

CITATION REPORT

List of articles citing

Principal Manifolds and Nonlinear Dimensionality Reduction via Tangent Space Alignment

DOI: 10.1137/s1064827502419154

SIAM Journal of Scientific Computing, 2004, 26, 313-338.

Source: <https://exaly.com/paper-pdf/37567682/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1050	Sensor positioning in wireless ad-hoc sensor networks using multidimensional scaling.		99
1049	A better scaled local tangent space alignment algorithm.		
1048	Spectral analysis of alignment in manifold learning.		
1047	Efficient block noise removal based on nonlinear manifolds. 2005,		
1046	Dimension reduction of microarray data based on local tangent space alignment. 2005,		9
1045	Learning Geodesic Metric for Out-of-Sample Extension of Isometric Embedding. 2006,		
1044	Formulating LLE using alignment technique. <i>Pattern Recognition</i> , 2006 , 39, 2233-2235	7.7	21
1043	Unsupervised Learning of Image Manifolds by Semidefinite Programming. 2006 , 70, 77-90		369
1042	Modeling Correspondences for Multi-Camera Tracking Using Nonlinear Manifold Learning and Target Dynamics.		18
1041	Tensor Voting: A Perceptual Organization Approach to Computer Vision and Machine Learning. 2006 , 2, 1-136		40
1040	Manifold learning for robot navigation. 2006 , 16, 383-92		8
1039	Learning High Dimensional Correspondences Based on Maximum Variance Unfolding. 2007,		2
1038	Linearization of Isomap. 2007,		1
1037	On the reliable identification of plant sequences containing a polyadenylation site. 2007 , 14, 1229-45		3
1036	Robust non-linear dimensionality reduction using successive 1-dimensional Laplacian Eigenmaps. 2007,		19
1035	High throughput analysis of breast cancer specimens on the grid. 2007 , 10, 617-25		20
1034	Unsupervised Nonlinear Dimensionality Reduction Based on Tensor Tangent Space Alignment. 2007,		1

1033	Maximum variance projections for face recognition. 2007 , 46, 067206	8
1032	Ranking with semi-supervised distance metric learning and its application to housing potential estimation. 2007 ,	
1031	Surface parameterization via aligning optimal local flattening. 2007 ,	6
1030	Mobile Particle Swarm Optimization on Manifolds. 2007 ,	
1029	Person-Independent Head Pose Estimation Using Biased Manifold Embedding. 2007 , 2008,	19
1028	Probability-Based Locally Linear Embedding for Classification. 2007 ,	13
1027	Orthogonal Neighborhood Preserving Embedding for Face Recognition. 2007 ,	19
1026	Distance Preserving Dimension Reduction Using the QR Factorization or the Cholesky Factorization. 2007 ,	1
1025	Representations of Streetscape Perceptions Through Manifold Learning in the Space of Hough Arrays. 2007 ,	1
1024	Local and Global Structures Preserving Projection. 2007 ,	1
1023	Incremental Line Tangent Space Alignment Algorithm. 2007 ,	6
1022	Two manifold learning techniques for sensor localization. 2007 ,	1
1021	Manifold clustering via energy minimization. 2007 ,	6
1020	Dimensionality reduction techniques for data exploration. 2007 ,	12
1019	Intrinsic Dimensionality Estimation with Neighborhood Convex Hull. 2007 ,	
1018	Learning Out-Of Sample Mapping in Non-Vectorial Data Reduction using Constrained Twin Kernel Embedding. 2007 ,	
1017	Laplacian PCA and Its Applications. 2007 ,	32
1016	Continuum Isomap for manifold learnings. 2007 , 52, 184-200	13

1015	Hallucinating faces: LPH super-resolution and neighbor reconstruction for residue compensation. <i>Pattern Recognition</i> , 2007 , 40, 3178-3194	7.7	101
1014	Linear local tangent space alignment and application to face recognition. <i>Neurocomputing</i> , 2007 , 70, 1547-1553	5.4	168
1013	Analysis of an alignment algorithm for nonlinear dimensionality reduction. 2007 , 47, 873-885		7
1012	Feature extraction using constrained maximum variance mapping. <i>Pattern Recognition</i> , 2008 , 41, 3287-3294	7.7	94
1011	Supervised kernel neighborhood preserving projections for radar target recognition. 2008 , 88, 2335-2339		12
1010	Noisy manifold learning using neighborhood smoothing embedding. 2008 , 29, 1613-1620		18
1009	Semi-supervised sub-manifold discriminant analysis. 2008 , 29, 1806-1813		25
1008	Improve local tangent space alignment using various dimensional local coordinates. <i>Neurocomputing</i> , 2008 , 71, 3575-3581	5.4	16
1007	LOCAL COORDINATES ALIGNMENT (LCA): A NOVEL MANIFOLD LEARNING APPROACH. 2008 , 22, 667-690		20
1006	Riemannian manifold learning. 2008 , 30, 796-809		240
1005	A Distributed SDP Approach for Large-Scale Noisy Anchor-Free Graph Realization with Applications to Molecular Conformation. <i>SIAM Journal of Scientific Computing</i> , 2008 , 30, 1251-1277	2.6	54
1004	Electricity Price Curve Modeling and Forecasting by Manifold Learning. 2008 , 23, 877-888		33
1003	Maximum Margin Embedding. 2008 ,		2
1002	Transductive Component Analysis. 2008 ,		41
1001	Density based clustering on manifolds with applications to creative design. 2008 ,		
1000	Evaluation of two-dimensional gel electrophoresis maps by local tangent space alignment: An application to neuroproteomics. 2008 ,		
999	Spectral methods for semi-supervised manifold learning. 2008 ,		7
998	Manifold Alignment via Local Tangent Space Alignment. 2008 ,		6

997	Robust and Stable Locally Linear Embedding. 2008,	1
996	Performance Comparison of Nonlinear Dimensionality Reduction Methods for Image Data Using Different Distance Measures. 2008,	4
995	Kernel based incremental learning Isomap algorithm. 2008,	1
994	Cross-media manifold learning for image retrieval & annotation. 2008,	9
993	. 2008, 20, 189-201	137
992	Relaxed maximum-variance unfolding. 2008, 47, 077202	3
991	A sensorimotor approach to sound localization. 2008, 20, 603-35	43
990	Novel semisupervised high-dimensional correspondences learning method. 2008, 47, 047201	2
989	Two-dimensional locality sensitive discriminant analysis. 2008,	
988	Local Regularized Least-Square Dimensionality Reduction. 2008,	
987	Neighborhood smoothing embedding for noisy manifold learning. 2008,	1
986	Generalized Locally Linear Embedding Based on Local Reconstruction Similarity. 2008,	6
985	A kernel view of manifold analysis for face images. 2008,	
984	Boundary Constrained Manifold Unfolding. 2008,	
983	Learning on varifolds. 2008,	1
982	Manifold learning with local geometry preserving and global affine transformation. 2008,	
981	Adaptive neighborhood selection for manifold learning. 2008,	1
980	A Metric Multidimensional Scaling-Based Nonlinear Manifold Learning Approach for Unsupervised Data Reduction. 2008, 2008,	3

979	Research of Face Recognition Based on Locally Linear Embedding. 2009,	
978	Nonlinear dimensionality reduction by locally linear inlaying. 2009, 20, 300-15	28
977	Connecting spectral and spring methods for manifold learning. 2009,	1
976	Non-negative Laplacian Embedding. 2009,	17
975	Dimensionality reduction and principal surfaces via Kernel Map Manifolds. 2009,	10
974	Orthogonal Neighborhood Preserving Discriminant Projections for Face Recognition. 2009,	1
973	Dimensionality reduction by self organizing maps that preserve distances in output space. 2009,	5
972	From Laplacian Eigenmaps to Kernel Locality Preserving Projections: Equivalence or Improvement?. 2009,	2
971	Manifold Alignment by Scalable Constraints of the Point Clouds. 2009,	
970	Passive millimeter-wave metal target recognition based on manifold learning. 2009,	
969	Discriminant feature extraction based on center distance. 2009,	
968	Orthogonal Discriminant Neighborhood Preserving Projections for Face Recognition. 2009,	1
967	An Adaptive Manifold Learning Algorithm Based on ISOMAP. 2009,	0
966	SUBSPACES VERSUS SUBMANIFOLDS: A COMPARATIVE STUDY IN SMALL SAMPLE SIZE PROBLEM. 2009, 23, 463-490	10
965	A Model of Selecting the Parameters Based on the Variance of Distance Ratios for Manifold Learning Algorithms. 2009,	3
964	Manifold Alignment via Local Block Coordinate. 2009,	1
963	Active Neighborhood Selection for Locally Linear Embedding. 2009,	0
962	Feature Extraction Methods for Fault Classification of Rolling Element Bearing Based on Nonlinear Dimensionality Reduction and SVMs. 2009,	1

961	Quantum filter reduction for measurement-feedback control via unsupervised manifold learning. 2009 , 11, 105043		15
960	Fault Diagnosis of Rolling Bearings Based on LLE_KFDA. 2009 , 626-627, 529-534		2
959	Nonlinear dimensionality reduction with relative distance comparison. <i>Neurocomputing</i> , 2009 , 72, 1719-1731		8
958	Orthogonal discriminant linear local tangent space alignment for face recognition. <i>Neurocomputing</i> , 2009 , 72, 1319-1323	5-4	25
957	Local linear transformation embedding. <i>Neurocomputing</i> , 2009 , 72, 2368-2378	5-4	29
956	Nonlinear data projection on non-Euclidean manifolds with controlled trade-off between trustworthiness and continuity. <i>Neurocomputing</i> , 2009 , 72, 1444-1454	5-4	5
955	Combining local and global information for nonlinear dimensionality reduction. <i>Neurocomputing</i> , 2009 , 72, 2235-2241	5-4	14
954	Embedding new data points for manifold learning via coordinate propagation. 2009 , 19, 159-184		37
953	Random Projections of Smooth Manifolds. 2009 , 9, 51-77		218
952	Finding representative landmarks of data on manifolds. <i>Pattern Recognition</i> , 2009 , 42, 2335-2352	7-7	6
951	Incremental Laplacian eigenmaps by preserving adjacent information between data points. 2009 , 30, 1457-1463		41
950	Kernel based nonlinear dimensionality reduction for microarray gene expression data analysis. 2009 , 36, 7644-7650		17
949	Local procrustes for manifold embedding: a measure of embedding quality and embedding algorithms. 2009 , 77, 1-25		31
948	Machinery fault diagnosis using supervised manifold learning. 2009 , 23, 2301-2311		77
947	Stable local dimensionality reduction approaches. <i>Pattern Recognition</i> , 2009 , 42, 2054-2066	7-7	62
946	Multiple manifolds analysis and its application to fault diagnosis. 2009 , 23, 2500-2509		41
945	Matrix perturbation analysis of local tangent space alignment. 2009 , 430, 732-746		4
944	Supervised locally linear embedding with probability-based distance for classification. 2009 , 57, 919-926		33

943	Classification of Large Biomedical Data Using ANNs Based on BFGS Method. 2009,	4
942	. 2009, 21, 1299-1313	298
941	. 2009,	1
940	Differential Evolutionary CLARANS on Manifold. 2009,	
939	Local Multidimensional Scaling for Nonlinear Dimension Reduction, Graph Drawing, and Proximity Analysis. 2009, 104, 209-219	104
938	Global Sparse Representation Projections for Feature Extraction and Classification. 2009,	8
937	Distance Dimension Reduction on QR Factorization for Efficient Clustering Semantic XML Document Using the QR Fuzzy C-Mean (QR-FCM). 2009, 272-287	
936	Aircraft Pose Recognition Using Locally Linear Embedding. 2009,	0
935	Supervised Laplacian Eigenmaps for Machinery Fault Classification. 2009,	6
934	Automated clustering of histology slide texture using co-occurrence based grayscale image features and manifold learning. 2009,	
933	A new approach for intrusion detection based on Local Linear Embedding algorithm. 2009,	
932	Local Discriminant Space Alignment. 2009,	
931	Learning distance metric for regression by semidefinite programming with application to human age estimation. 2009,	37
930	FLoSS: Facility location for subspace segmentation. 2009,	48
929	Spectral Properties of the Alignment Matrices in Manifold Learning. 2009, 51, 545-566	23
928	Manifold-based learning and synthesis. 2009, 39, 592-606	8
927	TENSOR LOCALITY SENSITIVE DISCRIMINANT ANALYSIS AND ITS COMPLEXITY. 2009, 07, 865-880	8
926	Sub-manifold distance based object recognition in clutter. 2010,	

925	Clustering Data on Manifold with Local and Global Consistency. 2010 ,		
924	Clustering analysis strategy of online Ambulatory Electrocardiogram waveforms. 2010 ,		
923	An angle optimized global embedding algorithm. 2010 ,		
922	Distinguishing variance embedding. 2010 , 28, 872-880		3
921	Feature extraction by learning Lorentzian metric tensor and its extensions. <i>Pattern Recognition</i> , 2010 , 43, 3298-3306	7-7	17
920	Randomized anisotropic transform for nonlinear dimensionality reduction. 2010 , 1, 23-50		17
919	Face recognition via adaptive image combination. 2010 , 15, 600-603		
918	Dependence of locally linear embedding on the regularization parameter. 2010 , 18, 354-376		2
917	LLE-based classification algorithm for MMW radar target recognition. 2010 , 27, 139-144		
916	Local Manifold Learning-Based \mathcal{K} -Nearest-Neighbor for Hyperspectral Image Classification. 2010 ,		131
915	Adaptive local dissimilarity measures for discriminative dimension reduction of labeled data. <i>Neurocomputing</i> , 2010 , 73, 1074-1092	5-4	23
914	Classification by semi-supervised discriminative regularization. <i>Neurocomputing</i> , 2010 , 73, 1641-1651	5-4	34
913	Semi-supervised learning with varifold Laplacians. <i>Neurocomputing</i> , 2010 , 73, 1580-1586	5-4	1
912	Nonlinear dimensionality reduction with hybrid distance for trajectory representation of dynamic texture. 2010 , 90, 2375-2395		6
911	Marginal discriminant projections: An adaptable margin discriminant approach to feature reduction and extraction. 2010 , 31, 1965-1974		7
910	Nonlinear embedding preserving multiple local-linearities. <i>Pattern Recognition</i> , 2010 , 43, 1257-1268	7-7	12
909	An automatic patient-specific seizure onset detection method in intracranial EEG based on incremental nonlinear dimensionality reduction. 2010 , 40, 889-99		21
908	Linear discriminant projection embedding based on patches alignment. 2010 , 28, 1624-1636		10

907	Fault Diagnosis Method Based on Supervised Incremental Local Tangent Space Alignment and SVM. 2010 , 34-35, 1233-1237	2
906	An Improved Noise Reduction Algorithm Based on Manifold Learning and Its Application to Signal Noise Reduction. 2010 , 26-28, 653-656	1
905	Extended dot product representations of graphs with application to radar image segmentation. 2010 , 49, 117201	3
904	Nonlinear dimension reduction and clustering by Minimum Curvilinearity unfold neuropathic pain and tissue embryological classes. 2010 , 26, i531-9	56
903	. 2010 ,	23
902	Tangent space discriminant analysis for feature extraction. 2010 ,	1
901	Projection Vector Machine: One-stage learning algorithm from high-dimension small-sample data. 2010 ,	2
900	Dimensionality reduction by rank preservation. 2010 ,	3
899	. 2010 , 12, 803-813	6
898	ISO-Container Projection for feature extraction. 2010 ,	0
897	New method of fault feature extraction based on supervised LLE. 2010 ,	
896	Learning the dynamical system behind sensory data. 2010 , 22, 1615-45	2
895	GABOR-BASED TENSOR LOCAL DISCRIMINANT EMBEDDING AND ITS APPLICATION ON PALMPRINT RECOGNITION. 2010 , 08, 327-342	14
894	MAXIMUM VARIANCE DIFFERENCE BASED EMBEDDING APPROACH FOR FACIAL FEATURE EXTRACTION. 2010 , 24, 1047-1060	17
893	Learning Manifold from Incomplete Image Set. 2010 ,	
892	Orthogonal linear local spline discriminant embedding for face recognition. 2010 ,	1
891	Generalised supervised local tangent space alignment for hyperspectral image classification. 2010 , 46, 497	24
890	Manifold reconstruction using tangential Delaunay complexes. 2010 ,	9

889	Automatic detection of end-diastole and end-systole from echocardiography images using manifold learning. 2010 , 31, 1091-103		30
888	K-means clustering with manifold. 2010 ,		5
887	Dimensionality Reduction by Using Sparse Reconstruction Embedding. 2010 , 167-178		6
886	Machine learning classifiers for glaucoma diagnosis based on classification of retinal nerve fibre layer thickness parameters measured by Stratus OCT. 2010 , 88, 44-52		69
885	An SDP-Based Divide-and-Conquer Algorithm for Large-Scale Noisy Anchor-Free Graph Realization. <i>SIAM Journal of Scientific Computing</i> , 2010 , 31, 4351-4372	2.6	21
884	Distance approximating dimension reduction of Riemannian manifolds. 2010 , 40, 208-17		25
883	Discriminative orthogonal neighborhood-preserving projections for classification. 2010 , 40, 253-63		66
882	Learning an intrinsic-variable preserving manifold for dynamic visual tracking. 2010 , 40, 868-80		39
881	Multiview spectral embedding. 2010 , 40, 1438-46		324
880	Anomaly detection for hyperspectral images using local tangent space alignment. 2010 ,		11
879	Active reranking for web image search. 2010 , 19, 805-20		78
878	Efficient Parallel Algorithm for Nonlinear Dimensionality Reduction on GPU. 2010 ,		3
877	Evolutionary cross-domain discriminative Hessian Eigenmaps. 2010 , 19, 1075-86		30
876	Manifold Learning for Visualizing and Analyzing High-Dimensional Data. 2010 ,		17
875	Cluster Preserving Embedding. 2010 ,		
874	A local tangent space based approach for single-trial representation of event-related potentials. 2010 ,		
873	Data Reduction for Network Forensics Using Manifold Learning. 2010 ,		1
872	Dimensionality Reduction of Hyperspectral Imagery Data for Feature Classification. 2010 , 1005-1047		7

871	Wireless tomography, Part II: A system engineering approach. 2010 ,	8
870	Parallel Projections for Manifold Learning. 2010 ,	0
869	Recognizing Cartoon Image Gestures for Retrieval and Interactive Cartoon Clip Synthesis. 2010 , 20, 1745-1756	13
868	Image Matting via Local Tangent Space Alignment. 2011 ,	4
867	Noise reduction of echocardiography images using Isomap algorithm. 2011 ,	1
866	Complex object correspondence construction in two-dimensional animation. 2011 , 20, 3257-69	92
865	Spectral clustering on multiple manifolds. 2011 , 22, 1149-61	84
864	Localisation algorithm for large-scale and low-density wireless sensor networks. 2011 , 47, 881	9
863	Similar Handwritten Chinese Character Recognition Using Discriminative Locality Alignment Manifold Learning. 2011 ,	11
862	Learning One-to-Many Mapping With Locally Linear Maps Based on Manifold Structure. 2011 , 18, 521-524	2
861	A Convergent Solution to Matrix Bidirectional Projection Based Feature Extraction with Application to Face Recognition. 2011 , 4, 863-873	2
860	Non-negative patch alignment framework. 2011 , 22, 1218-30	146
859	A graph clustering technique based on discrete Morse theory. 2011 ,	
858	Dimension Reduction for Aerodynamic Design Optimization. 2011 , 49, 1256-1266	29
857	Unsupervised large margin discriminative projection. 2011 , 22, 1446-56	13
856	Exploring Nonlinear Manifold Learning for Classification of Hyperspectral Data. 2011 , 207-234	34
855	Face Subspace Learning. 2011 , 51-77	1
854	Quantitative analysis of nonlinear embedding. 2011 , 22, 1987-98	7

853	Semisupervised dimensionality reduction and classification through virtual label regression. 2011 , 41, 675-85		78
852	Regression reformulations of LLE and LTSA with locally linear transformation. 2011 , 41, 1250-62		33
851	Effects of Dimensional Reduction Techniques on Structural Damage Assessment Under Uncertainty. 2011 , 133,		3
850	Modeling and Forecasting by Manifold Learning. 2011 ,		
849	Tail Deviation-Based Predictive Control of the Tandem Rolling Strip Based on Manifold Learning. 2011 , 2-3, 63-68		
848	Signal Denoise Method Based on the Higher Order Cumulant and Local Tangent Space Mean Reconstruction. 2011 , 2-3, 188-192		0
847	Constraints on the Neighborhood Size in LLE. 2011 , E94-D, 1636-1640		
846	Enhanced locality preserving projections using robust path based similarity. <i>Neurocomputing</i> , 2011 , 74, 598-605	5-4	15
845	Local margin based semi-supervised discriminant embedding for visual recognition. <i>Neurocomputing</i> , 2011 , 74, 812-819	5-4	12
844	Modified locally linear discriminant embedding for plant leaf recognition. <i>Neurocomputing</i> , 2011 , 74, 2284-2290	5-4	36
843	Stochastic neighbor projection on manifold for feature extraction. <i>Neurocomputing</i> , 2011 , 74, 2780-2789	5-4	10
842	Ear recognition based on uncorrelated local Fisher discriminant analysis. <i>Neurocomputing</i> , 2011 , 74, 3103-3113	5-4	21
841	Feature extraction based on fuzzy local discriminant embedding with applications to face recognition. 2011 , 5, 301		15
840	Non-Linear Spectral Unmixing by Geodesic Simplex Volume Maximization. 2011 , 5, 534-542		70
839	Active Learning via Multi-View and Local Proximity Co-Regularization for Hyperspectral Image Classification. 2011 , 5, 618-628		76
838	Time-Frequency Analysis of Hot Rolling Using Manifold Learning. 2011 , 150-155		
837	Tracking feature extraction based on manifold learning framework. 2011 , 23, 23-38		7
836	Distance-preserving dimensionality reduction. 2011 , 1, 369-380		4

835	Manifold elastic net: a unified framework for sparse dimension reduction. 2011 , 22, 340-371		144
834	Front end analysis of speech recognition: a review. 2011 , 14, 99-145		51
833	Locally Minimizing Embedding and Globally Maximizing Variance: Unsupervised Linear Difference Projection for Dimensionality Reduction. <i>Neural Processing Letters</i> , 2011 , 33, 267-282	2.4	6
832	Locally linear embedding: a survey. 2011 , 36, 29-48		52
831	Incremental manifold learning by spectral embedding methods. 2011 , 32, 1447-1455		19
830	Incremental Alignment Manifold Learning. 2011 , 26, 153-165		10
829	Tangent space learning and generalization. 2011 , 6, 27-42		7
828	Advances in adaptive nonlinear manifolds and dimensionality reduction. 2011 , 6, 72-85		8
827	Trace optimization and eigenproblems in dimension reduction methods. 2011 , 18, 565-602		104
826	Thin shell analysis from scattered points with maximum-entropy approximants. 2011 , 85, 723-751		52
825	Nonlinear dimensionality reduction using a temporal coherence principle. <i>Information Sciences</i> , 2011 , 181, 3284-3307	7.7	20
824	Dimensionality reduction techniques for blog visualization. 2011 , 38, 2766-2773		25
823	Robust local tangent space alignment via iterative weighted PCA. <i>Neurocomputing</i> , 2011 , 74, 1985-1993	5.4	26
822	A detailed investigation into low-level feature detection in spectrogram images. <i>Pattern Recognition</i> , 2011 , 44, 2076-2092	7.7	10
821	Locally affine patch mapping and global refinement for image super-resolution. <i>Pattern Recognition</i> , 2011 , 44, 2210-2219	7.7	9
820	The dynamical neighborhood selection based on the sampling density and manifold curvature for isometric data embedding. 2011 , 32, 202-209		8
819	Orthogonal local spline discriminant projection with application to face recognition. 2011 , 32, 615-625		2
818	Robust Positive semidefinite L-Isomap Ensemble. 2011 , 32, 640-649		14

817	An improved local tangent space alignment method for manifold learning. 2011 , 32, 181-189	33
816	Dimensionality reduction on hyperspectral images: A comparative review based on artificial datas. 2011 ,	34
815	Time-frequency manifold for gear fault signature analysis. 2011 ,	5
814	Local Fisher Discriminant Analysis with Maximum Margin Criterion for Image Recognition. 2011 ,	1
813	Minimum entropy linear embedding based on Gaussian mixture model. 2011 ,	
812	Manifold alignment for multitemporal hyperspectral image classification. 2011 ,	13
811	Temporal nonlinear dimensionality reduction. 2011 ,	8
810	Tangent space guided intelligent neighbor finding. 2011 ,	4
809	. 2011 ,	3
808	Universal manifold embedding for geometric deformations estimation. 2011 ,	1
807	Natural Nearest Neighbor for Isomap Algorithm without Free-Parameter. 2011 , 219-220, 994-998	7
806	Nonlinear System Fault Detection Based on TLLE. 2011 , 317-319, 1347-1352	
805	Enhanced discriminative locality alignment and its kernel extension. 2011 , 50, 087002	1
804	Fault Diagnosis Method Based on Supervised Manifold Learning and SVM. 2011 , 216, 223-227	4
803	Bilateral tangent projection for manifold smoothing. 2011 ,	
802	A neighborhood parameter optimization method of LLE based on topology preservation. 2011 ,	
801	Face recognition with 3D real-time face imaging system based on LOGMAP. 2011 ,	1
800	Laplacian Regularized Gaussian Mixture Model for Data Clustering. 2011 , 23, 1406-1418	140

799	LOCALLY LINEAR EMBEDDING: A REVIEW. 2011 , 25, 985-1008	14
798	UNCORRELATED LOCAL FISHER DISCRIMINANT ANALYSIS FOR FACE RECOGNITION. 2011 , 25, 863-887	3
797	Theoretical Analysis of LLE Based on Its Weighting Step. 2012 , 21, 380-393	2
796	Sparse transfer learning for interactive video search reranking. 2012 , 8, 1-19	78
795	Robust video copy detection approach based on local tangent space alignment. 2012 , 51, 047001	1
794	Two-Dimensional Extensions of Neighborhood Preserving Embedding. 2012 , 198-199, 420-425	
793	A spectral clustering technique for studying post-transplant kidney functions. 2012 ,	
792	High Resolution Range Profile Recognition Using Robust Kernel Neighborhood Preserving Projection. 2012 ,	
791	Overcoming noise, avoiding curvature: Optimal scale selection for tangent plane recovery. 2012 ,	1
790	Geodesic Based Semi-supervised Multi-manifold Feature Extraction. 2012 ,	7
789	Proximity-based frameworks for generating embeddings from multi-output data. 2012 , 34, 2216-32	24
788	Detection of strong convective weather based on manifold learning. 2012 ,	
787	Feature extraction method of mechanical impulse based on nonlinear manifold learning. 2012 ,	
786	Local Tangent Distances for Classification Problems. 2012 ,	1
785	Comparative analysis of nonlinear dimensionality reduction techniques for breast MRI segmentation. 2012 , 39, 2275-89	20
784	Application of dimensionality reduction to visualisation of high-throughput data and building of a classification model in formulated consumer product design. 2012 , 90, 2179-2185	8
783	Nonlinear Static Data Modeling. 2012 , 179-197	
782	Uncorrelated Discriminant Isometric Projection for Face Recognition. 2012 , 138-145	1

781	Dynamic transition embedding for image feature extraction and recognition. <i>Neural Computing and Applications</i> , 2012 , 21, 1905-1915	4.8	3
780	Maximum inter-class and marginal discriminant embedding (MIMDE) for feature extraction and classification. <i>Neural Computing and Applications</i> , 2012 , 21, 1737-1743	4.8	7
779	A new embedding quality assessment method for manifold learning. <i>Neurocomputing</i> , 2012 , 97, 251-266	5.4	16
778	Local linear approximation of principal curve projections. 2012 ,		
777	Supervised latent linear Gaussian process latent variable model for dimensionality reduction. 2012 , 42, 1620-32		23
776	Time-scale manifold and its ridge analysis for machine fault diagnosis. 2012 ,		1
775	Isometric Multi-manifold Learning for Feature Extraction. 2012 ,		14
774	. 2012 ,		1
773	2D sound-source localization on the binaural manifold. 2012 ,		14
772	Color Biological Features-Based Solder Paste Defects Detection and Classification on Printed Circuit Boards. 2012 , 2, 1536-1544		26
771	Natural Image Matting with Total Variation Regularisation. 2012 ,		1
770	A Fault Feature Extraction Method for Machine Health Diagnosis Using Manifold Learning. 2012 ,		
769	Gene classification using parameter-free semi-supervised manifold learning. 2012 , 9, 818-27		13
768	Locally linear embedding method for dimensionality reduction of tissue sections of endometrial carcinoma by near infrared spectroscopy. 2012 , 724, 12-9		20
767	Introduction to manifold learning. 2012 , 4, 439-446		21
766	Direct discriminant locality preserving projection with Hammerstein polynomial expansion. 2012 , 21, 4858-67		6
765	Manifold-manifold distance and its application to face recognition with image sets. 2012 , 21, 4466-79		82
764	Spline regression hashing for fast image search. 2012 , 21, 4480-91		18

763	Face Recognition based on Fuzzy Linear Discriminant Analysis. 2012 , 2, 873-879	4
762	Stability of Dimensionality Reduction Methods Applied on Artificial Hyperspectral Images. 2012 , 465-474	5
761	Sparse Representations for Radar with MATLAB [®] Examples. 2012 , 4, 1-85	7
760	On combining multiple features for cartoon character retrieval and clip synthesis. 2012 , 42, 1413-27	78
759	Conjunctive patches subspace learning with side information for collaborative image retrieval. 2012 , 21, 3707-20	38
758	. 2012 , 42, 879-888	1
757	Sequential manifold learning for efficient churn prediction. 2012 , 39, 13328-13337	5
756	Real-time target detection in hyperspectral images based on spatial-spectral information extraction. 2012 , 2012,	16
755	Vector Diffusion Maps and the Connection Laplacian. 2012 , 65, 1067	120
754	Fisher Difference Discriminant Analysis: Determining the Effective Discriminant Subspace Dimensions For Face Recognition. <i>Neural Processing Letters</i> , 2012 , 35, 203-220	2.4 6
753	Feature extraction using orthogonal discriminant local tangent space alignment. 2012 , 15, 249-259	16
752	Multi-scale geometric methods for data sets II: Geometric Multi-Resolution Analysis. 2012 , 32, 435-462	55
751	A novel maximum margin neighborhood preserving embedding for face recognition. 2012 , 28, 212-217	8
750	Enhanced semi-supervised local Fisher discriminant analysis for face recognition. 2012 , 28, 244-253	29
749	Gene expression data classification based on improved semi-supervised local Fisher discriminant analysis. 2012 , 39, 2314-2320	10
748	A visualization metric for dimensionality reduction. 2012 , 39, 1747-1752	6
747	Face recognition using discriminant sparsity neighborhood preserving embedding. 2012 , 31, 119-127	48
746	Eigenvalue bounds for an alignment matrix in manifold learning. 2012 , 436, 2944-2962	1

745	Extended local tangent space alignment for classification. <i>Neurocomputing</i> , 2012 , 77, 261-266	5-4	13
744	Complete local Fisher discriminant analysis with Laplacian score ranking for face recognition. <i>Neurocomputing</i> , 2012 , 89, 64-77	5-4	14
743	Local CCA alignment and its applications. <i>Neurocomputing</i> , 2012 , 89, 78-88	5-4	3
742	Discover latent discriminant information for dimensionality reduction: Non-negative Sparseness Preserving Embedding. <i>Pattern Recognition</i> , 2012 , 45, 1511-1523	7-7	14
741	Image classification by multimodal subspace learning. 2012 , 33, 1196-1204		21
740	Dimensionality reduction via compressive sensing. 2012 , 33, 1163-1170		25
739	Using Bilevel Feature Extractors to Reduce Dimensionality in Images. 2012 , 14, 60-67		
738	On Combining Multiple Features for Hyperspectral Remote Sensing Image Classification. 2012 , 50, 879-893		319
737	Laplacian Eigenmaps-Based Polarimetric Dimensionality Reduction for SAR Image Classification. 2012 , 50, 170-179		67
736	. 2012 , 61, 1218-1230		78
735	Assessing and predicting protein interactions by combining manifold embedding with multiple information integration. 2012 , 13 Suppl 7, S3		46
734	Efficient Subspace Approximation Algorithms. 2012 , 47, 44-63		6
733	Analysis of alignment algorithms with mixed dimensions for dimensionality reduction. 2013 , 20, 369-384		0
732	Bidirectional-isomorphic manifold learning at image semantic understanding & representation. 2013 , 64, 53-76		1
731	Time-frequency manifold for nonlinear feature extraction in machinery fault diagnosis. 2013 , 35, 200-218		59
730	Supervised Graph Embedding for Polarimetric SAR Image Classification. 2013 , 10, 216-220		56
729	Local sparse representation projections for face recognition. <i>Neural Computing and Applications</i> , 2013 , 23, 2231-2239	4-8	12
728	Increasing reliability of protein interactome by fast manifold embedding. 2013 , 34, 372-379		27

727	Analysis of Car Crash Simulation Data with Nonlinear Machine Learning Methods. 2013 , 18, 621-630		33
726	Semisupervised Local Discriminant Analysis for Feature Extraction in Hyperspectral Images. 2013 , 51, 184-198		124
725	Correspondence construction for cartoon animation via sparse coding. 2013 ,		
724	Feature extraction of kernel regress reconstruction for fault diagnosis based on self-organizing manifold learning. 2013 , 26, 1041-1049		8
723	Locally Linear Minimum Spanning Trees for Manifold Learning. 2013 ,		
722	Low-rank matrix approximation with manifold regularization. 2013 , 35, 1717-29		111
721	Improving the classification accuracy for IR spectroscopic diagnosis of stomach and colon malignancy using non-linear spectral feature extraction methods. 2013 , 138, 4076-82		10
720	Animation Research: Modern Techniques. 2013 , 131-194		
719	Data-dependent semi-supervised hyperspectral image classification. 2013 ,		3
718	Tangent space intrinsic manifold regularization for data representation. 2013 ,		9
717	An New Algorithm on Feature Selection with L-Norm PCA. 2013 ,		
716	Local coordinates alignment with global preservation for dimensionality reduction. 2013 , 24, 106-17		31
715	Pairwise constraints based multiview features fusion for scene classification. <i>Pattern Recognition</i> , 2013 , 46, 483-496	7-7	102
714	Efficient semi-supervised feature selection with noise insensitive trace ratio criterion. <i>Neurocomputing</i> , 2013 , 105, 12-18	5-4	63
713	Rotating machine fault diagnosis using dimension reduction with linear local tangent space alignment. 2013 , 46, 2525-2539		31
712	Maximal Similarity Embedding. <i>Neurocomputing</i> , 2013 , 99, 423-438	5-4	8
711	A semi-supervised approach for dimensionality reduction with distributional similarity. <i>Neurocomputing</i> , 2013 , 103, 210-221	5-4	7
710	Vibration signal classification by wavelet packet energy flow manifold learning. 2013 , 332, 1881-1894		87

709	Visualizing the quality of dimensionality reduction. <i>Neurocomputing</i> , 2013 , 112, 109-123	5-4	40
708	Multi-view hypergraph learning by patch alignment framework. <i>Neurocomputing</i> , 2013 , 118, 79-86	5-4	26
707	A multi-manifold semi-supervised Gaussian mixture model for pattern classification. 2013 , 34, 2118-2125		17
706	LF-EME: Local features with elastic manifold embedding for human action recognition. <i>Neurocomputing</i> , 2013 , 99, 144-153	5-4	15
705	A comparative study of nonlinear manifold learning methods for cancer microarray data classification. 2013 , 40, 2189-2197		26
704	Multi-Resolution Geometric Analysis for Data in High Dimensions. 2013 , 259-285		2
703	An Explicit Nonlinear Mapping for Manifold Learning. 2013 , 43, 51-63		60
702	Unsupervised transfer learning for target detection from hyperspectral images. <i>Neurocomputing</i> , 2013 , 120, 72-82	5-4	53
701	Discriminant diffusion maps analysis: A robust manifold learner for dimensionality reduction and its applications in machine condition monitoring and fault diagnosis. 2013 , 34, 277-297		46
700	Simultaneous particle tracking in multi-action motion models with synthesized paths. 2013 , 31, 448-459		8
699	High-dimensional MRI data analysis using a large-scale manifold learning approach. 2013 , 24, 995-1014		7
698	Visualizing dimensionality reduction of systems biology data. 2013 , 27, 146-165		4
697	Dimensionality Reduction with Dimension Selection. 2013 , 508-519		1
696	Automatic fault diagnosis of rotating machines by time-scale manifold ridge analysis. 2013 , 40, 237-256		26
695	Feature Mining for Hyperspectral Image Classification. 2013 , 101, 676-697		253
694	Error-correcting output codes based ensemble feature extraction. <i>Pattern Recognition</i> , 2013 , 46, 1091-1100		24
693	Laplacian support vector machine for hyperspectral image classification by using manifold learning algorithms. 2013 ,		2
692	An error analysis on locally linear embedding. 2013 ,		

691	Time-frequency manifold correlation matching for periodic fault identification in rotating machines. 2013 , 332, 2611-2626	31
690	Nonlinear manifold learning for meshfree finite deformation thin-shell analysis. 2013 , 93, 685-713	36
689	Supervised preserving projection for learning scene information based on time-of-flight imaging sensor. 2013 , 52, 5279-88	1
688	Trace Ratio Optimization-Based Semi-Supervised Nonlinear Dimensionality Reduction for Marginal Manifold Visualization. 2013 , 25, 1148-1161	75
687	LTSA Algorithm for Dimension Reduction of Microarray Data. 2013 , 645, 192-195	1
686	The Globally Linear Embedding Algorithm. 2013 , 756-759, 2682-2686	
685	A Prediction Model Based on ISOMAP for Software Defects. 2013 , 347-350, 3278-3282	
684	A novel borderline preserving embedding manifold learning algorithm. 2013 ,	1
683	Intrinsic Spectral Analysis. 2013 , 61, 1698-1710	10
682	Face Recognition Using Marginal Discriminant Linear Local Tangent Space Alignment. 2013 ,	1
681	Manifold Based Face Synthesis from Sparse Samples. 2013 ,	5
680	Riemannian manifold learning based k-nearest-neighbor for hyperspectral image classification. 2013 ,	15
679	Potential of hybridization methods to reducing the dimensionality for multispectral biological images. 2013 , 2013, 6458-61	1
678	Graph-Laplacian PCA: Closed-Form Solution and Robustness. 2013 ,	73
677	Pseudo-increasing frame rates of carotid artery B-mode images using manifold learning. 2013 ,	
676	Locality preserving KSVD for nonlinear manifold learning. 2013 ,	2
675	Multiview locally linear embedding for effective medical image retrieval. 2013 , 8, e82409	20
674	Non-negative matrix factorization with local preservation for hyperspectral image dimensionality reduction. 2014 , 5, 793-802	2

673	A GENERAL FRAMEWORK FOR MANIFOLD RECONSTRUCTION FROM DIMENSIONALITY REDUCTION. 2014 , 28, 1451001	
672	THE HUFFMAN-LIKE ALIGNMENT IN MANIFOLD LEARNING. 2014 , 28, 1451005	5
671	Nonlinear Dynamic Projection for Noise Reduction of Dispersed Manifolds. 2014 , 36, 2303-9	10
670	Bipart: Learning Block Structure for Activity Detection. 2014 , 26, 2397-2409	7
669	HMOEDA_LLE: A hybrid multi-objective estimation of distribution algorithm combining locally linear embedding. 2014 ,	4
668	Cloud-Based Recognition Technology for Building Crack. 2014 , 644-650, 4178-4181	
667	Hyperspectral target detection using graph theory models and manifold geometry via an adaptive implementation of locally linear embedding. 2014 ,	2
666	Dayside aurora classification via BIFs-based sparse representation using manifold learning. 2014 , 91, 2415-2426	5
665	. 2014 , 24, 1885-1897	5
664	Vibration sensor data denoising using a time-frequency manifold for machinery fault diagnosis. 2013 , 14, 382-402	39
663	Fusion Algorithm Based on Improved Linear Local Tangent Space Alignment Algorithm. 2014 , 602-605, 3447-3450	
662	Machine Fault Classification Based on Local Discriminant Bases and Locality Preserving Projections. 2014 , 2014, 1-12	10
661	A Dictionary-Based Algorithm for Dimensionality Reduction and Data Reconstruction. 2014 ,	2
660	Sparse Manifold Learning and Its Applications in Image Classification. 2014 ,	
659	Geometrie manifold approximation using union of tangent patches. 2014 ,	0
658	Dimensionality Reduction in Statistical Learning. 2014 ,	5
657	Manifold Based Dynamic Texture Synthesis from Extremely Few Samples. 2014 ,	5
656	Dimensionality Reduction of Dynamical Systems with Parameters: A Geometric Approach. 2014 , 13, 493-517	

655	Joint embedding learning and sparse regression: a framework for unsupervised feature selection. 2014 , 44, 793-804			374
654	Learning image manifold using neighboring similarity integration. 2014 ,			2
653	Cloud-Based Recognition Technology for Building Crack. 2014 , 687-691, 3743-3746			
652	Efficient initial volume determination from electron microscopy images of single particles. 2014 , 30, 2891-8			51
651	Inductive manifold learning using structured support vector machine. <i>Pattern Recognition</i> , 2014 , 47, 470-479			4
650	Learning image manifold via local tensor subspace alignment. <i>Neurocomputing</i> , 2014 , 139, 22-33	5-4		2
649	Sparse dimensionality reduction of hyperspectral image based on semi-supervised local Fisher discriminant analysis. 2014 , 31, 122-129			20
648	Tangent-based manifold approximation with locally linear models. 2014 , 104, 232-247			11
647	Exchanged ridge demodulation of time-scale manifold for enhanced fault diagnosis of rotating machinery. 2014 , 333, 2450-2464			18
646	Improved discriminant sparsity neighborhood preserving embedding for hyperspectral image classification. <i>Neurocomputing</i> , 2014 , 136, 224-234	5-4		24
645	Intrinsic dimensionality estimation based on manifold assumption. 2014 , 25, 740-747			12
644	A kernel entropy manifold learning approach for financial data analysis. 2014 , 64, 31-42			40
643	Trustworthy dimension reduction for visualization different data sets. <i>Information Sciences</i> , 2014 , 278, 206-220	7-7		7
642	A robust algorithm for template curve estimation based on manifold embedding. 2014 , 70, 373-386			10
641	Sparse Transfer Manifold Embedding for Hyperspectral Target Detection. 2014 , 52, 1030-1043			139
640	Adaptive Graph Embedding Discriminant Projections. <i>Neural Processing Letters</i> , 2014 , 40, 211-226	2-4		2
639	Perceptual relativity-based semi-supervised dimensionality reduction algorithm. 2014 , 16, 112-123			4
638	Comparison of dimensionality reduction techniques for the fault diagnosis of mono block centrifugal pump using vibration signals. 2014 , 17, 30-38			32

637	Real local-linearity preserving embedding. <i>Neurocomputing</i> , 2014 , 136, 7-13	5-4	12
636	Manifold-Learning-Based Feature Extraction for Classification of Hyperspectral Data: A Review of Advances in Manifold Learning. 2014 , 31, 55-66		185
635	A regularized approach for geodesic-based semisupervised multimanifold learning. 2014 , 23, 2133-47		14
634	Incremental minmax projection analysis for classification. <i>Neurocomputing</i> , 2014 , 123, 121-130	5-4	3
633	Manifold Reconstruction Using Tangential Delaunay Complexes. 2014 , 51, 221-267		39
632	Relative manifold based semi-supervised dimensionality reduction. 2014 , 8, 923-932		4
631	Unsupervised iterative manifold alignment via local feature histograms. 2014 ,		
630	Flexible Shift-Invariant Locality and Globality Preserving Projections. 2014 , 485-500		7
629	Sparse alignment for robust tensor learning. 2014 , 25, 1779-92		60
628	Structural Laplacian Eigenmaps for modeling sets of multivariate sequences. 2014 , 44, 936-49		23
627	Integrating Local and Global Manifold structures for unsupervised dimensionality reduction. 2014 ,		2
626	Real-time monitoring of high-intensity focused ultrasound thermal therapy using the manifold learning method. 2014 , 40, 2841-50		6
625	Landmark-Based Local Patches Alignment Embedding. 2014 ,		
624	A Distance Geometric Framework for Nonlinear Hyperspectral Unmixing. 2014 , 7, 1879-1888		14
623	Local and global preserving semisupervised dimensionality reduction based on random subspace for cancer classification. 2014 , 18, 500-7		8
622	A flexible and efficient algorithm for regularized Marginal Fisher analysis. 2014 ,		1
621	Spherical and Hyperbolic Embeddings of Data. 2014 , 36, 2255-69		41
620	Robust activation function and its application: Semi-supervised kernel extreme learning method. <i>Neurocomputing</i> , 2014 , 144, 318-328	5-4	29

619	Supervised locally tangent space alignment for machine fault diagnosis. 2014 , 28, 2971-2977		18
618	An effective discretization method for disposing high-dimensional data. <i>Information Sciences</i> , 2014 , 270, 73-91	7.7	22
617	Image clustering by hyper-graph regularized non-negative matrix factorization. <i>Neurocomputing</i> , 2014 , 138, 209-217	5.4	66
616	Li-ion battery capacity estimation: A geometrical approach. 2014 , 261, 141-147		48
615	Semantic preserving distance metric learning and applications. <i>Information Sciences</i> , 2014 , 281, 674-686	7.7	94
614	Local maximal margin discriminant embedding for face recognition. 2014 , 25, 296-305		11
613	Dimensionality reduction: An interpretation from manifold regularization perspective. <i>Information Sciences</i> , 2014 , 277, 694-714	7.7	11
612	Orthogonal locally discriminant spline embedding for plant leaf recognition. 2014 , 119, 116-126		19
611	Hybrid structure for robust dimensionality reduction. <i>Neurocomputing</i> , 2014 , 124, 131-138	5.4	6
610	Sentiment visualization and classification via semi-supervised nonlinear dimensionality reduction. <i>Pattern Recognition</i> , 2014 , 47, 758-768	7.7	45
609	Group sparse multiview patch alignment framework with view consistency for image classification. 2014 , 23, 3126-37		72
608	Image clustering based on sparse patch alignment framework. <i>Pattern Recognition</i> , 2014 , 47, 3512-3519	7.7	85
607	Similar handwritten Chinese character recognition by kernel discriminative locality alignment. 2014 , 35, 186-194		12
606	Dictionary Learning and Non-Asymptotic Bounds for Geometric Multi-Resolution Analysis. 2014 , 14, 1013-1016		1
605	Spectral-Angle-based Laplacian Eigenmaps for Nonlinear Dimensionality Reduction of Hyperspectral Imagery. 2014 , 80, 849-861		15
604	Incremental Multi-manifold Out-of-Sample Data Prediction. 2014 ,		
603	Feature extraction for SAR target recognition based on supervised manifold learning. 2014 , 17, 012241		1
602	A Novel Multi-Indicator Evaluation Algorithm for Identifying the Important Nodes in Complex Networks. 2015 , 9, 427-448		

601	Randomized approximations of operators and their spectral decomposition for diffusion based embeddings of heterogeneous data. 2015,	1
600	Optimization of the Maximum Likelihood Estimator for Determining the Intrinsic Dimensionality of High Dimensional Data. 2015, 25, 895-913	3
599	Local Subspace Collaborative Tracking. 2015,	6
598	Application of the multi-kernel non-negative matrix factorization on the mechanical fault diagnosis. 2015, 7, 168781401558449	2
597	Fault Detection Based on Diffusion Maps and k Nearest Neighbor Diffusion Distance of Feature Space. 2015, 48, 756-765	15
596	Spanifold: spanning tree flattening onto lower dimension. 2015, 4, 15-31	
595	Bearing Fault Diagnosis Based on Statistical Locally Linear Embedding. 2015, 15, 16225-47	82
594	Semisupervised Tangent Space Discriminant Analysis. 2015, 2015, 1-10	2
593	Fault Diagnosis of Supervision and Homogenization Distance Based on Local Linear Embedding Algorithm. 2015, 2015, 1-8	3
592	A geometric viewpoint of manifold learning. 2015, 2,	4
591	Subspace Detection on Concept Drifting Data Stream. 2015, 51-59	1
590	Life grade recognition of rotating machinery based on Supervised Orthogonal Linear Local Tangent Space Alignment and Optimal Supervised Fuzzy C-Means Clustering. 2015, 73, 384-400	8
589	Detection and recognition of deformable objects using structured dimensionality reduction. 2015,	4
588	A landmark selection method for L-Isomap based on greedy algorithm and its application. 2015,	5
587	Interference alignment using alignment matrix. 2015,	0
586	Locally isometric and conformal parameterization of image manifold. 2015,	
585	Contactless vision-based pulse rate detection of Infants Under Neurological Examinations. 2015, 2015, 650-3	2
584	A content-based image retrieval method based on manifold learning. 2015,	

583	Statistical Learning via Manifold Learning. 2015 ,		2
582	Kernel optimization strategy based on mean shift. 2015 ,		1
581	Similarity Learning of Manifold Data. 2015 , 45, 1744-56		18
580	Information preserving and locally isometric&conformal embedding via Tangent Manifold Learning. 2015 ,		5
579	Simultaneous Semi-NMF and PCA for Clustering. 2015 ,		4
578	Feature Extraction via Vector Bundle Learning. 2015 , 143-157		
577	Multiple graph regularized sparse coding and multiple hypergraph regularized sparse coding for image representation. <i>Neurocomputing</i> , 2015 , 154, 245-256	5-4	24
576	A manifold learning method to detect respiratory signal from liver ultrasound images. 2015 , 40, 194-204		5
575	Multiview Hessian regularized logistic regression for action recognition. 2015 , 110, 101-107		60
574	Enhanced low-rank representation via sparse manifold adaption for semi-supervised learning. 2015 , 65, 1-17		35
573	Local-Manifold-Learning-Based Graph Construction for Semisupervised Hyperspectral Image Classification. 2015 , 53, 2832-2844		91
572	Nonparametric discriminant multi-manifold learning for dimensionality reduction. <i>Neurocomputing</i> , 2015 , 152, 121-126	5-4	23
571	Ensemble manifold regularized sparse low-rank approximation for multiview feature embedding. <i>Pattern Recognition</i> , 2015 , 48, 3102-3112	7-7	241
570	Graph Based Semi-Supervised Learning via Structure Preserving Low-Rank Representation. <i>Neural Processing Letters</i> , 2015 , 41, 389-406	2-4	10
569	A novel marker-less lung tumor localization strategy on low-rank fluoroscopic images with similarity learning. 2015 , 74, 10535-10558		
568	Information retrieval approach to meta-visualization. 2015 , 99, 189-229		9
567	Outlier Detection in the Framework of Dimensionality Reduction. 2015 , 29, 1550017		3
566	Discriminant sparse local spline embedding with application to face recognition. 2015 , 89, 47-55		11

565	On the Selection of Dimension Reduction Techniques for Scientific Applications. 2015 , 91-121	
564	Silhouette analysis for human action recognition based on supervised temporal t-SNE and incremental learning. 2015 , 24, 3203-17	40
563	Non-negative EMD manifold for feature extraction in machinery fault diagnosis. 2015 , 70, 188-202	30
562	Atlas compatibility transformation: A normal manifold learning algorithm. 2015 , 12, 382-392	0
561	Learning to detect concepts with Approximate Laplacian Eigenmaps in large-scale and online settings. 2015 , 4, 95-111	2
560	Robust Nonnegative Patch Alignment for Dimensionality Reduction. 2015 , 26, 2760-74	24
559	Manifold Learning in Regression Tasks. 2015 , 414-423	6
558	Multi-index algorithm of identifying important nodes in complex networks based on linear discriminant analysis. 2015 , 29, 1450268	15
557	ClassiMap: A New Dimension Reduction Technique for Exploratory Data Analysis of Labeled Data. 2015 , 29, 1551008	8
556	Manifold Adaptive Label Propagation for Face Clustering. 2015 , 45, 1681-91	15
555	Pre-Scaling Anisotropic Orthogonal Procrustes Analysis Based on Gradient Descent over Matrix Manifold. 2015 , 371-379	
554	An adaptive locally linear embedding manifold learning approach for hyperspectral target detection. 2015 ,	6
553	Multiple-domain manifold for feature extraction in machinery fault diagnosis. 2015 , 75, 76-91	34
552	Robust dimension reduction. 2015 , 7, 63-69	4
551	An improved locality sensitive discriminant analysis approach for feature extraction. 2015 , 74, 85-104	12
550	Projection-optimal local Fisher discriminant analysis for feature extraction. <i>Neural Computing and Applications</i> , 2015 , 26, 589-601	4.8 13
549	. 2015 , 22, 554-558	30
548	Detection of weak transient signals based on wavelet packet transform and manifold learning for rolling element bearing fault diagnosis. 2015 , 54-55, 259-276	157

547	Discrete Hessian Eigenmaps method for dimensionality reduction. 2015 , 278, 197-212	10
546	Multiscale envelope manifold for enhanced fault diagnosis of rotating machines. 2015 , 52-53, 376-392	21
545	Scatter balance: an angle-based supervised dimensionality reduction. 2015 , 26, 277-89	26
544	Low-rank matrix factorization with multiple Hypergraph regularizer. <i>Pattern Recognition</i> , 2015 , 48, 1011-1022	40
543	Nonlinear Topological Component Analysis: Application to Age-Invariant Face Recognition. 2015 , 26, 1375-87	18
542	A novel CBIR system with WLLTSA and ULRGA. <i>Neurocomputing</i> , 2015 , 147, 509-522	5-4 5
541	Robust Face Recognition Via Gabor Feature and Sparse Representation. 2016 , 7, 02004	
540	Robust Structure Preserving Nonnegative Matrix Factorization for Dimensionality Reduction. 2016 , 2016, 1-14	
539	Remaining Useful Life Prediction of Rolling Bearings Using PSR, JADE, and Extreme Learning Machine. 2016 , 2016, 1-13	17
538	Multisensor Fused Fault Diagnosis for Rotation Machinery Based on Supervised Second-Order Tensor Locality Preserving Projection and Weighted k-Nearest Neighbor Classifier under Assembled Matrix Distance Metric. 2016 , 2016, 1-14	4
537	Plant Leaf Recognition through Local Discriminative Tangent Space Alignment. 2016 , 2016, 1-5	1
536	Nonlinear Alignment and Its Local Linear Iterative Solution. 2016 , 2016, 1-14	
535	Spatial-spectral operator theoretic methods for hyperspectral image classification. 2016 , 7, 275-297	4
534	Locality preserving based data regression and its application for soft sensor modelling. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 1977-1986	2-3 5
533	. 2016 ,	
532	An overview on data representation learning: From traditional feature learning to recent deep learning. 2016 , 2, 265-278	72
531	Feature space distance metric learning for discriminant graph embedding. 2016 ,	
530	Feature extraction using maximum nonparametric margin projection. <i>Neurocomputing</i> , 2016 , 188, 225-234	16

529	A fast algorithm for manifold learning by posing it as a symmetric diagonally dominant linear system. 2016 , 40, 622-628		7
528	LLE for submersible plunger pump fault diagnosis via joint wavelet and SVD approach. <i>Neurocomputing</i> , 2016 , 185, 202-211	5-4	25
527	Multi-view non-negative matrix factorization by patch alignment framework with view consistency. <i>Neurocomputing</i> , 2016 , 204, 116-124	5-4	44
526	Discriminative manifold extreme learning machine and applications to image and EEG signal classification. <i>Neurocomputing</i> , 2016 , 174, 265-277	5-4	34
525	Local Tangent Space Discriminant Analysis. <i>Neural Processing Letters</i> , 2016 , 43, 727-744	2-4	7
524	Handling high-dimensional data in air pollution forecasting tasks. 2016 , 34, 70-91		6
523	Spectral Methods. 2016 , 267-289		
522	Time-frequency manifold sparse reconstruction: A novel method for bearing fault feature extraction. 2016 , 80, 392-413		54
521	Manifold learning for the emulation of spatial fields from computational models. <i>Journal of Computational Physics</i> , 2016 , 326, 666-690	4-1	17
520	Wavelet Packet Envelope Manifold for Fault Diagnosis of Rolling Element Bearings. 2016 , 65, 2515-2526		44
519	Manifold denoising based on spectral graph wavelets. 2016 ,		12
518	Discovering the Nature of Variation in Nonlinear Profile Data. 2016 , 58, 371-382		7
517	Manifold learning: Dimensionality reduction and high dimensional data reconstruction via dictionary learning. <i>Neurocomputing</i> , 2016 , 216, 268-285	5-4	9
516	Geometry and radiometry invariant matched manifold detection and tracking. 2016 ,		2
515	Sparsity divergence index based on locally linear embedding for hyperspectral anomaly detection. 2016 , 10, 025026		17
514	On comparison of manifold learning techniques for dendritic spine classification. 2016 ,		3
513	SemiNMF-PCA framework for Sparse Data Co-clustering. 2016 ,		1
512	Hyperspectral image classification method based on orthogonal NMF and LPP. 2016 ,		3

511	Computer-Vision-Guided Human Pulse Rate Estimation: A Review. 2016 , 9, 91-105		35
510	Dirichlet Process Based Active Learning and Discovery of Unknown Classes for Hyperspectral Image Classification. 2016 , 54, 4882-4895		12
509	Unsupervised manifold alignment using soft-assign technique. 2016 , 27, 929-942		3
508	Introduction. 2016 , 1-21		1
507	Nonlinear Dimensionality Reduction by Local Orthogonality Preserving Alignment. 2016 , 31, 512-524		
506	Data-driven facial animation via semi-supervised local patch alignment. <i>Pattern Recognition</i> , 2016 , 57, 1-20	7.7	11
505	. 2016 , 62, 3676-3684		6
504	Fuzzy Local Mean Discriminant Analysis for Dimensionality Reduction. <i>Neural Processing Letters</i> , 2016 , 44, 701-718	2.4	3
503	Building robust neighborhoods for manifold learning-based image classification and anomaly detection. 2016 ,		2
502	Embedded Manifold-Based Kernel Fisher Discriminant Analysis for Face Recognition. <i>Neural Processing Letters</i> , 2016 , 43, 1-16	2.4	37
501	Incremental supervised locally linear embedding for machinery fault diagnosis. 2016 , 50, 60-70		17
500	Discriminative Semantic Subspace Analysis for Relevance Feedback. 2016 , 25, 1275-87		6
499	Sparse Signal Reconstruction Based on TimeFrequency Manifold for Rolling Element Bearing Fault Signature Enhancement. 2016 , 65, 482-491		37
498	Unsupervised spectral sub-feature learning for hyperspectral image classification. 2016 , 37, 309-326		9
497	Hallucinating faces based on adaptive neighborhood selection and dual tree complex wavelet transform. 2016 , 127, 525-534		2
496	Chatter detection in turning using persistent homology. 2016 , 70-71, 527-541		65
495	Semi-supervised learning using ensembles of multiple 1D-embedding-based label boosting. 2016 , 14, 1640001		5
494	. 2016 , 9, 609-624		18

493	Semi-supervised learning using multiple one-dimensional embedding based adaptive interpolation. 2016 , 14, 1640002		7
492	Quadratic projection based feature extraction with its application to biometric recognition. <i>Pattern Recognition</i> , 2016 , 56, 40-49	7-7	8
491	Integrated dimensionality reduction technique for mixed-type data involving categorical values. 2016 , 43, 199-209		8
490	Clustering boundary detection for high dimensional space based on space inversion and Hopkins statistics. 2016 , 98, 216-225		10
489	Delta-density based clustering with a divide-and-conquer strategy: 3DC clustering. 2016 , 73, 52-59		63
488	Why Deep Learning Works: A Manifold Disentanglement Perspective. 2016 , 27, 1997-2008		88
487	Nonlinear Dimensionality Reduction via Path-Based Isometric Mapping. 2016 , 38, 1452-64		15
486	Domain Adaptation With Preservation of Manifold Geometry for Hyperspectral Image Classification. 2016 , 9, 543-555		40
485	Spectral and Spatial Proximity-Based Manifold Alignment for Multitemporal Hyperspectral Image Classification. 2016 , 54, 51-64		49
484	Facilitating data preprocessing by a generic framework: a proposal for clustering. 2016 , 45, 271-297		8
483	Orthogonal margin discriminant projection for dimensionality reduction. 2016 , 72, 2095-2110		4
482	An unsupervised discriminative extreme learning machine and its applications to data clustering. <i>Neurocomputing</i> , 2016 , 174, 250-264	5-4	25
481	Graph Regularized Sparsity Discriminant Analysis for face recognition. <i>Neurocomputing</i> , 2016 , 173, 290-297	5-4	27
480	Facial expression recognition using sparse local Fisher discriminant analysis. <i>Neurocomputing</i> , 2016 , 174, 756-766	5-4	42
479	Extend semi-supervised ELM and a frame work. <i>Neural Computing and Applications</i> , 2016 , 27, 205-213	4-8	4
478	Nonlinear kernel density principal component analysis with application to climate data. 2016 , 26, 471-492		1
477	Nonparametric Density Estimation Based on Self-Organizing Incremental Neural Network for Large Noisy Data. 2017 , 28, 8-17		19
476	Discriminant sparse locality preserving projection for face recognition. 2017 , 76, 2697-2712		5

475	Learning in high-dimensional multimedia data: the state of the art. 2017 , 23, 303-313		59
474	Hazard Detection for Motorcycles via Accelerometers: A Self-Organizing Map Approach. 2017 , 47, 3609-3620		17
473	Marginal patch alignment for dimensionality reduction. 2017 , 21, 2347-2356		5
472	Fractional-Order Embedding Supervised Canonical Correlations Analysis with Applications to Feature Extraction and Recognition. <i>Neural Processing Letters</i> , 2017 , 45, 279-297	2.4	2
471	Local graph embedding based on maximum margin criterion via fuzzy set. 2017 , 318, 120-131		39
470	Multiscale geometric methods for data sets I: Multiscale SVD, noise and curvature. 2017 , 43, 504-567		17
469	Multiscale morphological manifold for rolling bearing fault diagnosis. 2017 , 231, 3516-3529		2
468	Manifold Partition Discriminant Analysis. 2017 , 47, 830-840		35
467	Rotational Invariant Dimensionality Reduction Algorithms. 2017 , 47, 3733-3746		72
466	Semi-supervised manifold alignment with few correspondences. <i>Neurocomputing</i> , 2017 , 230, 322-331	5.4	7
465	Regularized max-min linear discriminant analysis. <i>Pattern Recognition</i> , 2017 , 66, 353-363	7.7	21
464	Manifold matching using shortest-path distance and joint neighborhood selection. 2017 , 92, 41-48		8
463	A spectral-spatial method based on low-rank and sparse matrix decomposition for hyperspectral anomaly detection. 2017 , 38, 4047-4068		20
462	Multiscale singular value manifold for rotating machinery fault diagnosis. 2017 , 31, 99-109		10
461	Sparse discriminant manifold projections for bearing fault diagnosis. 2017 , 399, 330-344		19
460	Geometry and Radiometry Invariant Matched Manifold Detection. 2017 , 26, 4363-4377		3
459	Hyperspectral anomaly detection based on spectral-spatial background joint sparse representation. 2017 , 50, 362-376		9
458	Nonlinear multi-output regression on unknown input manifold. 2017 , 81, 209-240		4

457	Evaluation of data compression techniques for the inference of stellar atmospheric parameters from high-resolution spectra. 2017 , 465, 4556-4571	3
456	Manifold Preserving: An Intrinsic Approach for Semisupervised Distance Metric Learning. 2018 , 29, 2731-2742	19
455	Image recognition method based on supervised multi-manifold learning. 2017 , 32, 2221-2232	4
454	Pattern fusion analysis by adaptive alignment of multiple heterogeneous omics data. 2017 , 33, 2706-2714	39
453	SSE: Semantically Smooth Embedding for Knowledge Graphs. 2017 , 29, 884-897	26
452	Support vector machine active learning by Hessian regularization. 2017 , 49, 47-56	13
451	Local non-linear alignment for non-linear dimensionality reduction. 2017 , 11, 331-341	3
450	. 2017 , 10, 2960-2975	69
449	Discriminant Analysis of Hyperspectral Imagery Using Fast Kernel Sparse and Low-Rank Graph. 2017 , 55, 6085-6098	24
448	Performance monitoring of non-gaussian chemical processes with modes-switching using globality-locality preserving projection. 2017 , 11, 429-439	3
447	Helicopter load signal and fatigue life estimation using low dimensional spaces. 2017 ,	2
446	Rolling Element Bearing Fault Diagnosis Using Improved Manifold Learning. 2017 , 5, 6027-6035	27
445	Learning the Geometric Structure of Manifolds with Singularities Using the Tensor Voting Graph. 2017 , 57, 402-422	7
444	Classification of archaeological pottery profiles using modal analysis. 2017 , 76, 21565-21577	7
443	Point Cloud Denoising via Moving RPCA. 2017 , 36, 123-137	49
442	A novel multi-objective evolutionary algorithm based on LLE manifold learning. 2017 , 33, 293-305	6
441	Semi-supervised incremental feature extraction algorithm for large-scale data stream. 2017 , 29, e3914	3
440	Nonlinear manifold learning for early warnings in financial markets. 2017 , 258, 692-702	46

439	Semi-supervised double sparse graphs based discriminant analysis for dimensionality reduction. <i>Pattern Recognition</i> , 2017 , 61, 361-378	7-7	34
438	Dimensionality Reduction of Hyperspectral Imagery Using Sparse Graph Learning. 2017 , 10, 1165-1181		23
437	Motor Imagery Classification Based on Bilinear Sub-Manifold Learning of Symmetric Positive-Definite Matrices. 2017 , 25, 504-516		47
436	Adaptive edge weighting for graph-based learning algorithms. 2017 , 106, 307-335		10
435	A Semi-NMF-PCA Unified Framework for Data Clustering. 2017 , 29, 2-16		51
434	Nonlinear machine fault detection by semi-supervised Laplacian Eigenmaps. 2017 , 31, 3697-3703		7
433	A tractable approach for one-bit Compressed Sensing on manifolds. 2017 ,		2
432	Manifold learning in SLA violation detection and prediction for cloud-based system. 2017 ,		1
431	. 2017 ,		4
430	High-Dimensional Density Estimation for Data Mining Tasks. 2017 ,		2
429	Robust L-Isomap with a Novel Landmark Selection Method. 2017 , 2017, 1-12		3
428	Lithium-Ion Battery Capacity Estimation: A Method Based on Visual Cognition. 2017 , 2017, 1-13		5
427	Fault Detection of High-Speed Train Wheelset Bearing Based on Impulse-Envelope Manifold. 2017 , 2017, 1-17		5
426	Robotic-Assisted Respiration-Corrected 4D Ultrasound Imaging for Image-Guided Interventions. 2017 ,		1
425	Spectral Affine-Kernel Embeddings. 2017 , 36, 117-129		4
424	Local Deep-Feature Alignment for Unsupervised Dimension Reduction. 2018 ,		150
423	LDSScanner: Exploratory Analysis of Low-Dimensional Structures in High-Dimensional Datasets. 2018 , 24, 236-245		36
422	A Supervised Geometry-Aware Mapping Approach for Classification of Hyperspectral Images. 2018 , 15, 582-586		

421	Fault diagnosis on slipper abrasion of axial piston pump based on Extreme Learning Machine. 2018 , 124, 378-385			50
420	Localized LRR on Grassmann Manifold: An Extrinsic View. 2018 , 28, 2524-2536			8
419	Multi-view manifold learning with locality alignment. <i>Pattern Recognition</i> , 2018 , 78, 154-166	7.7		50
418	Partial Sum Minimization of Singular Values Representation on Grassmann Manifolds. 2018 , 12, 1-22			6
417	Generation of compound features based on feature interaction for classification. 2018 , 108, 61-73			6
416	Efficient Context-Aware K-Nearest Neighbor Search. 2018 , 466-478			1
415	Fault feature enhancement for rotating machinery based on quality factor analysis and manifold learning. 2018 , 29, 463-480			9
414	Concept Factorization With Adaptive Neighbors for Document Clustering. 2018 , 29, 343-352			24
413	Discriminant Analysis with Local Gaussian Similarity Preserving for Feature Extraction. <i>Neural Processing Letters</i> , 2018 , 47, 39-55	2.4		6
412	Person Reidentification Using Attribute-Restricted Projection Metric Learning. 2018 , 28, 1765-1776			5
411	On the Equivalence of HLLS and LTSA. 2018 , 48, 742-753			6
410	A weighted linear discriminant analysis framework for multi-label feature extraction. <i>Neurocomputing</i> , 2018 , 275, 107-120	5.4		21
409	Multi-activity 3D human motion recognition and tracking in composite motion model with synthesized transition bridges. 2018 , 77, 12023-12055			2
408	Multiactivity 3-D Human Pose Tracking in Incorporated Motion Model with Transition Bridges. 2018 , 48, 1389-1402			5
407	Robust data representation using locally linear embedding guided PCA. <i>Neurocomputing</i> , 2018 , 275, 523-532	5.4		18
406	Local tangent space alignment via nuclear norm regularization for incomplete data. <i>Neurocomputing</i> , 2018 , 273, 141-151	5.4		11
405	Robust locally linear embedding algorithm for machinery fault diagnosis. <i>Neurocomputing</i> , 2018 , 273, 323-332	5.4		24
404	Patch Alignment Manifold Matting. 2018 , 29, 3214-3226			32

403	Study of feature extraction method of multi-information source for continuous casting process parameters. 2018 , 207, 03008	
402	Bilateral contour descriptor and manifold learning based fault diagnosis for non-periodic vibrating equipments on ships. 2018 ,	
401	Spectral Embedded Clustering on Multi-Manifold. 2018 ,	1
400	Exponential Neighborhood Preserving Embedding for Face Recognition. 2018 , E101.D, 1410-1420	8
399	Hybrid Sparse Subspace Clustering for Visual Tracking. 2018 ,	
398	Nonlinear dimensionality reduction of hyperspectral images based on spectral angles and exploiting the spatial context. <i>Journal of Physics: Conference Series</i> , 2018 , 1096, 012037	0.3
397	Nonlinear Feature Extraction Based on Kernel Adaptive Marginal Fisher Analysis for Target HRRP Recognition. 2018 ,	
396	A joint manifold leaning-based framework for heterogeneous upstream data fusion. 2018 , 12, 311-332	14
395	Kernel Extended Local Tangent Space Alignment for SAR Image Classification. 2018 ,	
394	A Unified Framework for Manifold Landmarking. 2018 , 66, 5563-5576	0
393	Mathematical analysis on out-of-sample extensions. 2018 , 16, 1850042	0
392	Nonlinear Dimensionality Reduction Based on HSIC Maximization. 2018 , 6, 55537-55555	5
391	Visualized mixed-type data analysis via dimensionality reduction. 2018 , 22, 981-1007	1
390	Think globally, fit locally under the manifold setup: Asymptotic analysis of locally linear embedding. 2018 , 46,	9
389	Robust Semi-Supervised Manifold Learning Algorithm for Classification. 2018 , 2018, 1-8	2
388	Mutual neighbors and diagonal loading-based sparse locally linear embedding. 2018 , 32, 496-514	
387	. 2018 ,	3
386	No-reference high-dynamic-range image quality assessment based on tensor decomposition and manifold learning. 2018 , 57, 839-848	5

385	Ship Classification Based on MSHOG Feature and Task-Driven Dictionary Learning with Structured Incoherent Constraints in SAR Images. 2018 , 10, 190		20
384	Resonance-Based Time-Frequency Manifold for Feature Extraction of Ship-Radiated Noise. 2018 , 18,		14
383	Curvature-aware manifold learning. <i>Pattern Recognition</i> , 2018 , 83, 273-286	7.7	1
382	A Comparative Survey of Methods for Remote Heart Rate Detection From Frontal Face Videos. 2018 , 6, 33		38
381	A global manifold margin learning method for data feature extraction and classification. 2018 , 75, 94-101		7
380	A Surrogate Modelling Approach Based on Nonlinear Dimension Reduction for Uncertainty Quantification in Groundwater Flow Models. 2019 , 126, 39-77		12
379	A regularized approach for unsupervised multi-view multi-manifold learning. 2019 , 13, 253-261		0
378	An improve face representation and recognition method based on graph regularized non-negative matrix factorization. 2019 , 78, 22109-22126		2
377	Intrinsic Isometric Manifold Learning with Application to Localization. 2019 , 12, 1347-1391		2
376	Underdetermined Blind Source Separation With Multi-Subspace for Nonlinear Representation. 2019 , 7, 84545-84557		2
375	Study on A Simple Model to Forecast the Electricity Demand under China's New Normal Situation. 2019 , 12, 2220		6
374	LE & LLE Regularized Nonnegative Tucker Decomposition for clustering of high dimensional datasets. <i>Neurocomputing</i> , 2019 , 364, 77-94	5.4	8
373	Visual Identification and Extraction of Intrinsic Axes in High-Dimensional Data. 2019 , 7, 79565-79578		3
372	. 2019 ,		3
371	Unsupervised learning of dislocation motion. 2019 , 181, 510-518		7
370	Impact identification using nonlinear dimensionality reduction and supervised learning. 2019 , 28, 115005		3
369	A simulated parameter optimization method based manifold learning for a production process. 2019 , e5521		2
368	Sparse Manifold Learning based on Laplacian Matrix. <i>Journal of Physics: Conference Series</i> , 2019 , 1187, 042022	0.3	

367	Nonlinear dimensionality reduction for the acoustic field measured by a linear sensor array. 2019 , 283, 07009		
366	Least Square Approach to Out-of-Sample Extensions of Diffusion Maps. 2019 , 5,		
365	HSIC regularized manifold learning. 2019 , 36, 5547-5558		1
364	Learning to propagate labels on graphs: An iterative multitask regression framework for semi-supervised hyperspectral dimensionality reduction. 2019 , 158, 35-49		91
363	Visibility restoration of single foggy images under local surface analysis. <i>Neurocomputing</i> , 2019 , 341, 212-226	5-4	1
362	Early fault detection of bearings based on adaptive variational mode decomposition and local tangent space alignment. 2019 , 36, 509-532		8
361	Feature Extraction Based on Adaptive Multiwavelets and LTSA for Rotating Machinery Fault Diagnosis. 2019 , 2019, 1-15		6
360	Adaptive sparse graph learning based dimensionality reduction for classification. 2019 , 82, 105459		6
359	Multilabel Feature Extraction Algorithm via Maximizing Approximated and Symmetrized Normalized Cross-Covariance Operator. 2021 , 51, 3510-3523		8
358	A Bayesian framework for materials knowledge systems. 2019 , 9, 518-531		10
357	Parallel Transport Unfolding: A Connection-Based Manifold Learning Approach. 2019 , 3, 266-291		8
356	Applying Ricci flow to high dimensional manifold learning. 2019 , 62, 1		1
355	A dimensional reduction guiding deep learning architecture for 3D shape retrieval. 2019 , 81, 82-91		3
354	Unsupervised Spatial Spectral Feature Learning by 3D Convolutional Autoencoder for Hyperspectral Classification. 2019 , 57, 6808-6820		128
353	Bispectrum Texture Feature Manifold for Feature Extraction in Rolling Bear Fault Diagnosis. 2019 , 2019, 1-11		2
352	Representation Interpretation with Spatial Encoding and Multimodal Analytics. 2019 ,		8
351	Multi-view common component discriminant analysis for cross-view classification. <i>Pattern Recognition</i> , 2019 , 92, 37-51	7-7	35
350	A regularized approach for supervised multi-view multi-manifold learning from unlabeled data. 2019 , 49, 3173-3187		1

349	A manifold learning approach to dimensionality reduction for modeling data. <i>Information Sciences</i> , 2019 , 491, 16-29	7-7	14
348	Hyperspectral anomaly detection based on anomalous component extraction framework. 2019 , 96, 340-350		5
347	Identifying and visualizing part-to-part variation with spatially dense optical dimensional metrology data. 2019 , 51, 3-20		2
346	. 2019 ,		
345	The Eminence of Co-Expressed Ties in Schizophrenia Network Communities. 2019 , 4, 149		
344	Connecting dots: from local covariance to empirical intrinsic geometry and locally linear embedding. 2019 , 1, 515-542		3
343	Recent Advances of Manifold Regularization. 2019 ,		
342	The Density-Based Descending Dimension Algorithm LLE. 2019 ,		1
341	Locally Modified Laplacian Feature Mapping. 2019 ,		
340	Dimensionality Reduction of Hyperspectral Images using Autoassociative Neural Networks. 2019 ,		
339	Manifold Learning Based on Sparse Neighbourhood Classification. 2019 ,		
338	Constructing and Visualizing High-Quality Classifier Decision Boundary Maps. 2019 , 10, 280		5
337	Multi-scale Principle Manifold Learning Noise Reduction Method for Telemetry Vibration Signal. 2019 ,		
336	Unsupervised fault diagnosis method based on iterative multi-manifold spectral clustering. 2019 , 1, 48-55		11
335	Multi-Bandwidth Mode Manifold for Fault Diagnosis of Rolling Bearings. 2019 , 7, 179620-179633		4
334	Rotating Machinery Fault Diagnosis Based on Manifold Learning using Semi-supervised Local Linear Embedding. 2019 ,		1
333	Learning the tangent space of dynamical instabilities from data. 2019 , 29, 113120		5
332	Manifold-Based Learning: Linear Methods. 2019 , 1-10		1

331	Multi-cancer samples clustering via graph regularized low-rank representation method under sparse and symmetric constraints. 2019 , 20, 718		4
330	Fault Detection of Multimodal Chemical Process Based on CLTSA. 2019 ,		
329	Exploration of Feature Extraction Methods and Dimension for sEMG Signal Classification. 2019 , 9, 5343		6
328	Low-rank graph optimization for multi-view dimensionality reduction. 2019 , 14, e0225987		2
327	A New Spectral Clustering Based on Particle Swarm Optimization for Unsupervised Fault Diagnosis of Bearings. 2019 ,		3
326	Gaussian Process Graph-Based Discriminant Analysis for Hyperspectral Images Classification. 2019 , 11, 2288		3
325	Nonlinear Subspace Learning. 2019 , 153-172		
324	Accuracy, robustness and scalability of dimensionality reduction methods for single-cell RNA-seq analysis. 2019 , 20, 269		63
323	Manifold-Based Learning: Nonlinear Methods. 2019 , 1-13		1
322	Non-intrusive reduced-order modeling for fluid problems: A brief review. 2019 , 233, 5896-5912		24
321	A survey on Laplacian eigenmaps based manifold learning methods. <i>Neurocomputing</i> , 2019 , 335, 336-351	5.4	23
320	Toward Efficient Image Representation: Sparse Concept Discriminant Matrix Factorization. 2019 , 29, 3184-3198		8
319	Establishing a software defect prediction model via effective dimension reduction. <i>Information Sciences</i> , 2019 , 477, 399-409	7.7	25
318	Unsupervised robust discriminative manifold embedding with self-expressiveness. 2019 , 113, 102-115		4
317	Nonlinear supervised dimensionality reduction via smooth regular embeddings. <i>Pattern Recognition</i> , 2019 , 87, 55-66	7.7	14
316	Classification of symmetric positive definite matrices based on bilinear isometric Riemannian embedding. <i>Pattern Recognition</i> , 2019 , 87, 94-105	7.7	10
315	Polynomial Kernel Discriminant Analysis for 2D visualization of classification problems. <i>Neural Computing and Applications</i> , 2019 , 31, 3515-3531	4.8	5
314	Label Space Embedding of Manifold Alignment for Domain Adaption. <i>Neural Processing Letters</i> , 2019 , 49, 375-391	2.4	2

313	Probabilistic Dimensionality Reduction via Structure Learning. 2019 , 41, 205-219		16
312	Multi-view clustering via spectral embedding fusion. 2019 , 23, 343-356		6
311	From shallow feature learning to deep learning: Benefits from the width and depth of deep architectures. 2019 , 9, e1255		20
310	Virtual, Digital and Hybrid Twins: A New Paradigm in Data-Based Engineering and Engineered Data. 2020 , 27, 105-134		59
309	Collaborative representation-based discriminant neighborhood projections for face recognition. <i>Neural Computing and Applications</i> , 2020 , 32, 5815-5832	4.8	9
308	On Uniquely Registrable Networks. 2020 , 7, 1327-1336		
307	Local tangent space alignment based on Hilbert-Schmidt independence criterion regularization. 2020 , 23, 855-868		4
306	Principal Boundary on Riemannian Manifolds. 2020 , 115, 1435-1448		3
305	Diffusion maps-based surrogate modeling: An alternative machine learning approach. 2020 , 121, 602-620		5
304	Fault diagnosis of rotating machines based on the EMD manifold. 2020 , 135, 106443		60
303	Local distances preserving based manifold learning. 2020 , 139, 112860		6
302	Fault diagnosis of rotating machinery with ensemble kernel extreme learning machine based on fused multi-domain features. 2020 , 98, 320-337		37
301	Dimensionality Reduction Using Discriminant Collaborative Locality Preserving Projections. <i>Neural Processing Letters</i> , 2020 , 51, 611-638	2.4	3
300	Reconstruction and Interpolation of Manifolds. I: The Geometric Whitney Problem. 2020 , 20, 1035-1133		2
299	A new method for performance analysis in nonlinear dimensionality reduction. 2020 , 13, 98-108		1
298	Dimensionality Reduction of Tensors Based on Local Homeomorphism and Global Subspace Projection Distance Minimum. 2020 , 8, 116064-116077		2
297	Data-driven surrogates for high dimensional models using Gaussian process regression on the Grassmann manifold. 2020 , 370, 113269		8
296	Manifold regularized stacked autoencoders-based feature learning for fault detection in industrial processes. 2020 , 92, 119-136		17

295	A Manifold-Based Dimension Reduction Algorithm Framework for Noisy Data Using Graph Sampling and Spectral Graph. 2020 , 2020, 1-18		
294	A novel industrial process monitoring method based on improved local tangent space alignment algorithm. <i>Neurocomputing</i> , 2020 , 405, 114-125	5-4	7
293	Feature engineering of material structure for AI-based materials knowledge systems. 2020 , 128, 041103		12
292	A General Matrix Function Dimensionality Reduction Framework and Extension for Manifold Learning. 2020 , PP,		3
291	. 2020 , 1-1		0
290	Framework of Multiple-point Statistical Simulation Using Manifold Learning for the Dimensionality Reduction of Patterns. 2020 ,		
289	. 2020 ,		
288	Nonlinear Feature Extraction Through Manifold Learning in an Electronic Tongue Classification Task. 2020 , 20,		12
287	Instance Credibility Inference for Few-Shot Learning. 2020 ,		23
286	Reconstruction of a Riemannian Manifold from Noisy Intrinsic Distances. 2020 , 2, 770-808		2
285	A Riemannian geometric framework for manifold learning of non-Euclidean data. 2020 , 15, 673		1
284	Manifold Learning Based on Straight-Like Geodesics and Local Coordinates. 2021 , 32, 4956-4970		
283	A novel health indicator developed using filter-based feature selection algorithm for the identification of rotor defects. 2020 , 1748006X2091695		3
282	Deep learning multidimensional projections. 2020 , 19, 247-269		15
281	An elastic manifold learning approach to beat-to-beat interval estimation with ballistocardiography signals. <i>Advanced Engineering Informatics</i> , 2020 , 44, 101051	7-4	5
280	Novel dimensionality reduction approach for unsupervised learning on small datasets. <i>Pattern Recognition</i> , 2020 , 103, 107291	7-7	10
279	Joint low-rank representation and spectral regression for robust subspace learning. 2020 , 195, 105723		2
278	Subspace Learning and Feature Selection via Orthogonal Mapping. 2020 , 68, 1034-1047		6

277	Diffusion maps embedding and transition matrix analysis of the large-scale flow structure in turbulent Rayleigh-Bénard convection. 2020 , 33, 1723-1756		4
276	A physics-constrained data-driven approach based on locally convex reconstruction for noisy database. 2020 , 363, 112791		21
275	Exponential sparsity preserving projection with applications to image recognition. <i>Pattern Recognition</i> , 2020 , 104, 107357	7-7	4
274	A kernel method for learning constitutive relation in data-driven computational elasticity. 2021 , 38, 39-77		5
273	Class-information-incorporated kernel entropy component analysis with application to bearing fault diagnosis. 2021 , 27, 543-555		4
272	Model-free data-driven computational mechanics enhanced by tensor voting. 2021 , 373, 113499		13
271	Predict high-frequency trading marker via manifold learning. 2021 , 213, 106662		2
270	The geometry of signal space: a case study of direct mapping between seismic signals and event distribution. 2021 , 224, 2189-2208		2
269	Complex scale feature extraction for gearbox via adaptive multi-mode manifold learning. 2021 , 174, 108688		5
268	Forward Stepwise Deep Autoencoder-based Monotone Nonlinear Dimensionality Reduction Methods.. 2021 , 30, 519-529		0
267	The diffusion geometry of fibre bundles: Horizontal diffusion maps. 2021 , 50, 147-215		3
266	Toward a Quantitative Survey of Dimension Reduction Techniques. 2021 , 27, 2153-2173		52
265	Comparison of Different Dimension Reduction Methods in Classification of Hyperspectral Images. 2021 , 9, 159-165		
264	Flow Regimes Identification-based Multidomain Features for Gas-Liquid Two-Phase Flow in Horizontal Pipe. 2021 , 1-1		1
263	Accelerating Convolutional Neural Network-Based Hyperspectral Image Classification by Step Activation Quantization. 2021 , 1-12		18
262	Dimensionality Reduction and Metric Learning. 2021 , 241-264		0
261	Encyclopedia of Mathematical Geosciences. 2021 , 1-4		
260	Common Information Components Analysis. 2021 , 23,		

259	Nonlinear Dimensionality Reduction for Data Visualization: An Unsupervised Fuzzy Rule-based Approach. 2021 , 1-1		2
258	A rotation based regularization method for semi-supervised learning. 2021 , 24, 1-19		
257	Dataset Denoising Based on Manifold Assumption. 2021 , 2021, 1-14		1
256	Graph Approximations to Geodesics on Metric Graphs. 2021 ,		
255	Semisupervised Feature Selection via Generalized Uncorrelated Constraint and Manifold Embedding. 2021 , PP,		1
254	Sparse Graph Embedding Based on the Fuzzy Set for Image Classification. 2021 , 2021, 1-10		1
253	A Novel Probabilistic Label Enhancement Algorithm for Multi-label Distribution Learning. 2021 , 1-1		1
252	Output-Weighted Optimal Sampling for Bayesian Experimental Design and Uncertainty Quantification. 2021 , 9, 564-592		3
251	A Novel Discriminant Locality Preserving Projections Method. 2021 , 63, 541		7
250	Bearing feature extraction using multi-structure locally linear embedding. <i>Neurocomputing</i> , 2021 , 428, 280-290	5-4	3
249	Manifold fitting algorithm of noisy manifold data based on variable-scale spectral graph. 1		
248	On non-parametric density estimation on linear and non-linear manifolds using generalized Radon transforms. 1-21		
247	NRIC: A Noise Removal Approach for Nonlinear Isomap Method. <i>Neural Processing Letters</i> , 2021 , 53, 2277-2304		10
246	Diffusion maps-aided Neural Networks for the solution of parametrized PDEs. 2021 , 376, 113568		4
245	Quantitative and Qualitative Comparison of 2D and 3D Projection Techniques for High-Dimensional Data. 2021 , 12, 239		1
244	Sparsity and manifold regularized convolutional auto-encoders-based feature learning for fault detection of multivariate processes. 2021 , 111, 104811		7
243	Manifold Modeling in Machine Learning. 2021 , 66, 754-763		
242	Tensor dimensionality reduction via mode product and HSIC. 2021 , 15, 2986-3002		

241	Fast Manifold Landmarking Using Extreme Eigen-Pairs. 2021 ,	
240	Domain Adaptation Algorithm based on Manifold Regularization. 2021 ,	1
239	A technique for characterising feature size and quality of manifolds. 2021 , 25, 646-668	2
238	Dimensionality Reduction Based on kCCC and Manifold Learning. 2021 , 63, 1010-1035	
237	A Survey of Unsupervised Generative Models for Exploratory Data Analysis and Representation Learning. 2021 , 54, 1-40	10
236	. 2021 , 9, 52-87	90
235	Exploring Multi-dimensional Data via Subset Embedding. 2021 , 40, 75-86	1
234	Local coordinates and global structure preservation for fault detection and diagnosis. 2021 , 32, 115111	3
233	Applying inverse stereographic projection to manifold learning and clustering. 1	
232	High Efficiency Spam Filtering: A Manifold Learning-Based Approach. 2021 , 2021, 1-7	2
231	Dimensionality reduction and classification for hyperspectral image based on robust supervised ISOMAP. 1-11	1
230	Vector of Locally and Adaptively Aggregated Descriptors for Image Feature Representation. <i>Pattern Recognition</i> , 2021 , 116, 107952	7-7 8
229	Bibliography. 2021 , 331-400	
228	A novel AdaBoost ensemble model based on the reconstruction of local tangent space alignment and its application to multiple faults recognition. 2021 , 104, 158-167	2
227	Local quasi-linear embedding based on kronecker product expansion of vectors. 2021 , 41, 2195-2205	
226	Dimensionality reduction of tensors based on manifold-regularized tucker decomposition and its iterative solution. 1	0
225	Manifold Learning with Arbitrary Norms. 2021 , 27, 1	1
224	Onboard target detection in hyperspectral image based on deep learning with FPGA implementation. 2021 , 85, 104313	0

223	Adaptive sliding window LSTM NN based RUL prediction for lithium-ion batteries integrating LTSA feature reconstruction. <i>Neurocomputing</i> , 2021 , 466, 178-189	5-4	3
222	Multiscale regression on unknown manifolds. 2022 , 4, 1-25		2
221	Probabilistic modelling of general noisy multi-manifold data sets. 2022 , 302, 103579		2
220	. 2021 , 9, 43909-43922		1
219	Invertible Manifold Learning for Dimension Reduction. 2021 , 713-728		
218	How to trust unlabeled data Instance Credibility Inference for Few-Shot Learning. 2021 , PP,		3
217	Determining Intrinsic Dimension and Entropy of High-Dimensional Shape Spaces. 2006 , 231-252		24
216	Supervised Learning for Classification. 2005 , 49-57		3
215	Riemannian Manifold Learning for Nonlinear Dimensionality Reduction. 2006 , 44-55		21
214	Incremental Manifold Learning Via Tangent Space Alignment. 2006 , 107-121		19
213	Spline Embedding for Nonlinear Dimensionality Reduction. 2006 , 825-832		9
212	Signal Ensemble Classification Using Low-Dimensional Embeddings and Earth Mover's Distance. 2011 , 227-256		1
211	Riemannian Manifold Clustering and Dimensionality Reduction for Vision-Based Analysis. 2011 , 27-53		5
210	A Flexible and Effective Linearization Method for Subspace Learning. 2013 , 177-203		2
209	Using a Distributed SDP Approach to Solve Simulated Protein Molecular Conformation Problems. 2013 , 351-376		4
208	Spectral Dimensionality Reduction. 2014 , 7-22		0
207	Manifold Learning in Data Mining Tasks. 2014 , 119-133		5
206	Machinery Fault Signal Reconstruction Using Time-Frequency Manifold. 2015 , 777-787		1

205	Low-Dimensional Data Representation in Data Analysis. 2014 , 47-58	5
204	Nonlinearly Structured Low-Rank Approximation. 2014 , 1-22	1
203	Unsupervised Learning Using the Tensor Voting Graph. 2015 , 282-293	2
202	IKLTSA: An Incremental Kernel LTSA Method. 2015 , 70-83	1
201	A Modified Isomap Approach to Manifold Learning in Word Spotting. 2015 , 529-539	14
200	A Manifold Learning Algorithm Based on Incremental Tangent Space Alignment. 2016 , 541-552	1
199	Manifold Learning Regression with Non-stationary Kernels. 2018 , 152-164	5
198	Embedding New Data Points for Manifold Learning Via Coordinate Propagation. 2007 , 332-343	4
197	Comparison of Dimension Reduction Methods for Database-Adaptive 3D Model Retrieval. 2008 , 196-210	5
196	Discriminative Locality Alignment. 2008 , 725-738	56
195	LDR-LLE: LLE with Low-Dimensional Neighborhood Representation. 2008 , 43-54	10
194	Adaptive Neighborhood Select Based on Local Linearity for Nonlinear Dimensionality Reduction. 2009 , 337-348	4
193	Robust Local Tangent Space Alignment. 2009 , 293-301	5
192	Lorentzian Discriminant Projection and Its Applications. 2010 , 311-320	0
191	Learning Bundle Manifold by Double Neighborhood Graphs. 2010 , 321-330	2
190	Fast ISOMAP Based on Minimum Set Coverage. 2010 , 173-179	4
189	An Empirical Study on the Performance of Spectral Manifold Learning Techniques. 2011 , 347-354	1
188	Manifold Learning for Visualization of Vibrational States of a Rotating Machine. 2011 , 285-292	1

187	Local Tangent Space Alignment. 2012 , 221-234	3
186	Data-Based Modeling and Monitoring for Multimode Processes Using Local Tangent Space Alignment. 2012 , 169-178	2
185	Orthogonal Projection Analysis. 2012 , 1-8	1
184	Pavement Distress Image Recognition Based on Multilayer Autoencoders. 2012 , 666-673	2
183	Dimensionality Reduction by Low-Rank Embedding. 2013 , 181-188	3
182	Automatic Webcam-Based Human Heart Rate Measurements Using Laplacian Eigenmap. 2013 , 281-292	13
181	Nonlinear Methods for Dimensionality Reduction. 2015 , 2799-2851	2
180	Semi-supervised Learning Using an Unsupervised Atlas. 2014 , 565-580	14
179	Visual Texture Perception with Feature Learning Models and Deep Architectures. 2014 , 401-410	7
178	PSO-Based Synthetic Minority Oversampling Technique for Classification of Reduced Hyperspectral Image. 2019 , 617-625	3
177	Intrinsic and extrinsic operators for shape analysis. 2019 , 20, 41-115	2
176	The similarity-consensus regularized multi-view learning for dimension reduction. 2020 , 199, 105835	2
175	Warwick electron microscopy datasets. 2020 , 1, 045003	3
174	Accuracy, Robustness and Scalability of Dimensionality Reduction Methods for Single Cell RNAseq Analysis.	2
173	NCVis: Noise Contrastive Approach for Scalable Visualization. 2020 ,	1
172	Adaptively Segmenting Angular Sectors for Radar HRRP Automatic Target Recognition. 2008 , 2008, 641709	7
171	Local Reconstruction Error Alignment: A Fast Unsupervised Feature Selection Algorithm for Radar Target Clustering. 2014 , E97.D, 357-360	2
170	Multifractal manifold for rotating machinery fault diagnosis based on detrended fluctuation analysis. 2016 , 18, 5153-5173	5

169	A feature fusion method using WPD-SVD and t-SNE for gearbox fault diagnosis. 2017 , 14, 91-96	1
168	Method of bearing fault diagnosis based on time-frequency manifold analysis. 2020 , 30, 32-37	1
167	Outlier Detection Approach Based on Reconstruction Weights. 2011 , 22, 1571-1579	1
166	Manifold learning algorithm based on the small world model. 2010 , 30, 2917-2920	2
165	Modified linear local tangent space alignment algorithm. 2011 , 31, 247-249	2
164	3D facial depth map recognition based on manifold learning-LOGMAP algorithm. 2013 , 26, 138-143	2
163	Comparative Study of Dimensionality Reduction Techniques for Data Visualization. 2010 , 3, 119-134	31
162	Dimensionality Reduction for Classification of Blind Steganalysis. 2015 , 9, 721-734	1
161	Supervision of Industrial Processes using Self Organizing Maps. 2012 , 206-227	1
160	Multi-Layer Kernel Learning Method Faced on Roller Bearing Fault Diagnosis. 2012 , 7,	1
159	Review of Unsupervised Learning Techniques. 2022 , 576-590	
158	A Local Tangent Space Alignment Based Transductive Classification Algorithm. 2006 , 93-106	
157	Robust Cooperative Visual Tracking: A Combined NonLinear Dimensionality Reduction/Robust Identification Approach. 2007 , 353-371	
156	Incremental Manifold Learning Algorithm Using PCA on Overlapping Local Neighborhoods for Dimensionality Reduction. 2008 , 406-415	1
155	Embedded Map Projection for Dimensionality Reduction-Based Similarity Search. 2008 , 582-591	2
154	Dimensionality Reduction and Microarray Data. 2008 , 293-308	1
153	A Projection Clustering Technique Based on Projection. 2009 , 02, 362-367	
152	Nonlinear Embedded Map Projection for Dimensionality Reduction. 2009 , 219-228	1

- 151 Dynamic Neighborhood Selection for Nonlinear Dimensionality Reduction. **2009**, 327-337 1
- 150 A Novel Local Sensitive Frontier Analysis for Feature Extraction. **2009**, 556-565
- 149 Regularized Kernel Local Linear Embedding on Dimensionality Reduction for Non-vectorial Data. **2009**, 240-249 1
- 148 Orthogonal Discriminant Local Tangent Space Alignment. **2010**, 423-429
- 147 Dimensionality Reduction for Classification through Visualisation Using L1SNE. **2010**, 204-212
- 146 An Incremental Manifold Learning Algorithm Based on the Small World Model. **2010**, 324-332 2
- 145 Method of kernel local-margin fisher discriminant to rotor fault diagnosis. **2010**, 24, 96-100
- 144 Nonlinear dimensionality reduction algorithm and application to hospital performance evaluation. **2010**, 30, 1004-1007
- 143 A Manifold Unfolding Method Based on Boundary Constraints. **2010**, 36, 488-498 0
- 142 Survey on Lie Group Machine Learning. **2010**, 33, 1115-1126
- 141 Nonlinear noise reduction method based on fractal dimension and the local tangent space mean reconstruction. **2010**, 24, 699-704
- 140 Subspaces Versus Submanifolds [A Comparative Study of Face Recognition. **2011**, 447-484 1
- 139 Semi-supervised Local Tangent Space Alignment. **2011**, 611-618
- 138 Abnormal Structure in Regular Data Revealed by Isomap with Natural Nearest Neighbor. **2011**, 538-544 1
- 137 A Large-Scale Manifold Learning Approach for Brain Tumor Progression Prediction. **2011**, 265-272 2
- 136 Improved algorithm of preserving global and local properties based on Riemannian manifold learning. **2011**, 30, 3301-3303
- 135 High Dimensional Correspondences from Low Dimensional Manifolds [An Empirical Comparison of Graph-Based Dimensionality Reduction Algorithms. **2011**, 334-343
- 134 Uncorrelated Neighborhood Preserving Projections for Face Recognition. **2011**, 513-520

- 133 Neighborhood Preserving Fisher Discriminant Analysis. **2011**, 10, 2464-2469 3
- 132 Robust Laplacian Eigenmaps Using Global Information. **2011**, 37-55 1
- 131 Chinese Web Text Classification Model Based on Manifold Learning. **2012**, 722-728
- 130 Robust ISOMAP Based on Neighbor Ranking Metric. **2012**, 221-229 1
- 129 Identifying Relevant Features of Images from Their 2-D Topology. **2012**, 173-190
- 128 A New Manifold Learning Algorithm Based on Incremental Spectral Decomposition. **2012**, 149-160
- 127 Robust Integrated Locally Linear Embedding. **2012**, 364-371
- 126 Modeling and Monitoring of Multimodes Process. **2012**, 159-168
- 125 Manifold Analysis of Spectral Munsell Colors. **2012**, 543-550
- 124 A Feature Space Alignment Learning Algorithm. **2012**, 795-800 1
- 123 Spatio-temporal LTSA and Its Application to Motion Decomposition. **2012**, 498-505
- 122 GCM Data Analysis Using Dimensionality Reduction. **2012**, 217-222
- 121 Introduction. **2012**, 1-26
- 120 A Fast Manifold Learning Algorithm. **2012**, 11, 380-383 0
- 119 Patch Alignment for Graph Embedding. **2013**, 73-118
- 118 Learning Compact Representation for Image with Tensor Manifold Perspective. **2013**, 664-671
- 117 An Outlier Detection Method for Robust Manifold Learning. **2013**, 353-360 3
- 116 Nonlinear Methods for Dimensionality Reduction. **2013**, 1-46 2

- 115 Manifold Learner Ensemble. **2013**, 94-99
- 114 A Nonlinear Dimension Reduction Method with Both Distance and Neighborhood Preservation. **2013**, 48-63 3
- 113 Nonlinear Data Mining Method Based on Manifold Learning. **2014**, 2025-2032
- 112 Independent Component Analysis: Embedded LTSA. **2014**, 711-722
- 111 A Manifold Learning Fusion Algorithm Based on Distance and Angle Preservation. **2014**, 31-43
- 110 Geometric Search and Geometric Processing. **2014**, 201-227
- 109 Nonparametric Discriminant Multi-manifold Learning. **2014**, 113-119 1
- 108 Modelling the Manifold. **2014**, 23-40
- 107 Multi-scale Manifold for Machinery Fault Diagnosis. **2015**, 203-214 1
- 106 Nonlinear Methods for Dimensionality Reduction. **2015**, 1-46
- 105 Overview of Basic Methods for Data Science. **2015**, 17-37 1
- 104 Effective MVU via Central Prototypes and Kernel Ridge Regression. **2015**, 143-154
- 103 Neighborhood Selection for Dimensionality Reduction. **2015**, 183-191 1
- 102 Semi-supervised Hessian Eigenmap for Human Action Recognition. **2016**, 133-139
- 101 Nonlinear Dimensionality Reduction via Homeomorphic Tangent Space and Compactness. **2017**, 520-533
- 100 An Overview of Numerical Acceleration Techniques for Nonlinear Dimension Reduction. **2017**, 797-829 0
- 99 Noise-Removal Method for Manifold Learning. **2017**, 191-200
- 98 Unsupervised Local Linear Preserving Manifold Reduction with Uncertainty Pretraining for Image Recognition. **2017**, 527-539

- 97 Online Dictionary Learning for Approximate Archetypal Analysis. **2018**, 501-516 1
- 96 Embedding Spatial Context into Spectral Angle Based Nonlinear Mapping for Hyperspectral Image Analysis. **2018**, 263-274 0
- 95 DKE-RLS: A Manifold Reconstruction Algorithm in Label Spaces with Double Kernel Embedding-Regularized Least Square. **2018**, 16-28 1
- 94 Discrimination of Volumetric Shapes Using Orthogonal Tensor Decomposition. **2018**, 277-290 0
- 93 Manifold aware discriminant collaborative graph embedding for face recognition. **2018**,
- 92 Nonlinear Modeling Problems. **2019**, 173-197
- 91 Introduction. **2019**, 1-15
- 90 Nächste-Nachbarn-Verfahren und Dimensionsreduktion. **2019**, 147-186
- 89 Finding Structure in Point Cloud Data with the Robust Isoperimetric Loss. **2019**, 25-37 1
- 88 Multiview Dimension Reduction Based on Sparsity Preserving Projections. **2019**, 296-309
- 87 Supervised kernel discriminant local tangent space alignment for high-resolution range profile-based radar target recognition. **2019**, 13, 1
- 86 Supervised Dimension Reduction by Local Neighborhood Optimization for Image Processing. **2019**, 13, 334-347
- 85 Research on Electric Power Business Terminal Classification Technology based on Unsupervised Algorithms. **2020**,
- 84 A Survey on Anomaly Detection Techniques in Large-Scale KPI Data. **2021**, 767-776
- 83 Study on Improvement of Vibration Monitor for an Aero-Engine. **2020**, 09, 470-480
- 82 A Study on the Effect of Dimensionality Reduction on Cyber-Attack Identification in Water Storage Tank SCADA Systems. **2021**, 171-187
- 81 Tensor-Based Feature Learning. **2020**, 161-193
- 80 Principal Tensor Embedding for Unsupervised Tensor Learning. **2020**, 8, 225240-225257 0

79	Benchmarking Manifold Learning Methods on a Large Collection of Datasets. 2020 , 135-150		2
78	Radars in Transport Applications. 2020 , 195-211		
77	Multilabel Distribution Learning Based on Multioutput Regression and Manifold Learning. 2020 , PP,		2
76	Polynomial approximation to manifold learning. 2021 , 1-19		
75	Local Coordinates Alignment and Its Linearization. 2008 , 643-652		1
74	Walking Appearance Manifolds without Falling Off. 2007 , 653-662		
73	Distortion-Free Nonlinear Dimensionality Reduction. 2008 , 564-579		
72	A Method of Dimensionality Reduction of Analog Circuit Fault Feature. 2022 , 839-848		
71	EEG fading data classification based on improved manifold learning with adaptive neighborhood selection. <i>Neurocomputing</i> , 2021 ,	5-4	1
70	Tensor local linear embedding with global subspace projection optimisation.		0
69	A Kullback-Leibler Divergence-Based Locally Linear Embedding Method: A Novel Parametric Approach for Cluster Analysis. 2021 , 406-420		
68	Performance evaluation of non-linear techniques UMAP and t-SNE for data in higher dimensional topological space. 2020 ,		1
67	DRUIDJS [A JavaScript Library for Dimensionality Reduction. 2020 ,		
66	A Comparative Assessment of Dimensionality Reduction Techniques for Diagnosing Faults in Smart Grids. 2020 ,		
65	Manifold öğrenme yöntemlerinin ileri seviye regresyon yöntemleri ile genelleştirilmesi.		
64	Fault Detection Method Based on Global-Local Marginal Discriminant Preserving Projection for Chemical Process. 2022 , 10, 122		3
63	An Approach to Preprocess and Cluster a BRDF Database. 2022 , 119, 101123		
62	Non-intrusive surrogate modeling for parametrized time-dependent partial differential equations using convolutional autoencoders. 2022 , 109, 104652		4

61	Predicting Cancer Lymph-node Metastasis from LncRNA Expression Profiles using Local Linear Reconstruction Guided Distance Metric Learning.. 2022 , PP,		0
60	A Class-Driven Approach to Dimension Embedding. 2022 , 195, 116650		0
59	Hierarchical autoclassification of cryo-EM samples and macromolecular energy landscape determination.. 2022 , 216, 106673		1
58	Robust Spectral Clustering via the Ordering Metric. 2022 , 863-873		
57	An unsupervised multi-manifold discriminant isomap algorithm based on the pairwise constraints. 2022 , 13, 1317-1336		
56	Smooth manifold extraction in high-dimensional data using a deep model. 1		
55	Disentangled Inference for GANs With Latently Invertible Autoencoder. 1		2
54	Graph Regularization Multidimensional Projection. <i>Pattern Recognition</i> , 2022 , 108690	7.7	0
53	Refining electronic medical records representation in manifold subspace.. 2022 , 23, 115		1
52	Short-Term Load Forecasting Based on Modified Locally Linear Embedding Using Multiple Weights. 2021 ,		
51	Online Tensor Decomposition for Hyperspectral Data Representation. 2021 ,		
50	Spatial voting models in circular spaces: A case study of the U.S. House of Representatives. <i>Annals of Applied Statistics</i> , 2021 , 15,		2.1
49	Topology Structure Analysis of High Dimensional Dataset by Flattening Deformation of Data Manifold. <i>International Journal of Mathematics and Computers in Simulation</i> , 2021 , 15, 161-164		0.5
48	Multi-manifold Discriminant Local Spline Embedding. <i>Pattern Recognition</i> , 2022 , 108714	7.7	
47	Table_1.docx. 2018 ,		
46	Application of oscillatory time frequency manifold for extraction of rolling element bearing fault signature. <i>Journal of Physics: Conference Series</i> , 2022 , 2252, 012039		0.3
45	Locally fitting hyperplanes to high-dimensional data. <i>Neural Computing and Applications</i> , 2022 , 34, 8885	4.8	
44	Varying-parameter time-frequency manifold for gearbox fault diagnosis. <i>Journal of Physics: Conference Series</i> , 2022 , 2184, 012008		0.3

43	Manifold embedding data-driven mechanics. <i>Journal of the Mechanics and Physics of Solids</i> , 2022 , 1049275		o
42	Digital modelling layer: two digital modelling methodsPART 1: SCAN-TO-BIM APPROACHES: REVIEW IN A HOLISTIC WORKFLOWPART 2: REVIEW OF GEOMETRIC DIGITAL TWINNING APPROACHES BASED ON PHOTOGRAMMETRY. 2022 , 101-159		
41	A survey of unsupervised learning methods for high-dimensional uncertainty quantification in black-box-type problems. <i>Journal of Computational Physics</i> , 2022 , 111313	4.1	o
40	Data mining analyses for precision medicine in acromegaly: a proof of concept. <i>Scientific Reports</i> , 2022 , 12,	4.9	o
39	Enhance Explainability of Manifold Learning. <i>Neurocomputing</i> , 2022 ,	5.4	2
38	A Projective Noise Reduction Algorithm Based on Laplacian Smoothing. 2021 ,		
37	Methodology-Centered Review of Molecular Modeling, Simulation, and Prediction of SARS-CoV-2. <i>Chemical Reviews</i> ,	68.1	7
36	Reduced basis methods for time-dependent problems. <i>Acta Numerica</i> , 2022 , 31, 265-345	15.1	1
35	Supervised learning of explicit maps with ability to correct distortions in the target output for manifold learning. <i>Information Sciences</i> , 2022 ,	7.7	
34	The chemical process monitoring method based on temporal extended orthogonal neighbourhood preserving embedding (TONPE). <i>Canadian Journal of Chemical Engineering</i> ,	2.3	
33	Topologically-Informed Atlas Learning. 2022 ,		
32	A*-FastIsomap: An Improved Performance of Classical Isomap Based on A* Search Algorithm. <i>Neural Processing Letters</i> ,	2.4	
31	Panoramic Manifold Projection (Panoramap) for Single-Cell Data Dimensionality Reduction and Visualization. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 7775	6.3	o
30	Feature extraction and health status prediction in PV systems. <i>Advanced Engineering Informatics</i> , 2022 , 53, 101696	7.4	
29	Unsupervised manifold learning with polynomial mapping on symmetric positive definite matrices. <i>Information Sciences</i> , 2022 , 609, 215-227	7.7	o
28	Manifold Learning-Based CSI Feedback in Massive MIMO Systems. 2022 ,		
27	Model-Centric Data Manifold: The Data Through the Eyes of the Model. 2022 , 15, 1140-1156		
26	Fault Diagnosis of Rotating Machinery Based on Local Centroid Mean Local Fisher Discriminant Analysis.		

- 25 Quantification of Valve Stiction in Control Loops Using the Bayesian Approach on the Riemannian Manifold. **2022**, 61, 11880-11897
- 24 HyperNTF: A hypergraph regularized nonnegative tensor factorization for dimensionality reduction. **2022**, 512, 190-202 ○
- 23 Manifold Learning via Linear Tangent Space Alignment (LTSA) for Accelerated Dynamic MRI with Sparse Sampling. **2022**, 1-1 ○
- 22 Integrating Constraints into Dimensionality Reduction for Visualization: a Survey. **2022**, 1-19 ○
- 21 Manifold Learning and Nonlinear Homogenization. **2022**, 20, 1093-1126 ○
- 20 An evaluation of how connectopic mapping reveals visual field maps in V1. **2022**, 12, ○
- 19 Manifold Alignment-Based Nonintrusive and Nonlinear Multifidelity Reduced-Order Modeling. 1-21 ○
- 18 NNNPE: non-neighbourhood and neighbourhood preserving embedding. **2022**, 34, 2615-2629 ○
- 17 A Label Distribution Manifold Learning Algorithm. **2022**, 109112 ○
- 16 Adaptive Fault Diagnosis and Decision-Making Method Based on Multi-Spectrum Evaluation and Fusion for Traction Motor Bearings. **2022**, 1-1 ○
- 15 A Novel Label Enhancement Algorithm Based on Manifold Learning. **2023**, 135, 109189 ○
- 14 Joint spectral quantification of MR spectroscopic imaging using linear tangent space alignment-based manifold learning. ○
- 13 Staying the course: iteratively locating equilibria of dynamical systems on Riemannian manifolds defined by point-clouds. ○
- 12 Towards an ML-Based Semantic IoT for Pandemic Management: A Survey of Enabling Technologies for COVID-19. **2023**, 1 ○
- 11 Smart multichannel mode extraction for enhanced bearing fault diagnosis. **2023**, 189, 110107 ○
- 10 Bearing Early Fault Detection Using Local Tangent Space Alignment and Hypothesis Testing. **2022**, ○
- 9 Data-Driven Phenotyping of Alzheimer's Disease under Epigenetic Conditions Using Partial Volume Correction of PET Studies and Manifold Learning. **2023**, 11, 273 ○
- 8 BLTSA: pseudotime prediction for single cells by branched local tangent space alignment. ○

- 7 Spectral Methods for Solving Elliptic Pdes on Unknown Manifolds. ○
- 6 Improving Self-supervised Dimensionality Reduction: Exploring Hyperparameters and Pseudo-Labeling Strategies. **2023**, 135-161 ○
- 5 IAN: Iterated Adaptive Neighborhoods for Manifold Learning and Dimensionality Estimation. **2023**, 35, 453-524 ○
- 4 Stabilizing and Simplifying Sharpened Dimensionality Reduction Using Deep Learning. **2023**, 4, ○
- 3 Joint L2,p-norm and random walk graph constrained PCA for single-cell RNA-seq data. 1-14 ○
- 2 Stretching Deep Architectures: A Deep Learning Method without Back-Propagation Optimization. **2023**, 12, 1537 ○
- 1 Spectral methods for solving elliptic PDEs on unknown manifolds. **2023**, 486, 112132 ○