Approach for Face Applications. Lecture Notes in Computer Science, 2011, , 257-266.	1.3	0
4745	Local Approximation in Manifold Learning. Lecture Notes in Electrical Engineering, 2011, , 603-610.	0.4	0
4746	Comparative Diagnostic Accuracy of Linear and Nonlinear Feature Extraction Methods in a Neuro-oncology Problem. Lecture Notes in Computer Science, 2011, , 34-41.	1.3	0
4749	Collaborative Recommendation Systems and Link Analysis. Advances in Social Networking and Online Communities Book Series, 2011, , 69-97.	0.4	0
4752	Density-Based LLE Algorithm for Network Forensics Data. International Journal of Modern Education and Computer Science, 2011, 3, 52-59.	2.7	0
4753	An Adaptive Neighborhood Graph for LLE Algorithm without Free-Parameter. International Journal of Computer Applications, 2011, 16, 20-23.	0.2	5
4754	Image Dimensionality Reduction Based on the Intrinsic Dimension and Parallel Genetic Algorithm. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 97-112.	0.4	4
4755	Null Space Locality Preserving Discriminant Intrinsicface. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2011, 33, 962-966.	0.1	0
4756	Face Feature Extraction Based on Maximum Margin Criterion and Image Matrix Bidirectional Projection. Zidonghua Xuebao/Acta Automatica Sinica, 2011, 36, 1645-1654.	0.3	1
4757	Contextual-distance Metric Based Laplacian Maximum Margin Criterion. Zidonghua Xuebao/Acta Automatica Sinica, 2011, 36, 1661-1673.	0.3	1
4758	ENHANCING THE PERFORMANCE OF LOCAL BINARY PATTERNS FOR FACE RECOGNITION BY SPECTRAL REGRESSION. , 2011, , 107-127.		3
4759	Locally Discriminant Projection Algorithm Based on the Block Optimization and Combination Strategy. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2011, 33, 2175-2180.	0.1	0
4760	Learning Image Manifolds from Local Features. , 2011, , 257-276.		0

#	ARTICLE	IF	CITATIONS
4762	An Automatic and Adaptive Multi-manifolds Learning Algorithm. International Journal of Digital Content Technology and Its Applications, 2011, 5, 372-382.	0.1	3
4763	Robust Laplacian Eigenmaps Using Global Information. , 2011, , 37-55.		1
4764	Gaussian Process-based Manifold Learning for Human Motion Modeling. , 2012, , 283-308.		0
4765	Manifold Regularized Multi-Task Learning. Lecture Notes in Computer Science, 2012, , 528-536.	1.3	1
4766	Diffusion Maps for the Description of Meteorological Data. Lecture Notes in Computer Science, 2012, , 276-287.	1.3	1
4767	Chinese Web Text Classification Model Based on Manifold Learning. Communications in Computer and Information Science, 2012, , 722-728.	0.5	0
4768	Distance Adaptive Tensor Discriminative Geometry Preserving Projection for Face Recognition. International Journal of Advanced Robotic Systems, 2012, 9, 90.	2.1	1
4769	Kernel L1 Graph for Image Analysis. Communications in Computer and Information Science, 2012, , 447-454.	0.5	1
4770	Identifying Relevant Features of Images from Their 2-D Topology. Studies in Computational Intelligence, 2012, , 173-190.	0.9	0
4771	A New Manifold Learning Algorithm Based on Incremental Spectral Decomposition. Lecture Notes in Computer Science, 2012, , 149-160.	1.3	0
4772	Robust Integrated Locally Linear Embedding. Lecture Notes in Computer Science, 2012, , 364-371.	1.3	0
4773	Modeling and Monitoring of Multimodes Process. Lecture Notes in Computer Science, 2012, , 159-168.	1.3	0
4774	3D Shape Classification Using Commute Time. Lecture Notes in Computer Science, 2012, , 208-215.	1.3	1
4775	Learning Manifolds. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 374-402.	0.4	1
4776	Out-of-Plane Motion Compensation in Cine-MRI. Lecture Notes in Computer Science, 2012, , 107-115.	1.3	0
4777	Neighborhood Structure Preserving Ridge Regression for Dimensionality Reduction. Communications in Computer and Information Science, 2012, , 25-32.	0.5	0
4778	A New Supervised Discriminant Locality Preserving Projections Algorithm. Advances in Intelligent and Soft Computing, 2012, , 833-839.	0.2	0
4780	A Feature Space Alignment Learning Algorithm. Lecture Notes in Computer Science, 2012, , 795-800.	1.3	1

#	ARTICLE	IF	CITATIONS
4781	The Globally Linear Embedding Algorithm. , 2012, , .		0
4782	Visual Analysis of a Cold Rolling Process Using Data-Based Modeling. Communications in Computer and Information Science, 2012, , 244-253.	0.5	1
4783	Improved KL (K-means-Laplacian) Clustering with Sparse Graphs. Communications in Computer and Information Science, 2012, , 506-513.	0.5	0
4784	Human Activity Recognition by Class Label LLE. Lecture Notes in Computer Science, 2012, , 260-267.	1.3	0
4785	Out-of-Sample Embedding by Sparse Representation. Lecture Notes in Computer Science, 2012, , 336-344.	1.3	1
4786	Sparse Discriminating Neighborhood Preserving Embedding. Lecture Notes in Computer Science, 2012, , 721-728.	1.3	0
4787	Modified UDP-Based Semi-supervised Learning for Fruit Internal Quality Detection. Lecture Notes in Computer Science, 2012, , 571-579.	1.3	0
4789	A Fast Manifold Learning Algorithm. Information Technology Journal, 2012, 11, 380-383.	0.3	2
4791	Dissimilarity data in statistical model building and machine learning. AMS/IP Studies in Advanced Mathematics, 2012, , 785-809.	0.1	0
4792	A Semi-Supervised Clustering Method Based on Graph Contraction and Spectral Graph Theory. , 0, , .		1
4793	Spectral Clustering and Its Application in Machine Failure Prognosis. , 0, , .		0
4794	Image features correspondence based on voting of geometric constraint. Journal of Computer Applications, 2012, 31, 1595-1597.	0.1	0
4795	Signal Denoise Method Based on Fractal Dimension,the Higher Order Statistics and Local Tangent Space Arrangement. Journal of Computers, 2012, 7, .	0.4	0
4796	A Study of mapping distance among Korean consonants using dimension reduction algorithm. Audiology and Speech Research, 2012, 8, 41-51.	0.4	0
4797	Population Algorithm: A New Method of Multi-Dimensional Scaling. , 2013, , 63-74.		0
4798	A MODIFIED STOCHASTIC NEIGHBOR EMBEDDING FOR COMBINING MULTIPLE FEATURES FOR REMOTE SENSING IMAGE CLASSIFICATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, 1-3, 395-398.	0.0	0
4799	Aligning manifolds to model the earliest phonological abstraction in infant-caretaker vocal imitation. , 0, , .		3
4800	Sparse Multilayer Autoencoders Based on the Small World Network. International Journal of Digital Content Technology and Its Applications, 2012, 6, 305-313.	0.1	0

#	ARTICLE	IF	CITATIONS
4801	Harmonic Analysis of Databases and Matrices. , 2013, , 297-310.		0
4802	A Semi-Supervised Metric Learning for Content-Based Image Retrieval. , 2013, , 199-210.		0
4803	Local Reconstruction and Dissimilarity Preserving Semi-supervised Dimensionality Reduction. Lecture Notes in Electrical Engineering, 2013, , 113-120.	0.4	0
4804	Kernel Based Manifold Learning for Complex Industry Fault Detection. Lecture Notes in Computer Science, 2013, , 392-400.	1.3	0
4805	Geometricity and Embedding. , 2013, , 121-155.		0
4806	Variable Importance in Nonlinear Kernels (VINK): Classification of Digitized Histopathology. Lecture Notes in Computer Science, 2013, 16, 238-245.	1.3	7
4807	Learning Structural Representations of Text Documents in Large Document Collections. Intelligent Systems Reference Library, 2013, , 471-503.	1.2	1
4808	Statistical Framework for Facial Pose Classification. Lecture Notes in Computer Science, 2013, , 87-96.	1.3	0
4809	Curvature in image and shape processing. Actes Des Rencontres Du CIRM, 2013, 3, 131-139.	0.0	3
4810	Nonlinear Modeling and Processing Using Empirical Intrinsic Geometry with Application to Biomedical Imaging. Lecture Notes in Computer Science, 2013, , 441-448.	1.3	1
4811	Graph Embedding for Pattern Analysis. , 2013, , .		8
4812	Learning Compact Representation for Image with Tensor Manifold Perspective. Lecture Notes in Computer Science, 2013, , 664-671.	1.3	0
4813	Overview of Process Fault Diagnosis. , 2013, , 17-70.		0
4814	Nonlinear Methods for Dimensionality Reduction. , 2013, , 1-46.		2
4815	Image Segmentation with Adaptive Sparse Grids. Lecture Notes in Computer Science, 2013, , 160-165.	1.3	0
4816	Manifold Learner Ensemble. Communications in Computer and Information Science, 2013, , 94-99.	0.5	0
4817	A Nonlinear Dimension Reduction Method with Both Distance and Neighborhood Preservation. Lecture Notes in Computer Science, 2013, , 48-63.	1.3	3
4818	Modeling Hidden Topics with Dual Local Consistency for Image Analysis. Lecture Notes in Computer Science, 2013, , 648-659.	1.3	1

#	ARTICLE	IF	CITATIONS
4819	Global and Local Information Based Spherical Marginal Fisher Analysis for Face Recognition. Journal of Information and Computational Science, 2013, 10, 1025-1034.	0.1	2
4820	Enhancing Kernel Maximum Margin Projection for Face Recognition. Journal of Software, 2013, 8, .	0.6	0
4821	An Embedded Feature Extraction Algorithm with MMC for Face Recognition. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2016, 9, 309-320.	0.2	0
4822	Extended Marginal Fisher Analysis Based on Difference Criterion. Journal of Information and Computational Science, 2013, 10, 2051-2058.	0.1	1
4825	Semi-supervised Discriminant Analysis Based on Maximum Scatter Difference. Journal of Information and Computational Science, 2013, 10, 3773-3780.	0.1	0
4826	Locality sensitive hashing for fast computation of correlational manifold learning based feature space transformations. , 0, , .		5
4827	IMMERSIVE VISUALIZATION OF THE QUALITY OF DIMENSIONALITY REDUCTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W3, 67-71.	0.2	0
4828	Nuclear Norm Optimization and Its Application to Observation Model Specification. Signals and Communication Technology, 2014, , 95-122.	0.5	1
4829	Spectral Clustering: Interpretation and Gaussian Parameter. Studies in Classification, Data Analysis, and Knowledge Organization, 2014, , 153-162.	0.2	2
4830	A New Method for Intrusion Detection using Manifold Learning Algorithm. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2013, 11, .	0.1	2
4831	Image Annotation Based on Joint Feature Selection with Sparsity. Information Technology Journal, 2013, 13, 102-109.	0.3	0
4832	Analysis of Commute Time Embedding Based on Spectral Graph. Journal of Korea Multimedia Society, 2014, 17, 34-42.	0.2	1
4833	Fast Gaussian Pairwise Constrained Spectral Clustering. Lecture Notes in Computer Science, 2014, , 242-257.	1.3	3
4834	Short Text Hashing Improved by Integrating Topic Features and Tags. Lecture Notes in Computer Science, 2014, , 295-302.	1.3	0
4835	Dimensionality Reduction. , 2014, , 218-221.		0
4836	Constrained Least Squares Regression for Semi-Supervised Learning. Lecture Notes in Computer Science, 2014, , 110-121.	1.3	0
4837	Noise Aware Sub-band Locality Preserving Projection for Robust Speech Recognition. Communications in Computer and Information Science, 2014, , 203-211.	0.5	0
4838	A Manifold Learning Fusion Algorithm Based on Distance and Angle Preservation. Communications in Computer and Information Science, 2014, , 31-43.	0.5	0

#	ARTICLE	IF	CITATIONS
4839	Manifold Embedding based Visualization of Signals. , 2014, , .		0
4840	Document Clustering with an Augmented Nonnegative Matrix Factorization Model. Lecture Notes in Computer Science, 2014, , 348-359.	1.3	4
4842	An Explicit Sparse Mapping for Nonlinear Dimensionality Reduction. Lecture Notes in Computer Science, 2014, , 149-157.	1.3	0
4843	Nonparametric Discriminant Multi-manifold Learning. Lecture Notes in Computer Science, 2014, , 113-119.	1.3	1
4844	Operators on Networks. Understanding Complex Systems, 2014, , 11-60.	0.6	0
4845	Improved Method for Relation Adaptation to Extract the New Relations Efficiently from Relational Mapping. IOSR Journal of Computer Engineering, 2014, 16, 22-29.	0.1	0
4846	Eigenspace Methods. , 2014, , 235-239.		0
4847	Kernel K-Means Low Rank Approximation for Spectral Clustering and Diffusion Maps. Lecture Notes in Computer Science, 2014, , 239-246.	1.3	0
4848	A Study on Classification of Waveforms Using Manifold Embedding Based on Commute Time. Journal of the Institute of Electronics and Information Engineers, 2014, 51, 148-155.	0.0	0
4849	Stadium Evacuation based on Multi-agent System. Journal of Multimedia, 2014, 9, .	0.3	1
4850	Isometric Cost-Sensitive Laplacian Eigenmaps for Imbalance Radar Target Recognition. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2014, 7, 93-104.	0.2	0
4852	Modified Constraint Scores for Semi-Supervised Feature Selection. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2014, 7, 137-148.	0.2	0
4853	Building Matching Analysis and New Building Update for the Integrated Use of the Digital Map and the Road Name Address Map. Journal of the Korean Society of Surveying Geodesy Photogrammetry and Cartography, 2014, 32, 459-467.	0.0	2
4854	A Novel Graph Construction Method Based on Locality Sensitive Histogram for Locality Preserving Projections. Journal of Information and Computational Science, 2014, 11, 5297-5304.	0.1	0
4855	Software Development for Transitions of Graphs from Discrete State into the Continuous State. Applied Mathematics and Information Sciences, 2014, 8, 2929-2935.	0.5	1
4856	Patrones básicos caminar y correr en niños de 5 a 8 años de edad mediante extracción no lineal de características. Revista U D C A Actualidad & Divulgación Científica, 2014, 17, .	0.2	0
4857	Semi-fragile Watermarking Scheme for H.264/AVC Video Content Authentication Based on Manifold Feature. KSII Transactions on Internet and Information Systems, 2014, 8, .	0.3	0
4858	Sparse Polynomial Mapping for Manifold Learning. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2014, 7, 335-344.	0.2	0

#	ARTICLE	IF	CITATIONS
4859	Dimension Reduction and Remote Sensing Using Modern Harmonic Analysis. , 2015, , 2609-2632.		2
4860	Unsupervised Feature Selection by Graph Optimization. Lecture Notes in Computer Science, 2015, , 130-140.	1.3	1
4861	Short Text Hashing Improved by Integrating Multi-granularity Topics and Tags. Lecture Notes in Computer Science, 2015, , 444-455.	1.3	0
4862	Nonlinear Methods for Dimensionality Reduction. , 2015, , 1-46.		0
4863	Graph Regularised Hashing. Lecture Notes in Computer Science, 2015, , 135-146.	1.3	2
4864	Feature Extraction Methods and Manifold Learning Methods. Advanced Information and Knowledge Processing, 2015, , 341-386.	0.3	3
4865	Generalization in Unsupervised Learning. Lecture Notes in Computer Science, 2015, , 300-317.	1.3	0
4866	Ear Recognition in 2D. Augmented Vision and Reality, 2015, , 51-74.	0.2	1
4867	Sampling from Determinantal Point Processes for Scalable Manifold Learning. Lecture Notes in Computer Science, 2015, 24, 687-698.	1.3	2
4868	The Prediction of Interaction Gene for Greensickness Based on Semi-Supervised Learning. Hans Journal of Computational Biology, 2015, 05, 11-16.	0.0	0
4869	Prediction of Clinical Information from Cardiac MRI Using Manifold Learning. Lecture Notes in Computer Science, 2015, , 91-98.	1.3	3
4870	Manifold Intrinsic Similarity. , 2015, , 1859-1908.		0
4871	A Generalized Lyapunov Feature for Dynamical Systems on Riemannian Manifolds. , 2015, , .		5
4872	Fire and Ice. Gaming Media and Social Effects, 2015, , 111-161.	0.7	0
4873	Overview of Basic Methods for Data Science. , 2015, , 17-37.		1
4874	SINGLE SAMPLE RECOGNITION BASED ON LPP. , 0, , .		0
4875	An Embedding Scheme for Detecting Anomalous Block Structured Graphs. Lecture Notes in Computer Science, 2015, , 215-227.	1.3	1
4876	Discriminant Neighborhood Structure Embedding Using Trace Ratio Criterion for Image Recognition. Journal of Computer and Communications, 2015, 03, 64-70.	0.9	1

#	ARTICLE	IF	CITATIONS
4877	Mathematical Methods for Large Geophysical Data Sets. , 2015, , 845-850.		0
4878	Discriminative Feature Fusion with Spectral Method for Human Action Recognition. Lecture Notes in Computer Science, 2015, , 641-648.	1.3	0
4879	Multimodal Data Fusion via Graph- and Operator-based Techniques. , 2015, , .		0
4880	Ranking and Dimensionality Reduction Using Biclustering. Advances in Intelligent Systems and Computing, 2015, , 209-226.	0.6	0
4881	Images, Videos, and BigData. , 2015, , 75-100.		0
4883	A Convex Relaxation Approach to the Affine Subspace Clustering Problem. Lecture Notes in Computer Science, 2015, , 67-78.	1.3	0
4884	Information geometric density estimation. , 2015, , .		0
4885	Two-layers Local Coordinate Coding. Communications in Computer and Information Science, 2015, , 34-45.	0.5	1
4887	Security Model of Stadium Evacuation Combined with Multi-agent and Cellular Automata. International Journal of Security and Its Applications, 2015, 9, 135-148.	0.8	0
4888	Proposing the Methods for Accelerating Computational Time of Large-Scale Commute Time Embedding. Journal of the Institute of Electronics and Information Engineers, 2015, 52, 162-170.	0.0	0
4889	Locally Linear Embedding for Face Recognition with Simultaneous Diagonalization. Journal of KIISE, 2015, 42, 235-241.	0.1	0
4890	An Adaptive Neighborhood Choosing of the Local Sensitive Discriminant Analysis Algorithm. Open Automation and Control Systems Journal, 2015, 7, 253-258.	0.9	0
4892	Application of Travel Management System Based on Route Inquiry. International Journal of Smart Home, 2015, 9, 133-140.	0.4	2
4893	DETECTING DISEASED IMAGES BY USING SEMI “ SUPERVISED LEARNING. International Journal of Computer and Communication Technology, 2015, , 206-211.	0.1	0
4894	Fully unsupervised small-vocabulary speech recognition using a segmental Bayesian model. , 0, , .		11
4896	Behavior Prediction Based on Vision Judgment of Ball Carrier in Basketball Matches. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 21-34.	0.4	0
4897	An Optimal Online Algorithm For Retrieving Heavily Perturbed Statistical Databases In The Low-Dimensional Querying Model. , 2015, , .		0
4898	Visualization of Handwritten Signatures Based on Haptic Information. Studies in Computational Intelligence, 2016, , 277-307.	0.9	2

#	ARTICLE	IF	CITATIONS
4899	SOMH: A Self-Organizing Map Based Topology Preserving Hashing Method. Lecture Notes in Computer Science, 2016, , 337-348.	1.3	0
4900	Simultaneous Nonlinear Label-Instance Embedding for Multi-label Classification. Lecture Notes in Computer Science, 2016, , 15-25.	1.3	3
4903	Nonlinear Embedding Transform for Unsupervised Domain Adaptation. Lecture Notes in Computer Science, 2016, , 451-457.	1.3	1
4904	Large Margin Coupled Mapping for Low Resolution Face Recognition. Lecture Notes in Computer Science, 2016, , 661-672.	1.3	4
4906	Generalized Tensor PCA and Its Applications to Image Analysis. SpringerBriefs in Statistics, 2016, , 51-71.	0.4	1
4907	Research on Intelligent Personnel Investigation System Based on Mobile Terminal. , 2016, , .		0
4910	Semi-supervised Hessian Eigenmap for Human Action Recognition. Communications in Computer and Information Science, 2016, , 133-139.	0.5	0
4911	HVS-Inspired Dimensionality Reduction Model Based on Factor Analysis. Communications in Computer and Information Science, 2016, , 362-372.	0.5	1
4912	Supervised Isometric Mapping Based Classification Algorithm. Lecture Notes in Computer Science, 2016, , 302-309.	1.3	0
4913	Category Guided Sparse Preserving Projection for Biometric Data Dimensionality Reduction. Lecture Notes in Computer Science, 2016, , 539-546.	1.3	0
4914	Topological Analysis of Spaces of Waveform Signals. Journal of Korea Multimedia Society, 2016, 19, 146-154.	0.2	0
4915	Analysis of Topological Invariants of Manifold Embedding for Waveform Signals. The Journal of the Institute of Internet Broadcasting and Communication, 2016, 16, 291-299.	0.0	0
4916	Short-term Wind Speed Forecasting using Model Structure Selection and Manifold Algorithm. , 2016, , .		0
4918	Detecting Corresponding Vertex Pairs between Planar Tessellation Datasets with Agglomerative Hierarchical Cell-Set Matching. PLoS ONE, 2016, 11, e0157913.	2.5	0
4919	Deep Data Analyzing Application Based on Scale Space Theory in Big Data Environment. , 2016, , .		0
4921	Adaptive Down-Sampling and Dimension Reduction in Time Elastic Kernel Machines for Efficient Recognition of Isolated Gestures. Studies in Computational Intelligence, 2017, , 39-59.	0.9	0
4922	Identification of Receipts in a Multi-receipt Image using Spectral Clustering. International Journal of Computer Applications, 2016, 155, 14-18.	0.2	3
4923	Heterogeneous Cancer Cell Line Data Fusion for Identifying Novel Response Determinants in Precision Medicine. Lecture Notes in Computer Science, 2017, , 414-419.	1.3	0

#	ARTICLE	IF	CITATIONS
4924	Subspace Least Squares Multidimensional Scaling. Lecture Notes in Computer Science, 2017, , 681-693.	1.3	3
4925	Understanding-Oriented Feature Learning. Springer Theses, 2017, , 47-73.	0.1	0
4926	An Application of Spectral Regularization to Machine Learning and Cancer Classification. Applied and Numerical Harmonic Analysis, 2017, , 129-152.	0.3	0
4928	Affine-Constrained Group Sparse Coding Based on Mixed Norm. Lecture Notes in Computer Science, 2017, , 471-480.	1.3	0
4929	Characterization and Similarity Analysis of Japanese Writers's™ Syntactic Structures by Kernel Method. Transactions of the Japanese Society for Artificial Intelligence, 2017, 32, F-G94_1-14.	0.1	0
4930	Model and Dictionary Guided Face Inpainting in the Wild. Lecture Notes in Computer Science, 2017, , 62-78.	1.3	0
4931	Multimodal Learning of Geometry-Preserving Binary Codes for Semantic Image Retrieval. IEICE Transactions on Information and Systems, 2017, E100.D, 600-609.	0.7	0
4932	Reducing Calibration Effort for Indoor WLAN Localization Using Hybrid Fingerprint Database. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 159-168.	0.3	2
4933	An Overview of Numerical Acceleration Techniques for Nonlinear Dimension Reduction. Applied and Numerical Harmonic Analysis, 2017, , 797-829.	0.3	2
4934	Graph-Based 3D-Ultrasound Reconstruction of the Liver in the Presence of Respiratory Motion. Lecture Notes in Computer Science, 2017, , 48-57.	1.3	0
4935	Spectral Graph-Based Method of Multimodal Word Embedding. , 2017, , .		1
4936	Sparse Gradient Pursuit for Robust Visual Analysis. Lecture Notes in Computer Science, 2017, , 369-384.	1.3	1
4937	A New Inverse Nth Gravitation Based Clustering Method for Data Classification. Lecture Notes in Computer Science, 2017, , 9-18.	1.3	0
4940	Hierarchical ordering with partial pairwise hierarchical relationships on the macaque brain data sets. PLoS ONE, 2017, 12, e0177373.	2.5	0
4941	Manifold Transfer Subspace Learning (MTSL) for Applications in Aided Target Recognition. International Journal of Monitoring and Surveillance Technologies Research, 2017, 5, 15-32.	0.3	0
4942	A Data-Driven Approach for Perceptually Validated Acoustic Features for Children's™ Sibilant Fricative Productions. , 0, , .		0
4943	Discriminative Sparse Representations. , 2018, , 129-156.		0
4944	Face Recognition in Adverse Conditions. , 2018, , 2184-2210.		2

#	ARTICLE	IF	CITATIONS
4945	Aligning Manifolds of Double Pendulum Dynamics Under the Influence of Noise. Lecture Notes in Computer Science, 2018, , 74-85.	1.3	0
4946	Online Dictionary Learning for Approximate Archetypal Analysis. Lecture Notes in Computer Science, 2018, , 501-516.	1.3	2
4948	Spectral Clustering. , 2018, , 3660-3665.		0
4949	DKE-RLS: A Manifold Reconstruction Algorithm in Label Spaces with Double Kernel Embedding-Regularized Least Square. Lecture Notes in Computer Science, 2018, , 16-28.	1.3	2
4950	Discrete Manifold-Regularized Collaborative Filtering for Large-Scale Recommender Systems. Lecture Notes in Computer Science, 2018, , 513-523.	1.3	0
4951	Manifold-Regularized Adaptive Lasso. Lecture Notes in Computer Science, 2018, , 545-556.	1.3	0
4952	Person-Centric Multimedia: How Research Inspirations from Designing Solutions for Individual Users Benefits the Broader Population. Lecture Notes in Computer Science, 2018, , 51-65.	1.3	0
4953	Graph Regularized Discriminative Joint Concept Factorization for Data Representation. Communications in Computer and Information Science, 2018, , 69-83.	0.5	0
4954	Manifold Modeling of the Beating Heart Motion. Communications in Computer and Information Science, 2018, , 229-238.	0.5	1
4955	Audio-Visual Source Separation with Alternating Diffusion Maps. Signals and Communication Technology, 2018, , 365-382.	0.5	0
4956	Fuzzy Object Growth Model for Neonatal Brain MR Understanding. Intelligent Systems Reference Library, 2018, , 209-222.	1.2	1
4957	COUPLE GRAPH BASED LABEL PROPAGATION METHOD FOR HYPERSPECTRAL REMOTE SENSING DATA CLASSIFICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 1795-1798.	0.2	1
4958	Sumi-supervised deep autoencoder network for graph-based dimensionality reduction in hyperspectral imagery. , 2018, , .		0
4959	Diffusion geometric methods for fusion of remotely sensed data. , 2018, , .		4
4960	A study of the effect of alternative similarity measures on the performance of graph-based anomaly detection algorithms. , 2018, , .		0
4961	Semi-supervised normalized embeddings for land-use classification from multiple view data. , 2018, , .		0
4963	Nuclear norm-based two-dimensional discriminant locality preserving projection for face recognition. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
4964	A Process Monitoring Method Based on Global-Local Structure Analysis in Principal Component Reconstruction Space. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
4965	Data clustering based on label consistent constraint matrix factorization. , 2018, , .		0
4966	Manifold aware discriminant collaborative graph embedding for face recognition. , 2018, , .		0
4967	Supervised Locality Preserving Hashing. Advances in Intelligent Systems and Computing, 2019, , 197-204.	0.6	0
4969	A Decision Tree Candidate Property Selection Method Based on Improved Manifold Learning Algorithm. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 261-271.	0.3	0
4972	Fundamentals of Machine Learning. , 2019, , 21-63.		1
4973	Nonlocal approximation of elliptic operators with anisotropic coefficients on manifold. Communications in Mathematical Sciences, 2019, 17, 859-882.	1.0	0
4974	Dimensionality Reduction and Its F-Transform Representation. , 0, , .		3
4975	Efficient Online Laplacian Eigenmap Computation for Dimensionality Reduction in Molecular Phylogeny via Optimisation on the Sphere. Lecture Notes in Computer Science, 2019, , 441-452.	1.3	0
4976	ComNE: Reinforcing Network Embedding with Community Learning. Communications in Computer and Information Science, 2019, , 397-405.	0.5	1
4977	Beetle Antennae Search Algorithm Based on PSO and Fibonacci. , 0, , .		3
4978	Discriminative sparsity graph embedding based on histogram of rotated principal orientation gradients. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 194202.	0.5	0
4979	Locality Preserving Projection of Functional Connectivity for Regression. , 2019, , 123-147.		0
4980	Solving PDEs on manifolds represented as point clouds and applications. Handbook of Numerical Analysis, 2019, 20, 315-349.	1.8	1
4981	Class Similarity Based Orthogonal Neighborhood Preserving Projections for Image Recognition. Lecture Notes in Computer Science, 2019, , 424-432.	1.3	0
4982	Local Uncorrelated Subspace Learning. Lecture Notes in Computer Science, 2019, , 3-11.	1.3	0
4983	Identification of spent nuclear fuel with multivariate analysis based on database. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 090204.	0.5	2
4984	NÄchste-Nachbarn-Verfahren und Dimensionsreduktion. , 2019, , 147-186.		0
4985	Multi-view Similarity Learning of Manifold Data. Lecture Notes in Computer Science, 2019, , 631-643.	1.3	0

#	ARTICLE	IF	CITATIONS
4986	Multiview Dimension Reduction Based on Sparsity Preserving Projections. Lecture Notes in Computer Science, 2019, , 296-309.	1.3	0
4987	A Supervised Laplacian Eigenmap Algorithm for Visualization of Multi-label Data: SLE-ML. Lecture Notes in Computer Science, 2019, , 525-534.	1.3	0
4988	Image Reconstruction in a Manifold of Image Patches: Application to Whole-Fetus Ultrasound Imaging. Lecture Notes in Computer Science, 2019, , 226-235.	1.3	7
4989	Matrix Completion. , 2019, , 549-568.		0
4990	Diffusion operators for multimodal data analysis. Handbook of Numerical Analysis, 2019, 20, 1-39.	1.8	0
4992	A Robust Decomposition Based Algorithm For Removal Of Pattern Noise From Images. International Journal of Machine Learning and Networked Collaborative Engineering, 2019, 03, 66-75.	0.1	0
4995	Spatially regularized multiscale graph clustering for electron microscopy. , 2019, , .		0
4996	Estimating of the inertial manifold dimension for a chaotic attractor of complex Ginzburg-Landau equation using a neural network. , 2019, , .		0
4997	Nonlinear, flexible, semisupervised learning scheme for face beauty scoring. Journal of Electronic Imaging, 2019, 28, 1.	0.9	4
5001	A Simple Deep Learning Network for Face Recognition Using Laplacianfaces. , 2019, , .		0
5003	Direct Error Driven Learning for Classification in Applications Generating Big-Data. Studies in Computational Intelligence, 2020, , 1-29.	0.9	0
5005	Supervised Dimension Reduction by Local Neighborhood Optimization for Image Processing. Recent Patents on Engineering, 2019, 13, 334-347.	0.4	0
5007	Representation Learning Techniques: An Overview. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 89-104.	0.7	2
5008	Comparing the Preservation of Network Properties by Graph Embeddings. Lecture Notes in Computer Science, 2020, , 522-534.	1.3	1
5009	Improved Metric-Learning in Artificial Intelligence. Lecture Notes in Electrical Engineering, 2020, , 447-456.	0.4	0
5010	Partial Differential Equation Models. Surveys and Tutorials in the Applied Mathematical Sciences, 2020, , 43-58.	0.4	1
5011	Asymmetric Node Similarity Embedding for Directed Graphs. Springer Proceedings in Complexity, 2020, , 83-91.	0.3	1
5017	Mapping two-dimensional plots to a spherical surface using elliptical grid mapping. Graphical Models, 2020, 109, 101067.	2.4	2

#	ARTICLE	IF	CITATIONS
5018	Convergence of Laplacian Spectra from Random Samples. Journal of Computational Mathematics, 2020, 38, 952-984.	0.4	1
5019	Research on Electric Power Business Terminal Classification Technology based on Unsupervised Algorithms. , 2020, , .		0
5022	Sparse Graph Connectivity for Image Segmentation. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-19.	3.5	3
5023	Graph Degree Linkage Clustering for Identify Studentâ€™s Performance on Kompetisi Sains Madrasah in Indonesia. Smart Innovation, Systems and Technologies, 2021, , 211-220.	0.6	0
5024	Space Frame Optimisation with Spectral Clustering. International Journal of Machine Learning and Computing, 2020, 10, 507-512.	0.6	0
5025	QUALITY ASSESSMENT OF DIMENSIONALITY REDUCTION TECHNIQUES ON HYPERSPECTRAL DATA: A NEURAL NETWORK BASED APPROACH. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 389-394.	0.2	0
5028	Visualizing probabilistic models in Minkowski space with intensive symmetrized Kullback-Leibler embedding. Physical Review Research, 2020, 2, .	3.6	4
5029	SUPERVISED MANIFOLD-LEARNING ALGORITHM FOR POLSAR FEATURE EXTRACTION AND LULC CLASSIFICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 345-350.	0.2	1
5030	Clustering on Laplacian-embedded latent manifolds when clusters overlap. Measurement Science and Technology, 2020, 31, 114001.	2.6	1
5031	Dimensionality reduction of ultrasonic array data for characterization of inclined defects based on supervised locality preserving projection. Ultrasonics, 2022, 119, 106625.	3.9	6
5032	LiteGT. , 2021, , .		3
5033	Latent Representation Prediction Networks. International Journal of Pattern Recognition and Artificial Intelligence, 2022, 36, .	1.2	0
5034	Dimensionality Reduction. , 2020, , 1-4.		1
5035	Non-euclidean Data-Driven Modeling Using Graph Convolutional Neural Networks. , 2020, , 185-207.		0
5036	Data Based Construction of Kernels for Classification. MATRIX Book Series, 2020, , 113-119.	0.2	0
5037	Quantifying Challenges in the Application of Graph Representation Learning. , 2020, , .		2
5038	Hessian-regularized spectral clustering for behavior recognition. , 2020, , .		2
5039	Repeating Link Prediction over Dynamic Graphs. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
5040	The Spectral Underpinning of word2vec. <i>Frontiers in Applied Mathematics and Statistics</i> , 2020, 6, .	1.3	1
5043	Unsupervised Identification of SARS-CoV-2 Target Cell Groups via Nonlinear Dimensionality Reduction on Single-cell RNA-Seq Data. , 2020, , .		1
5044	Adapted single-cell consensus clustering (adaSC3). <i>Advances in Data Analysis and Classification</i> , 2020, 14, 885-896.	1.4	1
5045	Decision Network: a New Network-Based Classifier. , 2020, , .		0
5046	Objective Ridge Regression System. , 2020, , .		0
5047	A Study on the Effect of Dimensionality Reduction on Cyber-Attack Identification in Water Storage Tank SCADA Systems. , 2021, , 171-187.		0
5048	Product formalisms for measures on spaces with binary tree structures: representation, visualization, and multiscale noise. <i>Forum of Mathematics, Sigma</i> , 2020, 8, .	0.7	0
5049	Eigenspace Methods. , 2020, , 1-5.		0
5050	Manifold-Learning-Based Feature Extraction. <i>Information Fusion and Data Science</i> , 2020, , 53-70.	0.3	0
5051	Tensor-Based Feature Learning. <i>Information Fusion and Data Science</i> , 2020, , 161-193.	0.3	0
5052	Network Representation Learning Based on Topological Structure and Vertex Attributes. <i>Lecture Notes in Computer Science</i> , 2020, , 484-497.	1.3	0
5053	Inverse Data Visualization Framework (IDVF): Towards a Prior-Knowledge-Driven Data Visualization. <i>Communications in Computer and Information Science</i> , 2020, , 266-280.	0.5	1
5054	A Promising Nonlinear Dimensionality Reduction Method: Kernel-Based Within Class Collaborative Preserving Discriminant Projection. <i>IEEE Signal Processing Letters</i> , 2020, 27, 2034-2038.	3.6	4
5055	Performance Evaluation of Different Classification Factors for Early Diagnosis of Alzheimerâ€™s Disease. <i>Lecture Notes in Networks and Systems</i> , 2020, , 305-316.	0.7	3
5056	Feature Selection. , 2020, , 1-5.		1
5057	Nonlocal Laplace Operator in a Space with the Fuzzy Partition. <i>Communications in Computer and Information Science</i> , 2020, , 295-303.	0.5	1
5058	Multilabel Distribution Learning Based on Multioutput Regression and Manifold Learning. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 5064-5078.	9.5	9
5059	Prediction of New Itinerary Markets for Airlines via Network Embedding. <i>Communications in Computer and Information Science</i> , 2020, , 315-325.	0.5	3

#	ARTICLE	IF	CITATIONS
5061	Multi-granularity Complex Network Representation Learning. Lecture Notes in Computer Science, 2020, , 236-250.	1.3	1
5062	Mobile Services Recommendation. Advanced Topics in Science and Technology in China, 2020, , 89-140.	0.1	0
5063	Central limit theorems for classical multidimensional scaling. Electronic Journal of Statistics, 2020, 14, .	0.7	1
5064	Laplacian Matrix for Dimensionality Reduction and Clustering. Lecture Notes in Business Information Processing, 2020, , 93-119.	1.0	3
5065	Graph Wasserstein Correlation Analysis for Movie Retrieval. Lecture Notes in Computer Science, 2020, , 424-439.	1.3	2
5066	Regularized Multiset Neighborhood Correlation Analysis for Semi-paired Multiview Learning. Lecture Notes in Computer Science, 2020, , 616-625.	1.3	1
5067	Equivariant Simplicial Reconstruction. SIAM Journal on Applied Algebra and Geometry, 2020, 4, 532-552.	1.4	1
5071	Continuous Optimization. , 2020, , 201-222.		0
5076	Analytic Geometry. , 2020, , 57-81.		0
5078	Multi-View Representation Learning via Dual Optimal Transportation. IEEE Access, 2021, 9, 144976-144984.	4.2	1
5079	Asymmetric metric learning for knowledge transfer. , 2021, , .		11
5081	ShapeVis: High-dimensional Data Visualization at Scale. , 2020, , .		1
5082	Manifold Learning for Financial Market Visualization. , 2020, , .		2
5083	Polynomial approximation to manifold learning. Journal of Intelligent and Fuzzy Systems, 2021, , 1-19.	1.4	0
5084	Robust Supervised Discrete Hashing. Neurocomputing, 2021, 483, 398-398.	5.9	3
5085	Multi-scale affinities with missing data: Estimation and applications. Statistical Analysis and Data Mining, 0, , .	2.8	0
5086	Robust semi non-negative low-rank graph embedding algorithm via the L21 norm. Applied Intelligence, 0, , 1.	5.3	1
5087	State-of-the-Art Machine Learning Techniques for Diagnosis of Alzheimer's Disease from MR-Images: A Systematic Review. Archives of Computational Methods in Engineering, 2022, 29, 2737-2780.	10.2	5

#	ARTICLE	IF	CITATIONS
5088	Using Satellite Images and Deep Learning to Identify Associations Between County-Level Mortality and Residential Neighborhood Features Proximal to Schools: A Cross-Sectional Study. <i>Frontiers in Public Health</i> , 2021, 9, 766707.	2.7	2
5089	SGL: Spectral Graph Learning from Measurements. , 2021, , .		1
5090	Learning Subspaces of Different Dimensions. <i>Journal of Computational and Graphical Statistics</i> , 0, , 1-35.	1.7	0
5091	Brain kernel: A new spatial covariance function for fMRI data. <i>NeuroImage</i> , 2021, 245, 118580.	4.2	1
5092	A Novel Representative k-NN Sampling-based Clustering Approach for an Effective Dimensionality Reduction-based Visualization of Dynamic Data. <i>Advances in Science, Technology and Engineering Systems</i> , 2020, 5, 08-23.	0.5	0
5093	Dimensionality Reduction: From Fuzzy Partitions to F-Transforms. <i>Studies in Fuzziness and Soft Computing</i> , 2021, , 399-411.	0.8	0
5094	datafold: data-driven models for point clouds and time series on manifolds. <i>Journal of Open Source Software</i> , 2020, 5, 2283.	4.6	11
5095	Normalized Projection and Graph Embedding via Angular Decomposition. , 0, , 231-243.		0
5096	Graph Heat Kernel Based Image Smoothing. , 0, , 302-330.		0
5097	Image Dimensionality Reduction Based on the Intrinsic Dimension and Parallel Genetic Algorithm. , 0, , 323-336.		0
5098	Analyzing Magnification Factors and Principal Spread Directions in Manifold Learning. , 2006, , 651-664.		1
5099	Automatic Detection of Learnability under Unreliable and Sparse User Feedback. <i>Lecture Notes in Computer Science</i> , 2008, , 224-233.	1.3	1
5100	Cross System Personalization and Collaborative Filtering by Learning Manifold Alignments. , 2006, , 244-259.		4
5101	Facial Expression Analysis on Semantic Neighborhood Preserving Embedding. <i>Lecture Notes in Computer Science</i> , 2007, , 896-904.	1.3	0
5102	Towards Segmentation Based on a Shape Prior Manifold. , 2007, , 895-906.		2
5103	Graph Spectral Image Smoothing. <i>Lecture Notes in Computer Science</i> , 2007, , 191-203.	1.3	2
5104	Method of Motion Data Processing Based on Manifold Learning. , 2007, , 248-259.		0
5105	Video Analysis Via Nonlinear Dimensionality Reduction. , 2007, , 152-161.		0

#	ARTICLE	IF	CITATIONS
5113	Reconstruction of protein structures from single-molecule time series. Journal of Chemical Physics, 2020, 153, 194102.	3.0	6
5116	MESH-BASED GRAPH CONVOLUTIONAL NEURAL NETWORKS FOR MODELING MATERIALS WITH MICROSTRUCTURE. Journal of Machine Learning for Modeling and Computing, 2022, 3, 1-30.	1.5	10
5117	Visualization methodology of the health state for wind turbines based on dimensionality reduction techniques. Sustainable Energy Technologies and Assessments, 2022, 49, 101762.	2.7	0
5118	Hagrid " Gridify Scatterplots with Hilbert and Gosper Curves. , 2021, , .		5
5119	Optimality of spectral clustering in the Gaussian mixture model. Annals of Statistics, 2021, 49, .	2.6	15
5120	A Manifold Learning based Video Prediction approach for Deep Motion Transfer. , 2021, , .		1
5121	Fractional-Order Sensing and Control: Embedding the Nonlinear Dynamics of Robot Manipulators into the Multidimensional Scaling Method. Sensors, 2021, 21, 7736.	3.8	5
5122	Adaptive Similarity Function with Structural Features of Network Embedding for Missing Link Prediction. Complexity, 2021, 2021, 1-15.	1.6	4
5123	Resting-state functional heterogeneity of the right insula contributes to pain sensitivity. Scientific Reports, 2021, 11, 22945.	3.3	16
5124	Distance Preserving Model Order Reduction of Graph-Laplacians and Cluster Analysis. Journal of Scientific Computing, 2022, 90, 1.	2.3	2
5125	Dual semi-supervised convex nonnegative matrix factorization for data representation. Information Sciences, 2022, 585, 571-593.	6.9	19
5126	Knowledge Distillation of Grassmann Manifold Network for Remote Sensing Scene Classification. Remote Sensing, 2021, 13, 4537.	4.0	2
5127	Spectral analysis of climate dynamics with operator-theoretic approaches. Nature Communications, 2021, 12, 6570.	12.8	13
5128	Supervised dimensionality reduction technology of generalized discriminant component analysis and its kernelization forms. Pattern Recognition, 2022, 124, 108450.	8.1	8
5129	Clustered Multiple Manifold Metric Learning for Hyperspectral Image Dimensionality Reduction and Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	7
5130	Regularization of Mixture Models for Robust Principal Graph Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	2
5132	Graph Embedding via High Dimensional Model Representation for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	8
5133	Discriminative Spectral "Spatial Feature Extraction-Based Band Selection for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	8

#	ARTICLE	IF	CITATIONS
5134	Density-Based Distance Preserving Graph: Theoretical and Practical Analyses. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-8.	11.3	0
5135	An Optimal Algorithm for Strict Circular Seriation. SIAM Journal on Mathematics of Data Science, 2021, 3, 1223-1250.	1.8	5
5136	MURAL: Multimodal, Multitask Representations Across Languages. , 2021, , .		16
5137	Dynamic Network Embedding by Time-Relaxed Temporal Random Walk. Lecture Notes in Computer Science, 2021, , 426-437.	1.3	1
5139	Label embedding semantic-guided hashing. Neurocomputing, 2022, 477, 1-13.	5.9	3
5140	Calcium Imaging Reveals Fast Tuning Dynamics of Hippocampal Place Cells and CA1 Population Activity during Free Exploration Task in Mice. International Journal of Molecular Sciences, 2022, 23, 638.	4.1	6
5141	Protein Interaction Network Reconstruction with a Structural Gated Attention Deep Model by Incorporating Network Structure Information. Journal of Chemical Information and Modeling, 2022, 62, 258-273.	5.4	5
5142	Unsupervised Denoising Feature Learning for Classification of Corrupted Images. Big Data Research, 2022, 27, 100305.	4.2	3
5143	PPNE: Personalized proximity preserved network embedding. Neurocomputing, 2022, 472, 103-112.	5.9	4
5144	Computational elucidation of spatial gene expression variation from spatially resolved transcriptomics data. Molecular Therapy - Nucleic Acids, 2022, 27, 404-411.	5.1	9
5145	Multi-Cluster Feature Selection Based on Isometric Mapping. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 570-572.	13.1	16
5146	Learning Shape Representations for Multi-Atlas Endocardium Segmentation in 3D Echo Images. , 2014, , .		6
5147	Manifold Learning with High Dimensional Model Representations. , 2020, , .		2
5148	Unsupervised Summarization and Change Detection in High-Resolution Signalized Intersection Datasets. , 2020, , .		1
5149	Unsupervised Hyperspectral Embedding by Learning a Deep Regression Network. , 2020, , .		2
5150	Unsupervised Image Classification System for Mobile Devices Based on Incremental Isomap. , 2020, , .		0
5151	A Comparative Assessment of Dimensionality Reduction Techniques for Diagnosing Faults in Smart Grids. , 2020, , .		0
5152	Health assessment for piston pump based on Laplacian eigenmaps-random forests method. , 2020, 1, .		0

#	ARTICLE	IF	CITATIONS
5153	Novel L2-Discriminant Locality Preserving Projection Integrated with Adaboost and Its Application to Fault Diagnosis. , 2020, , .		2
5154	Robust Spectral Clustering: A Locality Preserving Feature Mapping Based on M-estimation. , 2021, , .		1
5155	A Graph Regularized RPCA by Generalized Moreau Enhanced Model. , 2021, , .		0
5156	EPINE: Enhanced Proximity Information Network Embedding. , 2021, , .		0
5157	Entropic Laplacian eigenmaps for unsupervised metric learning. , 2021, , .		0
5158	Learning Laplacians in Chebyshev Graph Convolutional Networks. , 2021, , .		4
5159	A deep learning and heuristic methodology for predicting breakups in social network structures. Computational Intelligence, 0, , .	3.2	0
5160	Topological Analysis of Syntactic Structures. Mathematics in Computer Science, 2022, 16, 1.	0.4	0
5161	DLIR: a deep learning-based initialization recommendation algorithm for trust-aware recommendation. Applied Intelligence, 2022, 52, 11103-11114.	5.3	8
5162	A deep manifold-regularized learning model for improving phenotype prediction from multi-modal data. Nature Computational Science, 2022, 2, 38-46.	8.0	20
5163	Deep brain stimulation for parkinsonâ€™s disease induces spontaneous cortical hypersynchrony in extended motor and cognitive networks. Cerebral Cortex, 2022, 32, 4480-4491.	2.9	1
5164	Network representation learning method embedding linear and nonlinear network structures. Semantic Web, 2022, 13, 511-526.	1.9	2
5166	Combined Spatial-Spectral Schroedinger Eigenmaps with Multiple Kernel Learning for Hyperspectral Image Classification Using a Low Number of Training Samples. Canadian Journal of Remote Sensing, 0, , 1-13.	2.4	0
5167	Local-to-Global Deep Clustering on ApproximateUniform Manifold. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	0
5168	Research on Real-Time Face Key Point Detection Algorithm Based on Attention Mechanism. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.7	2
5169	Manifold Alignment Aware Ants: A Markovian Process for Manifold Extraction. Neural Computation, 2022, 34, 595-641.	2.2	2
5170	Estimation of a Function of Low Local Dimensionality by Deep Neural Networks. IEEE Transactions on Information Theory, 2022, 68, 4032-4042.	2.4	7
5171	Learning a Deep Structural Subspace Across Hyperspectral Scenes With Cross-Domain VAE. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	5

#	ARTICLE	IF	CITATIONS
5172	Improved galactic foreground removal for B-mode detection with clustering methods. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2052-2074.	4.4	6
5173	Graph coarsening: from scientific computing to machine learning. SeMA Journal, 2022, 79, 187-223.	2.0	9
5174	Global structure-guided neighborhood preserving embedding for dimensionality reduction. International Journal of Machine Learning and Cybernetics, 2022, 13, 2013-2032.	3.6	2
5175	Improved Locality Preserving Projections Based on Heat-Kernel and Cosine Weights for Fault Classification in Complex Industrial Processes. IEEE Transactions on Reliability, 2023, 72, 204-213.	4.6	15
5176	Discovering cell types using manifold learning and enhanced visualization of single-cell RNA-Seq data. Scientific Reports, 2022, 12, 120.	3.3	12
5177	A truncated nuclear norm and graph-Laplacian regularized low-rank representation method for tumor clustering and gene selection. BMC Bioinformatics, 2021, 22, 436.	2.6	1
5178	Balancing Geometry and Density: Path Distances on High-Dimensional Data. SIAM Journal on Mathematics of Data Science, 2022, 4, 72-99.	1.8	3
5179	Weighted triplet loss based on deep neural networks for loop closure detection in VSLAM. Computer Communications, 2022, 186, 153-165.	5.1	3
5180	Dimensionality Reduction via Dynamical Systems: The Case of t-SNE. SIAM Review, 2022, 64, 153-178.	9.5	2
5181	PET respiratory motion correction: quo vadis?. Physics in Medicine and Biology, 2022, 67, 03TR02.	3.0	10
5182	Non-intrusive surrogate modeling for parametrized time-dependent partial differential equations using convolutional autoencoders. Engineering Applications of Artificial Intelligence, 2022, 109, 104652.	8.1	31
5183	Robust low-rank representation via residual projection for image classification. Knowledge-Based Systems, 2022, 241, 108230.	7.1	12
5184	Chaoticity versus stochasticity in financial markets: Are daily S&P 500 return dynamics chaotic?. Communications in Nonlinear Science and Numerical Simulation, 2022, 108, 106218.	3.3	13
5185	Predicting Cancer Lymph-node Metastasis from LncRNA Expression Profiles using Local Linear Reconstruction Guided Distance Metric Learning. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	3.0	3
5186	EMBEDR: Distinguishing signal from noise in single-cell omics data. Patterns, 2022, 3, 100443.	5.9	13
5187	A class-driven approach to dimension embedding. Expert Systems With Applications, 2022, 195, 116650.	7.6	2
5188	A Novel Framework for Fast Feature Selection Based on Multi-Stage Correlation Measures. Machine Learning and Knowledge Extraction, 2022, 4, 131-149.	5.0	0
5190	Local-Dictionary Sparsity Discriminant Preserving Projections for Rotating Machinery Fault Diagnosis Based on Pre-Selected Multi-Domain Features. IEEE Sensors Journal, 2022, 22, 8781-8794.	4.7	4

#	ARTICLE	IF	CITATIONS
5191	A Geometrically Inspired Quantification Approach for Valve Stiction Using Riemannian Logarithmic Map. SSRN Electronic Journal, 0, , .	0.4	0
5192	Unsupervised Dimensionality Reduction for Hyperspectral Imagery via Laplacian Regularized Collaborative Representation Projection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
5193	Measuring Group Separability in Geometrical Space for Evaluation of Pattern Recognition and Dimension Reduction Algorithms. IEEE Access, 2022, 10, 22441-22471.	4.2	1
5194	Attention-based Knowledge Graph Representation Learning for Predicting Drug-drug Interactions. Briefings in Bioinformatics, 2022, 23, .	6.5	46
5195	Lagrangian coherent structures and their heat-transport mechanism in the turbulent Rayleigh-B�nard convection. Science China Technological Sciences, 2022, 65, 966-976.	4.0	3
5196	Multiscale PHATE identifies multimodal signatures of COVID-19. Nature Biotechnology, 2022, 40, 681-691.	17.5	39
5198	Efficient Graph Convolution for Joint Node Representation Learning and Clustering. , 2022, , .		14
5199	Scalable Graph Topology Learning via Spectral Densification. , 2022, , .		10
5200	An attention-based framework for multi-view clustering on Grassmann manifold. Pattern Recognition, 2022, 128, 108610.	8.1	9
5201	Projected engulfment of tropical Indian Ocean by anthropogenical warmpool. Climate Dynamics, 0, , 1.	3.8	1
5202	An unsupervised multi-manifold discriminant isomap algorithm based on the pairwise constraints. International Journal of Machine Learning and Cybernetics, 2022, 13, 1317-1336.	3.6	1
5203	Deep self-supervised clustering with embedding adjacent graph features. Systems Science and Control Engineering, 2022, 10, 336-346.	3.1	2
5204	Privacy�preserving quality control of neuroimaging datasets in federated environments. Human Brain Mapping, 2022, 43, 2289-2310.	3.6	7
5206	Grassmannian Diffusion Maps�Based Dimension Reduction and Classification for High-Dimensional Data. SIAM Journal of Scientific Computing, 2022, 44, B250-B274.	2.8	7
5207	Robust sparse manifold discriminant analysis. Multimedia Tools and Applications, 0, , .	3.9	1
5208	Learning a perceptual manifold with deep features for animation video resequencing. Multimedia Tools and Applications, 0, , 1.	3.9	0
5210	MLRDFM: a multi-view Laplacian regularized DeepFM model for predicting miRNA-disease associations. Briefings in Bioinformatics, 2022, 23, .	6.5	14
5211	Disentangled Inference for GANs With Latently Invertible Autoencoder. International Journal of Computer Vision, 2022, 130, 1259-1276.	15.6	9

#	ARTICLE	IF	CITATIONS
5212	Machine learning accelerated transient analysis of stochastic nonlinear structures. Engineering Structures, 2022, 257, 114020.	5.3	6
5213	Geometric machine learning: research and applications. Multimedia Tools and Applications, 2022, 81, 30545-30597.	3.9	3
5214	Decoding clinical biomarker space of COVID-19: Exploring matrix factorization-based feature selection methods. Computers in Biology and Medicine, 2022, 146, 105426.	7.0	45
5215	Multidimensional scaling and visualization of patterns in global large-scale accidents. Chaos, Solitons and Fractals, 2022, 157, 111951.	5.1	3
5216	Validation and quantification of left ventricular function during exercise and free breathing from real-time cardiac magnetic resonance images. Scientific Reports, 2022, 12, 5611.	3.3	1
5217	DGlnet: Dynamic graph and interaction-aware convolutional network for vehicle trajectory prediction. Neural Networks, 2022, 151, 336-348.	5.9	15
5218	Generalized Euclidean Measure to Estimate Distances on Multilayer Networks. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-22.	3.5	0
5219	Simultaneous multi-graph learning and clustering for multiview data. Information Sciences, 2022, 593, 472-487.	6.9	10
5220	DiffusionNet: Discretization Agnostic Learning on Surfaces. ACM Transactions on Graphics, 2022, 41, 1-16.	7.2	47
5221	Manifold biomedical text sentence embedding. Neurocomputing, 2022, 492, 117-125.	5.9	1
5222	Manifold feature index: A novel index based on high-dimensional data simplification. Expert Systems With Applications, 2022, 200, 116957.	7.6	2
5223	Short-Term Load Forecasting Based on Modified Locally Linear Embedding Using Multiple Weights. , 2021, , .		0
5224	Online Tensor Decomposition for Hyperspectral Data Representation. , 2021, , .		0
5225	Neural TMDlayer: Modeling Instantaneous flow of features via SDE Generators. , 2021, , .		0
5226	Video Moving Object Detection Technology Based on Deep Learning. , 2021, , .		0
5227	Provable Data Clustering via Innovation Search. , 2021, , .		0
5228	Health Prediction for UAV Motors Based on Weak Degradation Characteristics. , 2021, , .		0
5229	The Signal Feature Extraction of Graph Fourier Transform on the Constructed Graph. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
5230	Research on Face Image Digital Processing and Recognition Based on Data Dimensionality Reduction Algorithm. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.7	5
5231	Quantum algorithm for Laplacian eigenmap via Rayleigh quotient iteration. Quantum Information Processing, 2022, 21, 1.	2.2	2
5232	Graph Transfer Learning. , 2021, , .		0
5233	ĐœĐµŃ,Đ³⁄₄Đ´Đ¹⁄₄Đ°ŃĐ,Đ¹⁄₄Đ°Đ»ŃĈĐ¹⁄₂Đ³⁄₄Đ³⁄₄ĐĭŃĈĐ°Đ²Đ³⁄₄ĐĭĐ³⁄₄Đ³⁄₄Đ±Đ,Ń•Đ´Đ»Ń•Đ³⁄₄Đ±Đ³⁄₄Đ±Ń%ĐµĐ¹⁄₂ĐĭŃ•Đ¹⁄₂ĐµŃ		
5234	Robust Analysis of Phylogenetic Tree Space. Systematic Biology, 2022, 71, 1255-1270.	5.6	19
5236	Large Margin Graph Embedding-Based Discriminant Dimensionality Reduction. Scientific Programming, 2021, 2021, 1-12.	0.7	2
5237	Link Prediction in Social Networks Using Node Embeddings with Nature Inspired Approach. , 2021, , .		0
5238	TensorMode Algorithm for Network Embedding in Dynamic Environments. , 2021, , .		0
5239	Topology Structure Analysis of High Dimensional Dataset by Flattening Deformation of Data Manifold. International Journal of Mathematics and Computers in Simulation, 2021, 15, 161-164.	0.2	0
5240	Predicting Poverty through Machine Learning and Satellite Images. , 2021, , .		0
5241	Manifold Learning Projection Quality Quantitative Evaluation. , 2021, , .		0
5242	Iso-Geometric Integral Equation Solvers and Their Compression via Manifold Harmonics. IEEE Transactions on Antennas and Propagation, 2022, 70, 6893-6904.	5.1	3
5243	ripple2vec: Node Embedding with Ripple Distance of Structures. Data Science and Engineering, 2022, 7, 156.	6.4	8
5245	Laser-Induced Breakdown Spectroscopy Combined with Nonlinear Manifold Learning for Improvement Aluminum Alloy Classification Accuracy. Sensors, 2022, 22, 3129.	3.8	5
5246	Condition Monitoring of Mechanical Components Based on MEMED-NLOPE under Multiscale Features. Mathematical Problems in Engineering, 2022, 2022, 1-18.	1.1	0
5247	Fuzzy Information Discrimination Measures and Their Application to Low Dimensional Embedding Construction in the UMAP Algorithm. Journal of Imaging, 2022, 8, 113.	3.0	7
5248	Performing Locally Linear Embedding with Adaptable Neighborhood Size on Manifold. , 2006, , 985-989.		0
5249	Clustering-Based Nonlinear Dimensionality Reduction on Manifold. , 0, , 444-453.		0

#	ARTICLE	IF	CITATIONS
5264	Multimedia Data Indexing. , 0, , 449-475.		1
5268	Hyper-Laplacian Regularized Nonconvex Low-Rank Representation for Multi-View Subspace Clustering. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 376-388.	2.8	6
5269	GraFT: Graph Filtered Temporal Dictionary Learning for Functional Neural Imaging. IEEE Transactions on Image Processing, 2022, 31, 3509-3524.	9.8	9
5270	Biomedical Knowledge Graph Embedding with Capsule Network for Multi-label Drug-Drug Interaction Prediction. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	23
5272	Spectral clustering for jet physics. Journal of High Energy Physics, 2022, 2022, .	4.7	2
5273	Reduced Order Modeling Using Advection-Aware Autoencoders. Mathematical and Computational Applications, 2022, 27, 34.	1.3	4
5274	A Distance-Preserving Matrix Sketch. Journal of Computational and Graphical Statistics, 2022, 31, 945-959.	1.7	0
5275	Fault diagnosis of rotor based on Semi-supervised Multi-Graph Joint Embedding. ISA Transactions, 2022, 131, 516-532.	5.7	14
5276	Condition Monitoring of Machine Tool Feed Drives: A Review. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	2.2	12
5277	Graph optimization for unsupervised dimensionality reduction with probabilistic neighbors. Applied Intelligence, 0, , 1.	5.3	1
5278	Kyushu Decorative Tumuli Project: From e-Heritage to Cyber-Archaeology. International Journal of Computer Vision, 2022, 130, 1609-1626.	15.6	2
5279	Wasserstein-Based Projections with Applications to Inverse Problems. SIAM Journal on Mathematics of Data Science, 2022, 4, 581-603.	1.8	4
5280	High Mass Resolution fs-LIMS Imaging and Manifold Learning Reveal Insight Into Chemical Diversity of the 1.88ÅGa Gunflint Chert. Frontiers in Space Technologies, 2022, 3, .	1.4	1
5281	Leveraging network representation learning and community detection for analyzing the activity profiles of adolescents. Applied Network Science, 2022, 7, .	1.5	0
5282	Deep Isometric Maps. Image and Vision Computing, 2022, 123, 104461.	4.5	2
5283	Representation learning using deep random vector functional link networks for clustering. Pattern Recognition, 2022, 129, 108744.	8.1	16
5284	Thermal heat distribution features for hand identification. Expert Systems With Applications, 2022, 203, 117462.	7.6	0
5285	Adaptive distance penalty based nonnegative low-rank representation for semi-supervised learning. Applied Intelligence, 2023, 53, 1405-1416.	5.3	1

#	ARTICLE	IF	CITATIONS
5287	Semantics and Content-Based Recommendations. , 2022, , 251-298.		9
5289	Data mining and knowledge discovery in chemical processes: Effect of alternative processing techniques. Data-Centric Engineering, 2022, 3, .	2.3	4
5290	Manifold embedding data-driven mechanics. Journal of the Mechanics and Physics of Solids, 2022, 166, 104927.	4.8	15
5291	Fourier-Based and Rational Graph Filters for Spectral Processing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 7063-7074.	13.9	2
5292	Wavelet Transform-Assisted Adaptive Generative Modeling for Colorization. IEEE Transactions on Multimedia, 2023, 25, 4547-4562.	7.2	2
5293	A survey of unsupervised learning methods for high-dimensional uncertainty quantification in black-box-type problems. Journal of Computational Physics, 2022, 464, 111313.	3.8	12
5294	Interpretable Embedding and Visualization of Compressed Data. ACM Transactions on Knowledge Discovery From Data, 2023, 17, 1-22.	3.5	1
5295	BioChemDDI: Predicting Drug-Drug Interactions by Fusing Biochemical and Structural Information through a Self-Attention Mechanism. Biology, 2022, 11, 758.	2.8	3
5296	Popularity Adjusted Block Models are Generalized Random Dot Product Graphs. Journal of Computational and Graphical Statistics, 0, , 1-32.	1.7	1
5297	Structural damage detection via phase space based manifold learning under changing environmental and operational conditions. Engineering Structures, 2022, 263, 114420.	5.3	6
5299	On Exploring Umap for Heterogeneous Environmental Dataset Reduction and Visualization – an Example Based on Soil Nutrient Levels. SSRN Electronic Journal, 0, , .	0.4	0
5300	Improved Feature Generating Networks for Zero-Shot Learning. , 2022, , .		0
5301	Dual-Intended Deep Learning Model for Breast Cancer Diagnosis in Ultrasound Imaging. Cancers, 2022, 14, 2663.	3.7	14
5302	Machine Learning Advances in Microbiology: A Review of Methods and Applications. Frontiers in Microbiology, 2022, 13, .	3.5	6
5303	Dimensionality reduction method based on Similarity Balance Discriminant Projection for bearing fault diagnosis. Measurement Science and Technology, 0, , .	2.6	4
5304	Coupled Heterogeneous Tucker Decomposition: A Feature Extraction Method for Multisource Fusion and Domain Adaptation Using Multisource Heterogeneous Remote Sensing Data. Remote Sensing, 2022, 14, 2553.	4.0	1
5305	Image feature selection based on orthogonal $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{altimg="si1.svg"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \hat{a}, \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle 2 \langle \text{mml:mtext} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle 1 \text{ norms. Measurement: Journal of the International Measurement Confederation, 2022, 199, 111310.}$	5.0	1
5306	Data mining analyses for precision medicine in acromegaly: a proof of concept. Scientific Reports, 2022, 12, .	3.3	11

#	ARTICLE	IF	CITATIONS
5308	Semantic Segmentation of Multispectral Images via Linear Compression of Bands: An Experiment Using RIT-18. Remote Sensing, 2022, 14, 2673.	4.0	2
5309	Hypergraph and Uncertain Hypergraph Representation Learning Theory and Methods. Mathematics, 2022, 10, 1921.	2.2	9
5310	Multi-dictionary induced low-rank representation with multi-manifold regularization. Applied Intelligence, 2023, 53, 3576-3593.	5.3	1
5311	Semi-parametric Bayes regression with network-valued covariates. Machine Learning, 0, , .	5.4	1
5312	Spectral clustering of single-cell multi-omics data on multilayer graphs. Bioinformatics, 2022, 38, 3600-3608.	4.1	3
5313	Unsupervised domain adaptation with Joint Adversarial Variational AutoEncoder. Knowledge-Based Systems, 2022, 250, 109065.	7.1	7
5315	Network Representation Learning: From Preprocessing, Feature Extraction to Node Embedding. ACM Computing Surveys, 2023, 55, 1-35.	23.0	32
5316	Visual Saliency Estimation through Manifold Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 2003-2009.	4.9	4
5317	Multinomial Relation Prediction in Social Data: A Dimension Reduction Approach. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 115-121.	4.9	8
5318	A Projective Noise Reduction Algorithm Based on Laplacian Smoothing. , 2021, , .		0
5319	Deep Attributed Network Embedding via Weisfeiler-Lehman and Autoencoder. IEEE Access, 2022, 10, 61342-61353.	4.2	2
5320	The Mirror Transform. IEEE Transactions on Signal Processing, 2022, 70, 2758-2774.	5.3	0
5321	Methodology-Centered Review of Molecular Modeling, Simulation, and Prediction of SARS-CoV-2. Chemical Reviews, 2022, 122, 11287-11368.	47.7	38
5322	Estimation of a regression function on a manifold by fully connected deep neural networks. Journal of Statistical Planning and Inference, 2023, 222, 160-181.	0.6	1
5323	GRACE: A General Graph Convolution Framework for Attributed Graph Clustering. ACM Transactions on Knowledge Discovery From Data, 2023, 17, 1-31.	3.5	5
5324	Multi-view heterogeneous molecular network representation learning for protein-protein interaction prediction. BMC Bioinformatics, 2022, 23, .	2.6	8
5325	Graph Refinement via Simultaneously Low-Rank and Sparse Approximation. SIAM Journal of Scientific Computing, 2022, 44, A1525-A1553.	2.8	1
5326	Intrinsic Dimension Adaptive Partitioning for Kernel Methods. SIAM Journal on Mathematics of Data Science, 2022, 4, 721-749.	1.8	1

#	ARTICLE	IF	CITATIONS
5327	HTGCE: An Graph-Based and Classifier-Oriented Dimension Reduction Method for Multisource Heterogeneous Feature Tensors. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	1
5329	Manifold Enhanced 2-D Fuzzy Subspace Clustering for Image Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 741-752.	9.3	3
5330	Graph Neural Networks for Graph Drawing. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-14.	11.3	6
5331	A*-FastIsomap: An Improved Performance of Classical Isomap Based on A* Search Algorithm. , 2022, , .		0
5332	Topologically-Informed Atlas Learning. , 2022, , .		0
5333	Adaptive spectral affinity propagation clustering. Journal of Systems Engineering and Electronics, 2022, 33, 647-664.	2.2	0
5334	Extending generalized unsupervised manifold alignment. Science China Information Sciences, 2022, 65, .	4.3	1
5335	Exploring the Tropical Pacific Manifold in Models and Observations. Physical Review X, 2022, 12, .	8.9	4
5336	Manifold Preserving Features and Regression for Semantic Labelling in High Dimensional Images. Wireless Personal Communications, 0, , .	2.7	0
5337	A guided multiverse study of neuroimaging analyses. Nature Communications, 2022, 13, .	12.8	23
5338	Scalably Using Node Attributes and Graph Structure for Node Classification. Entropy, 2022, 24, 906.	2.2	1
5339	A*-FastIsomap: An Improved Performance of Classical Isomap Based on A* Search Algorithm. Neural Processing Letters, 2023, 55, 12719-12736.	3.2	0
5340	Frobenius norm-regularized robust graph learning for multi-view subspace clustering. Applied Intelligence, 2022, 52, 14935-14948.	5.3	5
5341	Latent Low-Rank Projection Learning with Graph Regularization for Feature Extraction of Hyperspectral Images. Remote Sensing, 2022, 14, 3078.	4.0	0
5342	A robust optimal mean cosine angle 2DPCA for image feature extraction. Neural Computing and Applications, 2022, 34, 20117-20134.	5.6	5
5343	AÄŸ gÄŸmÄŸlÄŸmÄŸlÄŸin yÄŸksek boyutlu yakÄŸnsaklÄŸk ÄŸlÄŸsÄŸsÄŸ. ÄŸ–mer Halisdemir ÄŸeniversitesi MÄŸhendislik Bilimleri Dergisi, 2022, 11, 477-483.	0.5	2
5344	Hagrid: using Hilbert and Gosper curves to gridify scatterplots. Journal of Visualization, 0, , .	1.8	0
5345	Discriminative aging subspace learning for age estimation. Soft Computing, 2022, 26, 9189-9198.	3.6	1

#	ARTICLE	IF	CITATIONS
5346	Better Embedding and More Shots for Few-shot Learning. , 2022, , .		1
5348	Simultaneous p- and s-orders minmax robust locality preserving projection. Multimedia Tools and Applications, 0, , .	3.9	0
5349	LapEFCM: overlapping community detection using laplacian eigenmaps and fuzzy C-means clustering. International Journal of Information Technology (Singapore), 2022, 14, 3133-3144.	2.7	1
5350	Human identification based on Gait Manifold. Applied Intelligence, 0, , .	5.3	4
5351	A geometrically inspired quantification approach for valve stiction using Riemannian logarithmic map. Measurement: Journal of the International Measurement Confederation, 2022, 199, 111562.	5.0	5
5352	Eigen-convergence of Gaussian kernelized graph Laplacian by manifold heat interpolation. Applied and Computational Harmonic Analysis, 2022, 61, 132-190.	2.2	6
5353	Multi-Label Manifold Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	4.9	61
5354	Active Manifold Learning via Gershgorin Circle Guided Sample Selection. Proceedings of the AAAI Conference on Artificial Intelligence, 2015, 29, .	4.9	2
5355	Cascade Subspace Clustering. Proceedings of the AAAI Conference on Artificial Intelligence, 2017, 31, .	4.9	26
5356	Multiscale Manifold Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2013, 27, 912-918.	4.9	3
5357	A Local Non-Negative Pursuit Method for Intrinsic Manifold Structure Preservation. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	4.9	7
5358	LASS: A Simple Assignment Model with Laplacian Smoothing. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	4.9	1
5359	Particle swarm optimisation for sparsity-based feature selection in multi-label classification. , 2022, , .		1
5360	Application of adaptive Laplacian Eigenmaps in near infrared spectral modeling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 282, 121630.	3.9	0
5361	Unsupervised manifold learning with polynomial mapping on symmetric positive definite matrices. Information Sciences, 2022, 609, 215-227.	6.9	2
5363	Manifold Learning for Jointly Modeling Topic and Visualization. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	4.9	7
5364	Accurate Integration of Aerosol Predictions by Smoothing on a Manifold. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	4.9	0
5365	ReLISH: Reliable Label Inference via Smoothness Hypothesis. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	4.9	3

#	ARTICLE	IF	CITATIONS
5366	The Hidden Convexity of Spectral Clustering. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	4.9	1
5367	Hierarchical Policy Search via Return-Weighted Density Estimation. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 32, .	4.9	2
5368	Generative Adversarial Network Based Heterogeneous Bibliographic Network Representation for Personalized Citation Recommendation. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 32, .	4.9	43
5369	Robust Regularized Locality Preserving Indexing for Fiedler Vector Estimation. SSRN Electronic Journal, 0, , .	0.4	1
5370	Fully Unsupervised Binary Change Detection for Hyperspectral Images Using Laplacian Eigenmaps and Clustering. , 2022, , .		1
5371	Unsupervised layer-wise feature extraction algorithm for surface electromyography based on information theory. Frontiers in Neuroscience, 0, 16, .	2.8	0
5372	Fault Diagnosis of Rotating Machinery Based on Local Centroid Mean Local Fisher Discriminant Analysis. Journal of Vibration Engineering and Technologies, 0, , .	2.2	0
5373	Optimal recovery of precision matrix for Mahalanobis distance from high-dimensional noisy observations in manifold learning. Information and Inference, 2022, 11, 1173-1202.	1.6	2
5374	Inadequacy of Linear Methods for Minimal Sensor Placement and Feature Selection in Nonlinear Systems: A New Approach Using Secants. Journal of Nonlinear Science, 2022, 32, .	2.1	4
5375	Improved prediction of gene expression through integrating cell signalling models with machine learning. BMC Bioinformatics, 2022, 23, .	2.6	1
5376	Quantification of Valve Stiction in Control Loops Using the Bayesian Approach on the Riemannian Manifold. Industrial & Engineering Chemistry Research, 2022, 61, 11880-11897.	3.7	1
5377	Reconstruction of a new ENSO prediction model by identifying causal factors based on an improved TriBA topological structure genetic algorithm. Theoretical and Applied Climatology, 0, , .	2.8	0
5378	Scalability and robustness of spectral embedding: landmark diffusion is all you need. Information and Inference, 2022, 11, 1527-1595.	1.6	3
5379	FlowGEN. , 2022, , .		0
5380	Time-series forecasting using manifold learning, radial basis function interpolation, and geometric harmonics. Chaos, 2022, 32, .	2.5	5
5381	A Comparison of Three Different Group Intelligence Algorithms for Hyperspectral Imagery Classification. Processes, 2022, 10, 1672.	2.8	1
5382	Multiscale Methods for Signal Selection in Single-Cell Data. Entropy, 2022, 24, 1116.	2.2	1
5384	Parcellating the human brain using resting-state dynamic functional connectivity. Cerebral Cortex, 2023, 33, 3575-3590.	2.9	5

#	ARTICLE	IF	CITATIONS
5385	Data-driven modeling with fuzzy sets and manifolds. International Journal of Approximate Reasoning, 2022, 149, 178-191.	3.3	2
5386	Robust discriminative projection with dynamic graph regularization for feature extraction and classification. Knowledge-Based Systems, 2022, 253, 109563.	7.1	3
5387	An investigation into the effects and effectiveness of correlation network filtration methods with financial returns. PLoS ONE, 2022, 17, e0273830.	2.5	0
5388	HyperNTF: A hypergraph regularized nonnegative tensor factorization for dimensionality reduction. Neurocomputing, 2022, 512, 190-202.	5.9	5
5389	Toward drug-miRNA resistance association prediction by positional encoding graph neural network and multi-channel neural network. Methods, 2022, 207, 81-89.	3.8	3
5390	Dense correspondence of deformable volumetric images via deep spectral embedding and descriptor learning. Medical Image Analysis, 2022, 82, 102604.	11.6	0
5391	Low-rank 2D local discriminant graph embedding for robust image feature extraction. Pattern Recognition, 2023, 133, 109034.	8.1	15
5392	Neurons on amoebae. Journal of Symbolic Computation, 2023, 116, 1-38.	0.8	8
5393	Non-Negative Matrix Factorization Clustering on Multiple Manifolds. Proceedings of the AAAI Conference on Artificial Intelligence, 2010, 24, 575-580.	4.9	52
5394	Local and Global Regressive Mapping for Manifold Learning with Out-of-Sample Extrapolation. Proceedings of the AAAI Conference on Artificial Intelligence, 2010, 24, 649-654.	4.9	34
5395	Compressing POMDPs Using Locality Preserving Non-Negative Matrix Factorization. Proceedings of the AAAI Conference on Artificial Intelligence, 2010, 24, 1147-1152.	4.9	1
5396	Conformal Mapping by Computationally Efficient Methods. Proceedings of the AAAI Conference on Artificial Intelligence, 2010, 24, 557-562.	4.9	1
5397	SSMD: Dimensionality Reduction and Classification of Hyperspectral Images Based on Spatial-Spectral Manifold Distance Metric Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	10
5398	Graph Convolution RPCA With Adaptive Graph. IEEE Transactions on Image Processing, 2022, 31, 6062-6071.	9.8	2
5399	Manifold Learning via Linear Tangent Space Alignment (LTSA) for Accelerated Dynamic MRI With Sparse Sampling. IEEE Transactions on Medical Imaging, 2023, 42, 158-169.	8.9	2
5400	Revealing Continuous Brain Dynamical Organization with a Multimodal Graph Transformer. Lecture Notes in Computer Science, 2022, , 346-355.	1.3	1
5401	A Temporal Ontology Guided Clustering Methodology with a Case Study on Detection and Tracking of Artificial Intelligence Topics. SSRN Electronic Journal, 0, , .	0.4	0
5402	SF-SGL: Solver-Free Spectral Graph Learning From Linear Measurements. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 1235-1249.	2.7	0

#	ARTICLE	IF	CITATIONS
5403	A Unified Framework Based on Graph Consensus Term for Multiview Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3964-3977.	11.3	0
5404	Convolutional Graph Thermography for Subsurface Defect Detection in Polymer Composites. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	4
5405	Overlapping Community Detection via Semi-Binary Matrix Factorization: Identifiability and Algorithms. IEEE Transactions on Signal Processing, 2022, 70, 4321-4336.	5.3	5
5406	Integrating Constraints into Dimensionality Reduction for Visualization: a Survey. IEEE Transactions on Artificial Intelligence, 2022, , 1-19.	4.7	1
5407	Unsupervised Graph Embedding via Adaptive Graph Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 5329-5336.	13.9	5
5408	Robust Combination of Distributed Gradients Under Adversarial Perturbations. , 2022, , .		0
5409	Data-driven efficient solvers for Langevin dynamics on manifold in high dimensions. Applied and Computational Harmonic Analysis, 2023, 62, 261-309.	2.2	6
5410	Improving Network Representation Learning via Dynamic Random Walk, Self-Attention and Vertex Attributes-Driven Laplacian Space Optimization. Entropy, 2022, 24, 1213.	2.2	0
5411	Identifying spreading influence nodes for social networks. Frontiers of Engineering Management, 2022, 9, 520-549.	6.1	10
5412	A new end-to-end semi-supervised deep learning framework for mastering robot-written character identification. Journal of Intelligent and Fuzzy Systems, 2022, 43, 7833-7846.	1.4	1
5413	Matrix Factorization-Based Dimensionality Reduction Algorithms”€A Comparative Study on Spectroscopic Profiling Data. Analytical Chemistry, 2022, 94, 13385-13395.	6.5	0
5414	Reducing smearing effect in contribution plots and improving fault detection via polynomial approximated isomap embeddings. Canadian Journal of Chemical Engineering, 2023, 101, 2768-2789.	1.7	1
5415	Dimensionality Reduction by Similarity Distance-Based Hypergraph Embedding. Atmosphere, 2022, 13, 1449.	2.3	0
5416	Local Explanation of Dimensionality Reduction. , 2022, , .		0
5417	Fuzzy support vector machine with graph for classifying imbalanced datasets. Neurocomputing, 2022, 514, 296-312.	5.9	7
5418	Preimage Problem Inspired by the F-Transform. Mathematics, 2022, 10, 3209.	2.2	3
5419	CNN and ensemble learning based wafer map failure pattern recognition based on local property based features. Journal of Intelligent Manufacturing, 0, , .	7.3	3
5420	Effective weight function in graphs-based discriminant neighborhood embedding. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	1

#	ARTICLE	IF	CITATIONS
5421	Hyperspectral Band Selection via Band Grouping and Adaptive Multi-Graph Constraint. Remote Sensing, 2022, 14, 4379.	4.0	3
5422	A Smoothed Matrix Multivariate Elliptical Distribution-Based Projection Method for Feature Extraction. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.7	1
5424	Multi-view multi-manifold learning with local and global structure preservation. Applied Intelligence, 0, , .	5.3	1
5425	Consolidation of Structure of High Noise Data by a New Noise Index and Reinforcement Learning. Information Sciences, 2022, , .	6.9	1
5426	A combination of supervised dimensionality reduction and learning methods to forecast solar radiation. Applied Intelligence, 2023, 53, 13053-13066.	5.3	5
5427	Double-layer robust broad logistic regression for detecting weak pulse signal in chaotic interference. , 2022, 131, 103748.		1
5429	A novel and fast blurred image matching method. Academic Journal of Computing & Information Science, 2021, 4, .	0.1	0
5430	Low-Rank Registration Based Manifolds for Convection-Dominated PDEs. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 399-407.	4.9	5
5431	AN EXPLICIT CHARACTERIZATION OF THE DOMAIN OF THE INFINITESIMAL GENERATOR OF A SYMMETRIC DIFFUSION SEMIGROUP ON LP OF A COMPLETE POSITIVE SIGMA-FINITE MEASURE SPACE. Real Analysis Exchange, 2021, 46, .	0.1	0
5432	Spatial Graph Regularized Nonnegative Matrix Factorization for Hyperspectral Unmixing. , 2022, , .		1
5433	Deep multi-view subspace clustering via structure-preserved multi-scale features fusion. Neural Computing and Applications, 2023, 35, 3203-3219.	5.6	5
5434	LDoS attack traffic detection based on feature optimization extraction and DPSA-WGAN. Applied Intelligence, 2023, 53, 13924-13955.	5.3	1
5435	GROWN+UP. , 2022, , .		0
5436	Unified feature extraction framework based on contrastive learning. Knowledge-Based Systems, 2022, 258, 110028.	7.1	2
5437	On component-wise dissimilarity measures and metric properties in pattern recognition. PeerJ Computer Science, 0, 8, e1106.	4.5	4
5439	Towards Principled User-side Recommender Systems. , 2022, , .		1
5441	Data driven identification of international cutting edge science and technologies using SpaCy. PLoS ONE, 2022, 17, e0275872.	2.5	1
5442	A two-phase filtering of discriminative shapelets learning for time series classification. Applied Intelligence, 2023, 53, 13815-13833.	5.3	3

#	ARTICLE	IF	CITATIONS
5443	Fast neighborhood reconstruction with adaptive weights learning. Knowledge-Based Systems, 2022, , 110082.	7.1	0
5444	LESSL: Can LEGO sampling and collaborative optimization contribute to self-supervised learning?. Information Sciences, 2022, 615, 475-490.	6.9	9
5445	Pairwise Constraints Multidimensional Scaling for Discriminative Feature Learning. Mathematics, 2022, 10, 4059.	2.2	1
5446	Linear Regression and Its Inference on Noisy Network-Linked Data. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2022, 84, 1851-1885.	2.2	4
5448	Multiview nonlinear discriminant structure learning for emotion recognition. Knowledge-Based Systems, 2022, 258, 110042.	7.1	1
5449	Harmonic analysis on directed graphs and applications: From Fourier analysis to wavelets. Applied and Computational Harmonic Analysis, 2023, 62, 390-440.	2.2	5
5450	Deep Autoencoder-like NMF with Contrastive Regularization and Feature Relationship Preservation. Expert Systems With Applications, 2023, 214, 119051.	7.6	7
5451	Low-rank constraint based dual projections learning for dimensionality reduction. Signal Processing, 2023, 204, 108817.	3.7	6
5452	Contextual Analysis of Videos. Synthesis Lectures on Image, Video, and Multimedia Processing, 2013, , .	0.9	1
5453	Attention Regularized Laplace Graph for Domain Adaptation. IEEE Transactions on Image Processing, 2022, 31, 7322-7337.	9.8	4
5454	Dictionary, Structured Low-Rank, and Manifold Learning-Based Reconstruction. Advances in Magnetic Resonance Technology and Applications, 2022, , 249-279.	0.1	0
5455	Predicting Drug-Target Interactions Over Heterogeneous Information Network. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 562-572.	6.3	12
5456	Canonical Correlation Analysis With Low-Rank Learning for Image Representation. IEEE Transactions on Image Processing, 2022, 31, 7048-7062.	9.8	2
5457	A Robust Fault Detection Method Based on Neighborhood Preserving Embedding. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	2
5458	Neighborhood Manifold Preserving Matching for Visual Place Recognition. IEEE Transactions on Industrial Informatics, 2023, 19, 8127-8136.	11.3	1
5459	Unsupervised Detection of Sub-Territories of the Subthalamic Nucleus During DBS Surgery With Manifold Learning. IEEE Transactions on Biomedical Engineering, 2023, 70, 1286-1297.	4.2	0
5460	Impact of Signal-to-Noise Ratio and Bandwidth on Graph Laplacian Spectrum From High-Dimensional Noisy Point Cloud. IEEE Transactions on Information Theory, 2023, 69, 1899-1931.	2.4	3
5461	A Generalised Solution to the Out-of-Sample Extension Problem in Manifold Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2011, 25, 471-476.	4.9	6

#	ARTICLE	IF	CITATIONS
5462	Latent Semantic Learning by Efficient Sparse Coding with Hypergraph Regularization. Proceedings of the AAAI Conference on Artificial Intelligence, 2011, 25, 411-416.	4.9	8
5463	A Novel AI-based Method for EV Charging Load Profile Clustering. , 2022, , .		1
5464	Rewighted Manifold Learning of Collective Variables from Enhanced Sampling Simulations. Journal of Chemical Theory and Computation, 2022, 18, 7179-7192.	5.3	8
5465	Joint Characterization of Sentinel-2 Reflectance: Insights from Manifold Learning. Remote Sensing, 2022, 14, 5688.	4.0	5
5466	Comparing different nonlinear dimensionality reduction techniques for data-driven unsteady fluid flow modeling. Physics of Fluids, 2022, 34, .	4.0	19
5467	Shape-aware stochastic neighbor embedding for robust data visualisations. BMC Bioinformatics, 2022, 23, .	2.6	1
5468	Toward learning robust contrastive embeddings for binaural sound source localization. Frontiers in Neuroinformatics, 0, 16, .	2.5	0
5469	Non-Intrusive Load Monitoring of Residential Loads via Laplacian Eigenmaps and Hybrid Deep Learning Procedures. Sustainability, 2022, 14, 14898.	3.2	6
5470	Dimensionality-Reduction Methods for the Analysis of Web Traffic. Lecture Notes in Networks and Systems, 2023, , 62-72.	0.7	0
5471	Somatosensory cortical signature of facial nociception and vibrotactile touch-induced analgesia. Science Advances, 2022, 8, .	10.3	4
5472	Systematic investigation of keywords selection and processing strategy on search engine forecasting: a case of tourist volume in Beijing. Information Technology and Tourism, 2022, 24, 547-580.	5.8	3
5473	Machine learning accelerates the materials discovery. Materials Today Communications, 2022, 33, 104900.	1.9	11
5474	Challenges and opportunities of deep learning-based process fault detection and diagnosis: a review. Neural Computing and Applications, 2023, 35, 211-252.	5.6	21
5475	Computational and Statistical Methods for Single-Cell RNA Sequencing Data. Springer Handbooks of Computational Statistics, 2022, , 3-35.	0.2	0
5476	Intra- and inter-semantic with multi-scale evolving patterns for dynamic graph learning. Knowledge-Based Systems, 2023, 260, 110167.	7.1	0
5477	Locality preserving triplet discriminative projections for dimensionality reduction. Neurocomputing, 2023, 520, 284-300.	5.9	1
5478	Application of the combination method based on RF and LE in near infrared spectral modeling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 289, 122247.	3.9	7
5479	Local Linear Embedding with Adaptive Neighbors. Pattern Recognition, 2023, 136, 109205.	8.1	12

#	ARTICLE	IF	CITATION
5480	Unsupervised feature selection through combining graph learning and $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{a}, \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle$ constraint. Information Sciences, 2023, 622, 68-82.	6.9	19
5481	Multi-Agent Reinforcement Learning For Multi Vehicles One-commodity Vehicle Routing Problem. Procedia Computer Science, 2022, 212, 418-428.	2.0	3
5482	DMT-EV: An Explainable Deep Network for Dimension Reduction. IEEE Transactions on Visualization and Computer Graphics, 2024, 30, 1710-1727.	4.4	4
5483	Collaborative Representation Based Graph Embedding Discriminant Analysis for Face Recognition. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2022, 34, 878-891.	0.2	0
5484	Estimation of the noise level function for color images using mathematical morphology and non-parametric statistics. , 2022, , .		0
5485	Task-adaptive Few-shot Learning on Sphere Manifold. , 2022, , .		0
5486	Nonlinear Multi-Model Reuse. , 2022, , .		0
5487	BiaScope: Visual Unfairness Diagnosis for Graph Embeddings. , 2022, , .		1
5488	Parametric Dimension Reduction by Preserving Local Structure. , 2022, , .		3
5489	Improved dynamic kernel $\langle \text{scp} \rangle \text{PCA} \langle \text{scp} \rangle$ based on local preserving projections and its application for electric submersible pump fault diagnosis. Canadian Journal of Chemical Engineering, 2023, 101, 4539-4554.	1.7	3
5490	Adaptive Filtering on Graphs. , 2022, , 198-249.		0
5491	Generalizing p-Laplacian: spectral hypergraph theory and a partitioning algorithm. Machine Learning, 0, , .	5.4	0
5492	SLISEMAP: supervised dimensionality reduction through local explanations. Machine Learning, 2023, 112, 1-43.	5.4	6
5494	Computing committors via Mahalanobis diffusion maps with enhanced sampling data. Journal of Chemical Physics, 2022, 157, .	3.0	10
5495	Spatial and Temporal Pattern of Rainstorms Based on Manifold Learning Algorithm. Water (Switzerland), 2023, 15, 37.	2.7	1
5496	Data-driven discovery of intrinsic dynamics. Nature Machine Intelligence, 2022, 4, 1113-1120.	16.0	21
5497	A survey on kinship verification. Neurocomputing, 2023, 525, 1-28.	5.9	0
5498	Graph transfer learning. Knowledge and Information Systems, 2023, 65, 1627-1656.	3.2	1

#	ARTICLE	IF	CITATIONS
5499	Neural manifold analysis of brain circuit dynamics in health and disease. Journal of Computational Neuroscience, 2023, 51, 1-21.	1.0	10
5500	Temporal Mapper: Transition networks in simulated and real neural dynamics. Network Neuroscience, 2023, 7, 431-460.	2.6	2
5501	Conserved structures of neural activity in sensorimotor cortex of freely moving rats allow cross-subject decoding. Nature Communications, 2022, 13, .	12.8	4
5502	Hypergraph regularized low-rank tensor multi-view subspace clustering via L1 norm constraint. Applied Intelligence, 0, , .	5.3	0
5503	A pseudo principal component analysis method for multi-dimensional open-high-low-close data in candlestick chart. Communications in Statistics - Theory and Methods, 0, , 1-27.	1.0	6
5504	Graph-theoretic algorithms for Kolmogorov operators: approximating solutions and their gradients in elliptic and parabolic problems on manifolds. Calcolo, 2023, 60, .	1.1	1
5505	Computational Methods for Single-cell Multi-omics Integration and Alignment. Genomics, Proteomics and Bioinformatics, 2022, 20, 836-849.	6.9	23
5506	Dimensionality reduction using local-global standard hypergraph embedding for rotor fault diagnosis. Measurement Science and Technology, 2023, 34, 034006.	2.6	2
5507	Low-rank tensor multi-view subspace clustering via cooperative regularization. Multimedia Tools and Applications, 2023, 82, 38141-38164.	3.9	1
5508	Varieties of corona news: a cross-national study on the foundations of online misinformation production during the COVID-19 pandemic. Journal of Computational Social Science, 2023, 6, 191-243.	2.4	1
5509	NetSHy: network summarization via a hybrid approach leveraging topological properties. Bioinformatics, 2023, 39, .	4.1	3
5511	Intelligent electronic tongue system for the classification of genuine and false honeys. International Journal of Food Properties, 2023, 26, 327-343.	3.0	4
5512	Realization of Autoencoders by Kernel Methods. Lecture Notes in Computer Science, 2022, , 1-10.	1.3	0
5513	t-SNE Highlights Phylogenetic and Temporal Patterns of SARS-CoV-2 Spike and Nucleocapsid Protein Evolution. Lecture Notes in Computer Science, 2022, , 255-262.	1.3	0
5514	United States Federal Emergency Management Agency regional clustering by disaster exposure: a new paradigm for disaster response. Natural Hazards, 2023, 116, 3427-3445.	3.4	1
5515	Investigation of Surrogate Modeling Options with High-Dimensional Input and Output. AIAA Journal, 2023, 61, 1334-1348.	2.6	2
5516	Dual Structural Consistency Preserving Community Detection on Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 11301-11315.	5.7	2
5517	Towards an ML-based semantic IoT for pandemic management: A survey of enabling technologies for COVID-19. Neurocomputing, 2023, 528, 160-177.	5.9	6

#	ARTICLE	IF	CITATIONS
5518	Fault Monitoring Based on the VLSW-MADF Test and DLPPCA for Multimodal Processes. <i>Sensors</i> , 2023, 23, 987.	3.8	3
5519	Transforming Complex Problems into K-means Solutions. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, , 1-20.	13.9	5
5520	Data Preprocessing Technology in Pipeline Health Monitoring. , 2023, , 213-255.		0
5522	Robust non-negative supervised low-rank discriminant embedding (NSLRDE) for feature extraction. <i>International Journal of Machine Learning and Cybernetics</i> , 2023, 14, 2155-2168.	3.6	0
5523	Manifold learning for coherent design interpolation based on geometrical and topological descriptors. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2023, 405, 115859.	6.6	1
5524	A novel weakly supervised semantic segmentation framework to improve the resolution of land cover product. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2023, 196, 73-92.	11.1	6
5525	AIC-GNN: Adversarial information completion for graph neural networks. <i>Information Sciences</i> , 2023, 626, 166-179.	6.9	2
5526	Computing committors in collective variables via Mahalanobis diffusion maps. <i>Applied and Computational Harmonic Analysis</i> , 2023, 64, 62-101.	2.2	6
5527	A review of computational modeling, machine learning and image analysis in cancer metastasis dynamics. <i>Computational and Systems Oncology</i> , 2023, 3, .	1.5	1
5528	DFinder: a novel end-to-end graph embedding-based method to identify drug–food interactions. <i>Bioinformatics</i> , 2023, 39, .	4.1	5
5529	Fitting an immersed submanifold to data via Sussmann’s orbit theorem. , 2022, , .		0
5530	Learning Emotion Representations on a Manifold. , 2022, , .		0
5531	Multi-view subspace enhanced representation of manifold regularization and low-rank tensor constraint. <i>International Journal of Machine Learning and Cybernetics</i> , 0, , .	3.6	0
5532	MFIDMA: A Multiple Information Integration Model for the Prediction of Drug–miRNA Associations. <i>Biology</i> , 2023, 12, 41.	2.8	3
5534	BS-GAENets: Brain-Spatial Feature Learning Via Graph Deep Autoencoder for Multi-modal Neuroimaging Analysis. <i>Communications in Computer and Information Science</i> , 2023, , 303-327.	0.5	0
5535	Laplacian-Based Dimensionality Reduction. , 2023, , 249-284.		0
5536	Locally Linear Embedding. , 2023, , 207-247.		0
5537	PET Image Reconstruction With Kernel and Kernel Space Composite Regularizer. <i>IEEE Transactions on Medical Imaging</i> , 2023, 42, 1786-1798.	8.9	3

#	ARTICLE	IF	CITATIONS
5538	Dimensionality reduction using PCAs in feature partitioning framework. , 2023, , 269-286.		0
5539	Lie group dee learning technique to identify the precision errors by map geometry functions in smart manufacturing. International Journal of Advanced Manufacturing Technology, 0, , .	3.0	5
5541	Finding reinforced structural hole spanners in social networks via node embedding. Intelligent Data Analysis, 2023, 27, 297-318.	0.9	0
5544	Bisecting for Selecting: Using a Laplacian Eigenmaps Clustering Approach to Create the New European Football Super League. Mathematics, 2023, 11, 720.	2.2	0
5545	Joint Label Enhancement and Label Distribution Learning via Stacked Graph Regularization-Based Polynomial Fuzzy Broad Learning System. IEEE Transactions on Fuzzy Systems, 2023, 31, 3290-3304.	9.8	0
5546	SpectralMAP: Approximating Data Manifold With Spectral Decomposition. IEEE Access, 2023, 11, 31530-31540.	4.2	0
5547	Incremental label propagation for data sets with imbalanced labels. Neurocomputing, 2023, 535, 144-155.	5.9	1
5548	Underestimation modification for intrinsic dimension estimation. Pattern Recognition, 2023, 140, 109580.	8.1	1
5549	Dual-graph regularized concept factorization for multi-view clustering. Expert Systems With Applications, 2023, 223, 119949.	7.6	5
5550	Discriminative subspace learning via optimization on Riemannian manifold. Pattern Recognition, 2023, 139, 109450.	8.1	5
5551	MEQA: Manifold embedding quality assessment via anisotropic scaling and Kolmogorov-Smirnov test. Pattern Recognition, 2023, 139, 109447.	8.1	1
5552	A Unified Framework for Tuning Hyperparameters in Clustering Problems. Statistica Sinica, 2024, , .	0.3	0
5553	Persistence Homology of Proximity Hyper-Graphs for Higher Dimensional Big Data. , 2022, , .		2
5554	Evaluating COVID-19 Sequence Data Using Nearest-Neighbors Based Network Model. , 2022, , .		3
5555	Robust Dimensionality Reduction via Low-rank Laplacian Graph Learning. ACM Transactions on Intelligent Systems and Technology, 2023, 14, 1-24.	4.5	4
5556	IAN: Iterated Adaptive Neighborhoods for Manifold Learning and Dimensionality Estimation. Neural Computation, 2023, 35, 453-524.	2.2	2
5557	Dimensionality reduction by regularized least squares weighted discriminant projection. , 2021, , .		0
5558	Self-Organizing Map-Based Graph Clustering and Visualization on Streaming Graphs. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
5560	Manifold analysis of the P-wave changes induced by pulmonary vein isolation during cryoballoon procedure. Computers in Biology and Medicine, 2023, 155, 106655.	7.0	1
5561	A spectral method for assessing and combining multiple data visualizations. Nature Communications, 2023, 14, .	12.8	8
5562	UDRN: Unified Dimensional Reduction Neural Network for feature selection and feature projection. Neural Networks, 2023, 161, 626-637.	5.9	2
5563	Trajectory Inference for Unraveling Dynamic Biological Processes from Raman Spectral Data. Analytical Chemistry, 2023, 95, 4395-4403.	6.5	3
5564	Fast orthogonal locality-preserving projections for unsupervised feature selection. Neurocomputing, 2023, 531, 100-113.	5.9	3
5565	An NPE-PCA-based Detection Method of Distribution Transformer Closing Surge Waveform. Journal of Physics: Conference Series, 2023, 2427, 012019.	0.4	0
5566	Side effects of learning from low-dimensional data embedded in a Euclidean space. Research in Mathematical Sciences, 2023, 10, .	1.0	2
5567	Random Walk Approximation for Stochastic Processes on Graphs. Entropy, 2023, 25, 394.	2.2	0
5568	Manifold Embeddings by Heat Kernels of Connection Laplacian. La Matematica, 2023, 2, 136-155.	0.7	0
5569	Statistical Embedding: Beyond Principal Components. Statistical Science, 2023, -1, .	2.8	0
5570	Adaptive Reference-Related Graph Embedding for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	1
5571	Non-negative low-rank adaptive preserving sparse matrix regression model for supervised image feature selection and classification. IET Image Processing, 2023, 17, 2056-2071.	2.5	1
5572	Gorge: graph convolutional networks on heterogeneous multi-relational graphs for polypharmacy side effect prediction. Advances in Computational Intelligence, 2023, 3, .	1.1	1
5574	Effective Dimensionality Reduction Using Kernel Locality Preserving Partial Least Squares Discriminant Analysis. Bulletin of the Malaysian Mathematical Sciences Society, 2023, 46, .	0.9	0
5576	Data Analysis for Information Discovery. Applied Sciences (Switzerland), 2023, 13, 3481.	2.5	1
5577	Selecting High-Dimensional Representations of Physical Systems by Reweighted Diffusion Maps. Journal of Physical Chemistry Letters, 2023, 14, 2778-2783.	4.6	4
5578	Graph Contrastive Learning with Positional Representation for Recommendation. Lecture Notes in Computer Science, 2023, , 288-303.	1.3	3
5580	Joint-embeddings reveal functional differences in default-mode network architecture between marmosets and humans. NeuroImage, 2023, 272, 120035.	4.2	6

#	ARTICLE	IF	CITATIONS
5581	Multi-omics Data Integration Model based on Isomap and Convolutional Neural Network. , 2022, , .		0
5583	Geometrically Preserved Dual Projections Learning for Multi-label Classification. Neural Processing Letters, 0, , .	3.2	0
5584	Local Tetra Pattern-based Bilateral LPP in Robot Navigation Guidance Systems: A Robust Approach against Vision Sensor Noises. , 2022, , .		0
5585	Summarizing Data Structures with Gaussian Process and Robust Neighborhood Preservation. Lecture Notes in Computer Science, 2023, , 157-173.	1.3	1
5586	Multi-channel Walk Embedding Based Ethereum Phishing Scam Detection Method. , 2023, , .		0
5587	Adaptive Kernel Graph Nonnegative Matrix Factorization. Information (Switzerland), 2023, 14, 208.	2.9	1
5588	Schwarzschild Harmonic Path Planning and Tetrahedral Mesh Smoothing. SIAM Journal on Imaging Sciences, 2023, 16, 568-584.	2.2	0
5589	Diffusion Transport Alignment. Lecture Notes in Computer Science, 2023, , 116-129.	1.3	1
5590	Structure-preserving visualization for single-cell RNA-Seq profiles using deep manifold transformation with batch-correction. Communications Biology, 2023, 6, .	4.4	0
5591	Improved extended-range prediction of persistent stratospheric perturbations using machine learning. Weather and Climate Dynamics, 2023, 4, 287-307.	3.5	0
5592	clusterMaker2: a major update to clusterMaker, a multi-algorithm clustering app for Cytoscape. BMC Bioinformatics, 2023, 24, .	2.6	3
5593	Industrial Data Modeling with Low-Dimensional Inputs and High-Dimensional Outputs. IEEE Transactions on Industrial Informatics, 2023, , 1-9.	11.3	0
5594	Learning effective SDEs from Brownian dynamic simulations of colloidal particles. Molecular Systems Design and Engineering, 2023, 8, 887-901.	3.4	2
5595	A geometric framework for outlier detection in high-dimensional data. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 0, , .	6.8	0
5596	Hyperspectral Image Acquisition Methods and Processing Techniques Based on Traditional and Deep Learning Methodologies-A Study. , 2022, , .		0
5597	Drug Side Effects Prediction via Heterogeneous Multi-Relational Graph Convolutional Networks. , 2022, , .		0
5598	Functional gradients of the medial parietal cortex in a healthy cohort with family history of sporadic Alzheimer's disease. Alzheimer's Research and Therapy, 2023, 15, .	6.2	0
5599	A review on the <i>t</i> -distributed stochastic neighbors embedding. Ungyong T'onggye Yon'gu = the Korean Journal of Applied Statistics, 2023, 36, 167-173.	0.1	0

#	ARTICLE	IF	CITATIONS
5600	Graph Representation Learning and Its Applications: A Survey. Sensors, 2023, 23, 4168.	3.8	6
5601	Water resource and ecotone transformation in coastal ecosystems: An integrative agent-based model approach. , 2024, , 325-347.		1
5602	Structural regularization based discriminative multi-view unsupervised feature selection. Knowledge-Based Systems, 2023, 272, 110601.	7.1	5
5603	Manifold learning by a deep Gaussian process autoencoder. Neural Computing and Applications, 0, , .	5.6	0
5604	Low-rank and global-representation-key-based attention for graph transformer. Information Sciences, 2023, 642, 119108.	6.9	1
5605	Interpretable Clustering via Soft Clustering Trees. Lecture Notes in Computer Science, 2023, , 281-298.	1.3	0
5606	Visualization and Extraction of Important Structural Changes via Dynamic Hypergraph Embedding. , 2022, , .		0
5607	Multitask joint strategies of self-supervised representation learning on biomedical networks for drug discovery. Nature Machine Intelligence, 2023, 5, 445-456.	16.0	7
5608	A Survey on Dimensionality Reduction Techniques for Time-Series Data. IEEE Access, 2023, 11, 42909-42923.	4.2	1
5609	Diffusion Mechanism in Residual Neural Network: Theory and Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2024, 46, 667-680.	13.9	1
5610	Procrustes Analysis on the Manifold of SPSD Matrices for Data Sets Alignment. IEEE Transactions on Signal Processing, 2023, 71, 1907-1921.	5.3	1
5611	Analysis of Image Hashing in Wafer Map Failure Pattern Recognition. IEEE Transactions on Semiconductor Manufacturing, 2023, , 1-1.	1.7	0
5612	Link prediction in research collaboration: a multi-network representation learning framework with joint training. Multimedia Tools and Applications, 0, , .	3.9	0
5613	Age-related differences in the functional topography of the locus coeruleus and their implications for cognitive and affective functions. ELife, 0, 12, .	6.0	2
5614	Adaptive multi-granularity sparse subspace clustering. Information Sciences, 2023, 642, 119143.	6.9	4
5615	On a class of nonlocal continuity equations on graphs. European Journal of Applied Mathematics, 2024, 35, 109-126.	2.9	1
5616	Dictionary learning for integrative, multimodal and scalable single-cell analysis. Nature Biotechnology, 2024, 42, 293-304.	17.5	98
5617	Reconstructed Graph Constrained Auto-Encoders for Multi-View Representation Learning. IEEE Transactions on Multimedia, 2024, 26, 1319-1332.	7.2	1

#	ARTICLE	IF	CITATIONS
5618	Phases and Their Transitions Characterizing the Dynamics of Global Terrorism: A Multidimensional Scaling and Visualization Approach. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2023, 33, .	1.7	0
5619	Local sensitive discriminative broad learning system for hyperspectral image classification. Engineering Applications of Artificial Intelligence, 2023, 123, 106307.	8.1	3
5620	Effective and Efficient PageRank-based Positioning for Graph Visualization. , 2023, 1, 1-27.		0
5621	Soft dimensionality reduction for reinforcement data clustering. World Wide Web, 0, , .	4.0	0
5622	Diffusion Maps: Using the Semigroup Property for Parameter Tuning. Applied and Numerical Harmonic Analysis, 2023, , 409-424.	0.3	1
5623	Geometric constraints on human brain function. Nature, 2023, 618, 566-574.	27.8	67
5624	MMNet: a medical image-to-image translation network based on manifold-value correction and manifold matching. Neural Computing and Applications, 0, , .	5.6	0
5625	Functional architecture of M1 cells encoding movement direction. Journal of Computational Neuroscience, 2023, 51, 299-327.	1.0	1
5626	Wassmap: Wasserstein Isometric Mapping for Image Manifold Learning. SIAM Journal on Mathematics of Data Science, 2023, 5, 475-501.	1.8	2
5627	Joint Sparse Locality Preserving Regression for Discriminative Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2024, 8, 790-801.	4.9	0
5628	Graph Signal Processing: History, development, impact, and outlook. IEEE Signal Processing Magazine, 2023, 40, 49-60.	5.6	6
5629	Manifold-based denoising, outlier detection, and dimension reduction algorithm for high-dimensional data. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
5630	A Scalable Unsupervised Feature Selection With Orthogonal Graph Representation for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	2
5631	Rapid detection of lignin content in corn straw based on Laplacian Eigenmaps. Infrared Physics and Technology, 2023, 133, 104787.	2.9	0
5632	Group fairness without demographics using social networks. , 2023, , .		0
5633	Matrix Factorization Techniques in Machine Learning, Signal Processing, and Statistics. Mathematics, 2023, 11, 2674.	2.2	2
5634	Deep nonparametric regression on approximate manifolds: Nonasymptotic error bounds with polynomial prefactors. Annals of Statistics, 2023, 51, .	2.6	3
5635	Co-occurrence statistics-based global and local feature learning for graph networks. Soft Computing, 2023, 27, 11319-11328.	3.6	0

#	ARTICLE	IF	CITATIONS
5636	Applying Joint Graph Embedding to Study Alzheimer's Neurodegeneration Patterns in Volumetric Data. Neuroinformatics, 0, , .	2.8	0
5637	Double Graphs Regularized Multi-View Subspace Clustering. International Journal of Wavelets, Multiresolution and Information Processing, 0, , .	1.3	0
5638	Which Anatomical Directions to Quantify Local Right Ventricular Strain in 3D Echocardiography?. Lecture Notes in Computer Science, 2023, , 607-615.	1.3	0
5639	Smoothness Harmonic: A Graph-Based Approach to Reveal Spatiotemporal Patterns of Cortical Dynamics in fMRI Data. Applied Sciences (Switzerland), 2023, 13, 7130.	2.5	0
5640	GSPHI: A novel deep learning model for predicting phage-host interactions via multiple biological information. Computational and Structural Biotechnology Journal, 2023, 21, 3404-3413.	4.1	1
5642	A unified framework for multi-lead ECG characterization using Laplacian Eigenmaps. Physiological Measurement, 0, , .	2.1	0
5643	Adaptive affinity matrix learning for dimensionality reduction. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
5644	A Survey on Hypergraph Representation Learning. ACM Computing Surveys, 2024, 56, 1-38.	23.0	7
5645	C ₂ + Selectivity for CO ₂ Electroreduction on Oxidized Cu-Based Catalysts. Journal of the American Chemical Society, 2023, 145, 14335-14344.	13.7	24
5646	Adaptive graph regularized non-negative Tucker decomposition for multiway dimensionality reduction. Multimedia Tools and Applications, 2024, 83, 9647-9668.	3.9	0
5647	Deep Manifold Learning for Weak Signal Detection. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	4.7	0
5648	A Manifold-Based Method for Long-Term Indoor Positioning Using WiFi Fingerprinting. , 2023, , 441-458.		0
5649	Towards Accurate Smartphone Localization Using CSI Measurements. Computer Journal, 0, , .	2.4	0
5650	Topological Generality and Spectral Dimensionality in the Earth Mineral Dust Source Investigation (EMIT) Using Joint Characterization and the Spectral Mixture Residual. Remote Sensing, 2023, 15, 2295.	4.0	1
5651	Adaptive Decomposition of Multicomponent Signals and Estimation of Phase Synchronization. IEEE Transactions on Signal Processing, 2023, 71, 1586-1598.	5.3	2
5652	Feature-correlation-aware history-preserving-sparse-coding framework for automatic vertebra recognition. Computers in Biology and Medicine, 2023, 160, 106977.	7.0	0
5653	A Quantum Algorithm for Solving Eigenproblem of the Laplacian Matrix of a Fully Connected Weighted Graph. Advanced Quantum Technologies, 2023, 6, .	3.9	2
5654	Local nonlinear dimensionality reduction via preserving the geometric structure of data. Pattern Recognition, 2023, 143, 109663.	8.1	4

#	ARTICLE	IF	CITATIONS
5655	On Minimal Variations for Unsupervised Representation Learning. , 2023, , .		1
5656	Multimodal fusion models for pulmonary embolism mortality prediction. Scientific Reports, 2023, 13, .	3.3	1
5657	Graph Laplacian for Semi-supervised Learning. Lecture Notes in Computer Science, 2023, , 250-262.	1.3	0
5658	Graph-based model for adaptive simulation of beam propagation in turbulent media. Optics Express, 2023, 31, 18533.	3.4	0
5660	Beam SNR Prediction Using Channel Charting. IEEE Transactions on Vehicular Technology, 2023, 72, 13130-13145.	6.3	0
5661	Machine learning Approaches for Detecting Dorsolateral Oscillatory Region (DLOR). , 2023, , .		0
5662	Robust Feature Extraction via ℓ_2 -Norm based Nonnegative Tucker Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2023, , 1-1.	8.3	0
5663	Cross-modal hashing with missing labels. Neural Networks, 2023, 165, 60-76.	5.9	1
5664	Utility of Machine Learning Technology in Microbial Identification: A Critical Review. Postepy Mikrobiologii, 2023, 62, 65-74.	0.1	0
5665	Rough Entropy-Based Fused Granular Features in 2-D Locality Preserving Projections for High-Dimensional Vision Sensor Data. IEEE Sensors Journal, 2023, 23, 18374-18383.	4.7	1
5666	Arbitrary Triangle Structure Adaptive Mean PCA and Image Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 754-769.	8.3	0
5668	Algebraic topology as an analytic tool to check lossless nature of geometric algorithms. , 2023, , .		0
5669	Multi-View Projection Learning via Adaptive Graph Embedding for Dimensionality Reduction. Electronics (Switzerland), 2023, 12, 2934.	3.1	0
5670	Dynamic hypergraph embedding onto concentric hypersphere manifold intended for effective visualization. Applied Network Science, 2023, 8, .	1.5	0
5671	A Gaussian Process Decoder with Spectral Mixtures and a Locally Estimated Manifold for Data Visualization. Applied Sciences (Switzerland), 2023, 13, 8018.	2.5	0
5672	Manifold learning for fMRI time-varying functional connectivity. Frontiers in Human Neuroscience, 0, 17, .	2.0	0
5673	MeT: A graph transformer for semantic segmentation of 3D meshes. Computer Vision and Image Understanding, 2023, 235, 103773.	4.7	2
5674	A topological based feature extraction method for the stock market. Data Science in Finance and Economics, 2023, 3, 208-229.	1.5	1

#	ARTICLE	IF	CITATIONS
5675	A Preprocessing Manifold Learning Strategy Based on t-Distributed Stochastic Neighbor Embedding. Entropy, 2023, 25, 1065.	2.2	1
5676	Data preprocessing impact on machine learning algorithm performance. Open Computer Science, 2023, 13, .	1.7	1
5677	Manifold learning in atomistic simulations: a conceptual review. Machine Learning: Science and Technology, 2023, 4, 031001.	5.0	3
5678	Robust Inference of Manifold Density and Geometry by Doubly Stochastic Scaling. SIAM Journal on Mathematics of Data Science, 2023, 5, 589-614.	1.8	1
5682	Bounded Projection Matrix Approximation With Applications to Community Detection. IEEE Signal Processing Letters, 2023, 30, 957-961.	3.6	0
5683	VEND: Vertex Encoding for Edge Nonexistence Determination. , 2023, , .		0
5684	Continuous user identification in distance learning: a recent technology perspective. Smart Learning Environments, 2023, 10, .	7.6	3
5685	NMF and Manifold Learning for Multi-aspect Data. Intelligent Systems Reference Library, 2023, , 51-76.	1.2	0
5686	Multi-aspect Data Learning: Overview, Challenges and Approaches. Intelligent Systems Reference Library, 2023, , 1-25.	1.2	0
5687	Spectral Clustering on Multi-aspect Data. Intelligent Systems Reference Library, 2023, , 103-126.	1.2	0
5688	Subspace Learning for Multi-aspect Data. Intelligent Systems Reference Library, 2023, , 77-101.	1.2	0
5689	Spectral Laplace Transform of Signals on Arbitrary Domains. Journal of Scientific Computing, 2023, 96, .	2.3	0
5690	Shared and individual representation learning with Feature Diversity for Deep MultiView Clustering. Information Sciences, 2023, 647, 119426.	6.9	1
5691	Entropic principal component analysis using Cauchyâ€Schwarz divergence. Knowledge and Information Systems, 2023, 65, 5375-5385.	3.2	0
5692	Nonlinear Schemes: Clustering, Feature Extraction and Dimension Reduction. , 2023, , 193-226.		0
5694	Manifold Learning, the Scheme of Laplacian Eigenmaps. , 2023, , 227-251.		0
5695	Software Defect Prediction using Multi-scale Structural Information. , 2023, , .		0
5696	Laplacian-based Cluster-Contractive t-SNE for High-Dimensional Data Visualization. ACM Transactions on Knowledge Discovery From Data, 2024, 18, 1-22.	3.5	0

#	ARTICLE	IF	CITATIONS
5697	Discovering conservation laws using optimal transport and manifold learning. Nature Communications, 2023, 14, .	12.8	3
5698	A brief review of contrastive learning applied to astrophysics. , 2023, 2, 441-452.		3
5699	3D reconstruction of abdominal aortic aneurysm using Laplacian Eigenmaps. AIP Conference Proceedings, 2023, , .	0.4	0
5700	Low Redundancy Learning forÂUnsupervised Multi-view Feature Selection. Lecture Notes in Computer Science, 2023, , 179-190.	1.3	0
5701	What Are Higher-Order Networks?. SIAM Review, 2023, 65, 686-731.	9.5	30
5702	Hypergraph Embedding Based onÂRandom Walk withÂAdjusted Transition Probabilities. Lecture Notes in Computer Science, 2023, , 91-100.	1.3	0
5703	Multi-scale Dimensionality Reduction withÂF-Transforms inÂTime Series Analysis. Lecture Notes in Networks and Systems, 2023, , 22-34.	0.7	0
5704	REFINED-CNN framework for survival prediction with high-dimensional features. IScience, 2023, 26, 107627.	4.1	0
5705	Arbitrariness of Outward Closeness in Laplacian Dimensionality Reduction. Lecture Notes in Computer Science, 2023, , 419-427.	1.3	0
5706	Spatiotemporal analysis using Riemannian composition of diffusion operators. Applied and Computational Harmonic Analysis, 2024, 68, 101583.	2.2	0
5707	Discriminative Noise Robust Sparse Orthogonal Label Regression-Based Domain Adaptation. International Journal of Computer Vision, 0, , .	15.6	1
5708	Partial multi-label learning: exploration of binary ground-truth labels. , 2023, , .		0
5709	Multi-view Sparse Laplacian Eigenmaps for nonlinear Spectral Feature Selection. , 2023, , .		0
5710	Age-related differences in the functional topography of the locus coeruleus and their implications for cognitive and affective functions. ELife, 0, 12, .	6.0	0
5711	Advances in the Development of Representation Learning and Its Innovations against COVID-19. Covid, 2023, 3, 1389-1415.	1.5	0
5712	A Machine Learning Pipeline for Cancer Detection on Microarray Data: The Role of Feature Discretization and Feature Selection. BioMedInformatics, 2023, 3, 585-604.	2.0	2
5713	Real-world data in rheumatoid arthritis: patient similarity networks as a tool for clinical evaluation of disease activity. Applied Network Science, 2023, 8, .	1.5	0
5714	Shape-Informed Dimensional Reduction in Airfoil/Hydrofoil Modeling. Journal of Marine Science and Engineering, 2023, 11, 1851.	2.6	0

#	ARTICLE	IF	CITATIONS
5715	Multi-View Diffusion Process for Spectral Clustering and Image Retrieval. IEEE Transactions on Image Processing, 2023, 32, 4610-4620.	9.8	0
5716	DNA-GPS: A theoretical framework for optics-free spatial genomics and synthesis of current methods. Cell Systems, 2023, 14, 844-859.e4.	6.2	0
5717	Genetic descriptor search algorithm for predicting hydrogen adsorption free energy of 2D material. Scientific Reports, 2023, 13, .	3.3	0
5718	PLPCA: Persistent Laplacian-Enhanced PCA for Microarray Data Analysis. Journal of Chemical Information and Modeling, 0, , .	5.4	3
5719	Multimode process identification and monitoring based on hierarchical fluctuation window strategy. Measurement: Journal of the International Measurement Confederation, 2023, 223, 113700.	5.0	0
5720	A Novel Fuzzy Unsupervised Feature Learning Approach. International Journal of Computational Intelligence and Applications, 2023, 22, .	0.8	0
5721	SCM Enables Improved Single-Cell Clustering by Scoring Consensus Matrices. Mathematics, 2023, 11, 3785.	2.2	1
5723	Multiresolution graph transformers and wavelet positional encoding for learning long-range and hierarchical structures. Journal of Chemical Physics, 2023, 159, .	3.0	3
5724	ReGRL: An Informative Graph Representation via Hierarchical Recursive Learning for Legal Case Recommendation. , 2023, , .		0
5725	A New Decomposition of the Graph Laplacian and the Binomial Structure of Mass-Action Systems. Journal of Nonlinear Science, 2023, 33, .	2.1	1
5726	An introduction to representation learning for single-cell data analysis. Cell Reports Methods, 2023, 3, 100547.	2.9	3
5727	Fixed Point Laplacian Mapping: A Geometrically Correct Manifold Learning Algorithm. , 2023, , .		0
5728	Enhanced Loss Function based on Laplacian Eigenmaps for Graph Classification. , 2023, , .		0
5729	Minimax optimal regression over Sobolev spaces via Laplacian Eigenmaps on neighbourhood graphs. Information and Inference, 2023, 12, 2423-2502.	1.6	0
5730	Unsupervised Dimensionality Reduction With Multifeature Structure Joint Preserving Embedding for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 7585-7599.	4.9	0
5731	A second-order nonlocal approximation for Poisson model with Dirichlet boundary. Research in Mathematical Sciences, 2023, 10, .	1.0	1
5732	Feature Alignment and Uniformity for Test Time Adaptation. , 2023, , .		2
5733	BASiS: Batch Aligned Spectral Embedding Space. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
5734	Sample-level Multi-view Graph Clustering. , 2023, , .		1
5735	Hubs and Hyperspheres: Reducing Hubness and Improving Transductive Few-Shot Learning with Hyperspherical Embeddings. , 2023, , .		1
5736	Hypothesis testing for equality of latent positions in random graphs. Bernoulli, 2023, 29, .	1.3	1
5737	Space-invariant projection in streaming network embedding. Information Sciences, 2023, 649, 119637.	6.9	1
5738	Studying bias in visual features through the lens of optimal transport. Data Mining and Knowledge Discovery, 0, , .	3.7	0
5739	Network embedding based on high-degree penalty and adaptive negative sampling. Data Mining and Knowledge Discovery, 2024, 38, 597-622.	3.7	0
5740	Diffusion maps for embedded manifolds with boundary with applications to PDEs. Applied and Computational Harmonic Analysis, 2024, 68, 101593.	2.2	2
5741	Consistent and Multi-Scale Scene Graph Transformer for Semantic-Guided Image Outpainting. , 2023, , .		0
5742	Nonlinear Manifold Learning and Model Reduction for Transonic Flows. AIAA Journal, 2023, 61, 5498-5513.	2.6	2
5743	Unsupervised Knowledge Extraction from Biomedical Data. IFMBE Proceedings, 2024, , 243-254.	0.3	0
5745	A Tutorial on the Spectral Theory of Markov Chains. Neural Computation, 2023, 35, 1713-1796.	2.2	1
5746	Deep low-rank tensor embedding for multi-view subspace clustering. Expert Systems With Applications, 2024, 237, 121518.	7.6	0
5747	An Improved Graph Isomorphism Network for Accurate Prediction of Drug-Drug Interactions. Mathematics, 2023, 11, 3990.	2.2	0
5748	Fuzzy K-Nearest Neighbor Graph Regularized Non-Negative Matrix Factorization. , 2023, , .		0
5749	Unsupervised Machine Learning Methods. Springer Textbooks in Earth Sciences, Geography and Environment, 2023, , 61-69.	0.3	0
5750	Dynamic Background Modeling and Foreground Detection using Orthogonal Projection onto the Subspace of Moving Objects. , 2023, , .		0
5751	Inferring local structure from pairwise correlations. Physical Review E, 2023, 108, .	2.1	0
5752	Machine Learning in Computer Aided Engineering. Computational Methods in Engineering & the Sciences, 2023, , 1-83.	0.3	0

#	ARTICLE	IF	CITATIONS
5753	Structure-Free Mendeleev Encodings of Material Compounds for Machine Learning. Chemistry of Materials, 0, , .	6.7	0
5754	Weak link prediction based on hyper latent distance in complex network. Expert Systems With Applications, 2024, 238, 121843.	7.6	0
5755	Component preserving laplacian eigenmaps for data reconstruction and dimensionality reduction. Applied Intelligence, 0, , .	5.3	0
5756	A Convolutional Knowledge Tracing Method based on Graph Embedding. , 2023, , .		0
5757	Deep nonparametric estimation of intrinsic data structures by chart autoencoders: Generalization error and robustness. Applied and Computational Harmonic Analysis, 2024, 68, 101602.	2.2	1
5758	K-Deep Simplex: Manifold Learning via Local Dictionaries. IEEE Transactions on Signal Processing, 2023, 71, 3741-3754.	5.3	0
5759	Multi-level correlation learning for multi-view unsupervised feature selection. Knowledge-Based Systems, 2023, 281, 111073.	7.1	0
5760	A Randomized Sparsity Preserving Projection and its Exponential Approach for Image Recognition. IEEE Access, 2023, 11, 114714-114724.	4.2	0
5761	“Intelligent Heuristics Are the Future of Computing” ACM Transactions on Intelligent Systems and Technology, 2023, 14, 1-39.	4.5	0
5762	Coordinate Descent Optimized Trace Difference model for joint clustering and feature extraction. Pattern Recognition, 2023, , 110062.	8.1	0
5763	Learning Regularity for Evolutionary Multiobjective Search: A Generative Model-Based Approach. IEEE Computational Intelligence Magazine, 2023, 18, 29-42.	3.2	0
5764	Learning low-dimensional nonlinear structures from high-dimensional noisy data: An integral operator approach. Annals of Statistics, 2023, 51, .	2.6	1
5765	Semi-supervised enhanced discriminative local constraint preserving projection for dimensionality reduction of medical hyperspectral images. Computers in Biology and Medicine, 2023, 167, 107568.	7.0	2
5766	Spherical coordinates from persistent cohomology. Journal of Applied and Computational Topology, 2024, 8, 149-173.	2.0	1
5767	A Re-evaluation of Deep Learning Methods for Attributed Graph Clustering. , 2023, , .		1
5768	Out-of-Sample Extension of the Fuzzy Transform. IEEE Transactions on Fuzzy Systems, 2024, 32, 1424-1434.	9.8	0
5769	A rankability-based fuzzy decision making procedure for oil supplier selection. Applied Soft Computing Journal, 2023, , 110956.	7.2	0
5770	Theoretical tools for understanding the climate crisis from Hasselmann’s programme and beyond. Nature Reviews Physics, 2023, 5, 744-765.	26.6	1

#	ARTICLE	IF	CITATIONS
5771	Physics-guided diagnosis framework for bridge health monitoring using raw vehicle accelerations. Mechanical Systems and Signal Processing, 2024, 206, 110899.	8.0	0
5772	Similarity-assisted variational autoencoder for nonlinear dimension reduction with application to single-cell RNA sequencing data. BMC Bioinformatics, 2023, 24, .	2.6	1
5773	Dual selections based knowledge transfer learning for cross-subject motor imagery EEG classification. Frontiers in Neuroscience, 0, 17, .	2.8	0
5774	Learning graph Laplacian with MCP. Optimization Methods and Software, 0, , 1-32.	2.4	0
5775	Learning by Autonomous Manifold Deformation with an Intrinsic Deforming Field. Symmetry, 2023, 15, 1995.	2.2	0
5776	Stable and Fast Deep Mutual Information Maximization Based on Wasserstein Distance. Entropy, 2023, 25, 1607.	2.2	0
5777	Manifold Learning in Electric Power System Transient Stability Analysis. Energies, 2023, 16, 7810.	3.1	0
5778	Semisupervised regression in latent structure networks on unknown manifolds. Applied Network Science, 2023, 8, .	1.5	0
5779	Fault Detection-Based Multiple Local Manifold Learning and Its Application to Blast Furnace Ironmaking Process. Electronics (Switzerland), 2023, 12, 4773.	3.1	0
5780	The D-Mercator method for the multidimensional hyperbolic embedding of real networks. Nature Communications, 2023, 14, .	12.8	3
5781	Minimax estimation of distances on a surface and minimax manifold learning in the isometric-to-convex setting. Information and Inference, 2023, 12, .	1.6	0
5782	Multi-view Graph Clustering via Efficient Global-Local Spectral Embedding Fusion. , 2023, , .		0
5783	Graph-Based Matrix Completion Applied to Weather Data. , 2023, , .		0
5784	Fairness-Aware Dimensionality Reduction. , 2023, , .		0
5785	Manifold Alignment with Label Information. , 2023, , .		0
5786	A Convergence Rate for Manifold Neural Networks. , 2023, , .		0
5788	Feature Extraction from Satellite-Derived Hydroclimate Data: Assessing Impacts on Various Neural Networks for Multi-Step Ahead Streamflow Prediction. Sustainability, 2023, 15, 15761.	3.2	2
5789	Hypergraph analysis based on a compatible tensor product structure. Linear Algebra and Its Applications, 2024, 682, 122-151.	0.9	0

#	ARTICLE	IF	CITATIONS
5790	Optimization Problems on Complex Networks: Method of Gravitational Potentials. , 2023, , .		0
5791	Nonlinear Manifold Learning viaÂGraph Curvature. Communications in Computer and Information Science, 2023, , 283-297.	0.5	0
5792	Appearance-Pose Joint Coordinates Information Collaboration Model for clothes-changing person re-identification. Expert Systems With Applications, 2024, 241, 122473.	7.6	0
5793	Relational Fisher Analysis: Dimensionality Reduction in Relational Data with Global Convergence. Algorithms, 2023, 16, 522.	2.1	0
5794	Wild Animal Species Classification from Camera Traps Using Metadata Analysis. , 2023, , .		0
5795	NÃchste-Nachbarn-Verfahren und Dimensionsreduktion. , 2023, , 155-195.		0
5796	Hessian unsupervised extreme learning machine. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
5797	NeTaGFT: A similarity networkâ€based method for trait analysis. Methods in Ecology and Evolution, 0, , .	5.2	0
5798	Deep Supervised Multi-View Learning With Graph Priors. IEEE Transactions on Image Processing, 2024, 33, 123-133.	9.8	1
5799	Graph Routes From Local and Global Entrances. , 2023, , .		0
5800	An optimization approach to supervised principal component analysis. , 0, , .		0
5801	Spectral clustering and embedding with inter-class topology-preserving. Knowledge-Based Systems, 2024, 284, 111278.	7.1	0
5802	Poisson Reweighted Laplacian Uncertainty Sampling for Graph-Based Active Learning. SIAM Journal on Mathematics of Data Science, 2023, 5, 1160-1190.	1.8	0
5803	Zoo guide to network embedding. Journal of Physics Complexity, 2023, 4, 042001.	2.2	2
5804	Reweighted robust and discriminative latent subspace projection for face recognition. Information Sciences, 2024, 657, 119947.	6.9	0
5805	Data-driven prediction of Î±IÎ²23 integrin activation pathways using nonlinear manifold learning and deep generative modeling. Biophysical Journal, 2023, , .	0.5	0
5806	Fast and Robust Sparsity-Aware Block Diagonal Representation. IEEE Transactions on Signal Processing, 2023, , 1-16.	5.3	0
5807	Weighted t-Distributed Stochastic Neighbor Embedding forÂProjection-Based Clustering. Lecture Notes in Computer Science, 2024, , 131-142.	1.3	0

#	ARTICLE	IF	CITATIONS
5808	Image Hash Layer Triggered CNN Framework for Wafer Map Failure Pattern Retrieval and Classification. ACM Transactions on Knowledge Discovery From Data, 2024, 18, 1-26.	3.5	0
5809	Subspace Structured Neural Network for Rapid Trajectory Optimization. IFAC-PapersOnLine, 2023, 56, 37-42.	0.9	0
5810	Fault detection and diagnosis for chemical processes using dynamic globalâ€‘local preserving projections. Canadian Journal of Chemical Engineering, 0, , .	1.7	0
5811	Unsupervised embedding of trajectories captures the latent structure of scientific migration. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	1
5812	Local Neighbor Propagation Embedding. Lecture Notes in Computer Science, 2024, , 239-249.	1.3	0
5813	Topological Deformation Learning: Nonlinear Dimension Reduction by Autonomous Evolving of Data Manifold. , 2023, , .		0
5814	MalwareCLIP: Towards a Scalable and Explainable Image-Based Malware Classification. , 2023, , .		0
5815	DCCNMF: Deep Complementary and Consensus Non-negative Matrix Factorization for multi-view clustering. Knowledge-Based Systems, 2024, 285, 111330.	7.1	1
5816	Self-adaptive subspace representation from a geometric intuition. Pattern Recognition, 2024, 149, 110228.	8.1	0
5817	Shared Latent Embedding Learning for Multi-View Subspace Clustering. IEICE Transactions on Information and Systems, 2024, E107.D, 148-152.	0.7	0
5818	A fast, scalable and versatile tool for analysis of single-cell omics data. Nature Methods, 2024, 21, 217-227.	19.0	2
5819	Detecting Paleoclimate Transitions With Laplacian Eigenmaps of Recurrence Matrices (LERM). Paleoceanography and Paleoclimatology, 2024, 39, .	2.9	0
5820	Dual Sparse Structured Subspaces and Graph Regularisation for Particle Swarm Optimisation-Based Multi-Label Feature Selection. IEEE Computational Intelligence Magazine, 2024, 19, 36-50.	3.2	0
5821	Wind speed prediction utilizing dynamic spectral regression broad learning system coupled with multimodal information. Engineering Applications of Artificial Intelligence, 2024, 131, 107856.	8.1	0
5823	Transductive classification via patch alignment. AI Communications, 2024, 37, 37-51.	1.2	0
5824	Deep Geometrized Cartoon Line Inbetweening. , 2023, , .		0
5825	Geometric Matrix Completion via Graph-Based Truncated Norm Regularization for Learning Resource Recommendation. Mathematics, 2024, 12, 320.	2.2	0
5826	Dimensionality reduction. , 2024, , 105-137.		0

#	ARTICLE	IF	CITATIONS
5829	Interpreting High Order Epistasis Using Sparse Transformers. , 2023, , .		0
5830	Force-directed graph embedding with hops distance. , 2023, , .		0
5831	Manifold fitting with CycleGAN. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.1	0
5835	A temporal ontology guided clustering methodology with a case study on detection and tracking of artificial intelligence topics. Expert Systems With Applications, 2024, 247, 123279.	7.6	0
5836	Learning Stable Task-Level Manifold for Few-Shot Learning. , 2023, , .		0
5837	Data-driven modelling of brain activity using neural networks, diffusion maps, and the Koopman operator. Chaos, 2024, 34, .	2.5	2
5838	Differentially private Riemannian optimization. Machine Learning, 2024, 113, 1133-1161.	5.4	0
5839	Dopamine D1-Receptor Organization Contributes to Functional Brain Architecture. Journal of Neuroscience, 2024, 44, e0621232024.	3.6	0
5840	Recent advances and prospects in hypersonic inlet design and intelligent optimization. Aerospace Science and Technology, 2024, 146, 108953.	4.8	0
5841	Optimal Power Flow in a highly renewable power system based on attention neural networks. Applied Energy, 2024, 359, 122779.	10.1	0
5842	A low-cost machine learning framework for predicting drug drug interactions based on fusion of multiple features and a parameter self-tuning strategy. Physical Chemistry Chemical Physics, 2024, 26, 6300-6315.	2.8	0
5843	Distributional Cloning for Stabilized Imitation Learning via ADMM. , 2023, , .		0
5844	Geometric scattering on measure spaces. Applied and Computational Harmonic Analysis, 2024, 70, 101635.	2.2	0
5846	Numerically stable locality-preserving partial least squares discriminant analysis for efficient dimensionality reduction and classification of high-dimensional data. Heliyon, 2024, 10, e26157.	3.2	0
5847	A Manifold Learning Based User Clustering and Beamforming Design in MIMO-SCMA Systems. , 2023, , .		0
5848	TSCAPE: time series clustering with curve analysis and projection on an Euclidean space. Connection Science, 2024, 36, .	3.0	0
5849	On-manifold projected gradient descent. Frontiers in Computer Science, 0, 6, .	2.8	0
5850	Graph manifold learning with non-gradient decision layer. Neurocomputing, 2024, 579, 127390.	5.9	0

#	ARTICLE	IF	CITATIONS
5851	A graph discretized approximation of semigroups for diffusion with drift and killing on a complete Riemannian manifold. Mathematische Annalen, 0, , .	1.4	0
5852	Frequency-specific segregation and integration of human cerebral cortex: An intrinsic functional atlas. IScience, 2024, 27, 109206.	4.1	0
5853	A fault diagnosis method based on label-wise density-domain space learning. Measurement Science and Technology, 2024, 35, 055022.	2.6	0
5854	The G-invariant graph Laplacian Part I: Convergence rate and eigendecomposition. Applied and Computational Harmonic Analysis, 2024, 71, 101637.	2.2	0
5855	Applications of No-Collision Transportation Maps in Manifold Learning. SIAM Journal on Mathematics of Data Science, 2024, 6, 97-126.	1.8	0
5856	High-density cluster core-based $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si357.svg" display="inline" id="d1e5008"} \rangle \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -means clustering with an unknown number of clusters. Applied Soft Computing Journal, 2024, 155, 111419.	7.2	0
5857	Information theory divergences in principal component analysis. Pattern Analysis and Applications, 2024, 27, .	4.6	0
5858	Interpretable Cross-Platform Coordination Detection on Social Networks. Studies in Computational Intelligence, 2024, , 143-155.	0.9	0
5859	GrassCar $\tilde{\mathcal{C}}$: Visualizing the Grassmannian on the Poincar $\tilde{\mathcal{C}}$ Disk. SN Computer Science, 2024, 5, .	3.6	0
5860	Multi-channel high-order network representation learning research. Frontiers in Neurorobotics, 0, 18, .	2.8	0
5861	Attention-Based Learning for Predicting Drug-Drug Interactions in Knowledge Graph Embedding Based on Multisource Fusion Information. International Journal of Intelligent Systems, 2024, 2024, 1-11.	5.7	0
5863	Flow regime classification using various dimensionality reduction methods and AutoML. Engineering Analysis With Boundary Elements, 2024, 163, 161-174.	3.7	0
5864	Unsupervised feature extraction based on uncorrelated approach. Information Sciences, 2024, 666, 120447.	6.9	0
5866	Rigid transformations for stabilized lower dimensional space to support subsurface uncertainty quantification and interpretation. Computational Geosciences, 0, , .	2.4	0
5867	Predicting multiple observations in complex systems through low-dimensional embeddings. Nature Communications, 2024, 15, .	12.8	0
5869	Clustering, coding, and the concept of similarity. Annals of Mathematics and Artificial Intelligence, 0, , .	1.3	0
5870	Manifold learning through locally linear reconstruction based on Euclidean distance. Multimedia Tools and Applications, 0, , .	3.9	0
5871	Laplacian adaptive weighted discriminant analysis for semi-supervised multi-class classification. Neurocomputing, 2024, 584, 127577.	5.9	0

#	ARTICLE	IF	CITATIONS
5872	A Study on Dimensionality Reduction and Parameters for Hyperspectral Imagery Based on Manifold Learning. Sensors, 2024, 24, 2089.	3.8	0
5873	DDK-Linker: a network-based strategy identifies disease signals by linking high-throughput omics datasets to disease knowledge. Briefings in Bioinformatics, 2024, 25, .	6.5	0