Citation Report
List of articles citing

Dimension Reduction: A Guided Tour

DOI: 10.1561/2200000002
Foundations and Trends in Machine Learning, 2009, 2, 275-36

#	Paper	IF	Citations
151	Local and Global Intrinsic Dimensionality Estimation for Better Chemical Space Representation. *Lecture Notes in Computer Science*, **2011**, 329-338	0.9	1
150	A probabilistic, discriminative and distributed system for the recognition of human actions from multiple views. **2012**, 75, 78-87		24
149	Local and global structure preserving based feature selection. **2012**, 89, 147-157		27
148	New developments for net-effect plots. **2013**, 5, 105-113		7
147	Computational genetic neuroanatomy of the developing mouse brain: dimensionality reduction, visualization, and clustering. **2013**, 14, 222		20
146	Processing of smart meters data based on random projections. **2013**,		1
145	. **2013**, 101, 652-675		887
144	PCA-based high-dimensional noisy data clustering via control of decision errors. **2013**, 37, 338-345		7
143	Parsimonious Mahalanobis kernel for the classification of high dimensional data. **2013**, 46, 845-854		25
142	Hybrid feature reduction and selection for enhanced classification of high dimensional medical data. **2013**,		4
141	Defining and evaluating classification algorithm for high-dimensional data based on latent topics. **2014**, 9, e82119		7
140	Learning locality preserving graph from data. **2014**, 44, 2088-98		23
139	Non-parametric functional methods for hyperspectral image classification. **2014**,		
138	Efficient recovery of principal components from compressive measurements with application to Gaussian mixture model estimation. **2014**,		3
137	Nonlinear parsimonious feature selection for the classification of hyperspectral images. **2014**,		1
136	Econo-ESA Reduction Scheme and the Impact of its Index Matrix Density. **2014**, 35, 474-483		0
135	Sufficient Reductions in Regressions With Elliptically Contoured Inverse Predictors. **2015**, 110, 420-434		17

134	Data-Based Statistical Models of Data Networks. **2015**,		
133	Human action recognition using motion energy template. **2015**, 54, 063107		3
132	A new estimator of intrinsic dimension based on the multipoint Morisita index. **2015**, 48, 4070-4081		12
131	Human action recognition via compressive-sensing-based dimensionality reduction. **2015**, 126, 882-887		6
130	Multiple functional linear model for association analysis of RNA-seq with imaging. **2015**, 3, 90-102		1
129	Estimation of Vectors Similarity by Their Randomized Binary Projections. **2015**, 51, 808-818		2
128	40 years FORM: Some new aspects?. **2015**, 42, 71-77		28
127	Fast Forward Feature Selection of Hyperspectral Images for Classification With Gaussian Mixture Models. **2015**, 8, 2824-2831		28
126	Review of dimensionality reduction techniques using clustering algorithm in reconstruction of gene regulatory networks. **2015**,		6
125	Introduction to the special issue on visual analytics using multidimensional projections. **2015**, 150, 543-545		2
124	A Projection Pursuit framework for supervised dimension reduction of high dimensional small sample datasets. **2015**, 149, 767-776		23
123	Canonical correlation analysis for dimensionality reduction of sleep apnea features based on ECG single lead. **2016**,		1
122	Machine Learning for Health Informatics. *Lecture Notes in Computer Science*, **2016**, 1-24	0.9	24
121	Uniforming the dimensionality of data with neural networks for materials informatics. **2016**, 46, 17-25		8
120	Spectral Methods. **2016**, 267-289		
119	Manifold learning for the emulation of spatial fields from computational models. **2016**, 326, 666-690		17
118	An order fitting rule for optimal subspace averaging. **2016**,		8
117	. **2016**,		7

116	Parsing abnormal grain growth. **2016**, 103, 681-687		25
115	Introduction. **2016**, 1-21		1
114	Exploring the effects of dimensionality reduction in deep networks for force estimation in robotic-assisted surgery. **2016**,		1
113	Incremental Regularized Least Squares for Dimensionality Reduction of Large-Scale Data. **2016**, 38, B414-B439		4
112	Principal component analysis for non-stationary time series based on detrended cross-correlation analysis. **2016**, 84, 1033-1044		23
111	Reconstruction of cloud-contaminated satellite remote sensing images using kernel PCA-based image modelling. **2016**, 9, 1		6
110	Multiple kernel boosting framework based on information measure for classification. **2016**, 89, 175-186		3
109	Adaptive metric dimensionality reduction. **2016**, 620, 105-118		4
108	Selecting variables with the least correlation based on physarum network. **2016**, 153, 33-39		4
107	Application of Dimensionality Reduction Methods for Eye Movement Data Classification. *Advances in Intelligent Systems and Computing*, **2016**, 291-303	0.4	1
106	Efficient evaluation of small failure probability in high-dimensional groundwater contaminant transport modeling via a two-stage Monte Carlo method. **2017**, 53, 1948-1962		19
105	Large-Scale Feature Selection With Gaussian Mixture Models for the Classification of High Dimensional Remote Sensing Images. **2017**, 3, 230-242		27
104	Applications of machine learning in animal behaviour studies. **2017**, 124, 203-220		185
103	Learning the engagement of query processors for intelligent analytics. **2017**, 46, 96-112		11
102	Reduced-order modelling of parameter-dependent, linear and nonlinear dynamic partial differential equation models. **2017**, 473, 20160809		5
101	Direct Estimation of the Derivative of Quadratic Mutual Information with Application in Supervised Dimension Reduction. **2017**, 29, 2076-2122		7
100	Text Document Classification with PCA and One-Class SVM. *Advances in Intelligent Systems and Computing*, **2017**, 107-115	0.4	6
99	Microstructure under the Microscope:Tools to Survive and Thrive in the Age of (Too Much) Information. **2017**, 12, 5-27		5

98	Data analytics using canonical correlation analysis and Monte Carlo simulation. **2017**, 3,	15
97	Convex optimization learning of faithful Euclidean distance representations in nonlinear dimensionality reduction. **2017**, 164, 341-381	11
96	Feature selection and multiple kernel boosting framework based on PSO with mutation mechanism for hyperspectral classification. **2017**, 220, 181-190	42
95	Feature extraction based on principal component analysis for text categorization. **2017**,	6
94	Constrained subspace estimation via convex optimization. **2017**,	
93	Hybrid control and learning with coresets for autonomous vehicles. **2017**,	1
92	Variable Selection Using Adaptive Band Clustering and Physarum Network. **2017**, 10, 73	3
91	Feature selecting based on fourier series fitting. **2017**,	2
90	Faster discovery of faster system configurations with spectral learning. **2018**, 25, 247-277	19
89	Experimental comparison of functional and multivariate spectral-based supervised classification methods in hyperspectral image. **2018**, 45, 2219-2237	2
88	A recent overview of the state-of-the-art elements of text classification. **2018**, 106, 36-54	119
87	Selected statistical methods of data analysis for multivariate functional data. **2018**, 59, 153-182	25
86	Non-intrusive Forensic Detection Method Using DSWT with Reduced Feature Set for Copy-Move Image Tampering. **2018**, 98, 3039-3057	14
85	Principal Components, Sufficient Dimension Reduction, and Envelopes. **2018**, 5, 533-559	11
84	. **2018**,	4
83	Maximum Gradient Dimensionality Reduction. **2018**,	
82	Bibliography. **2018**, 273-282	
81	Multilinear EigenECGs and FisherECGs for Individual Identification from Information Obtained by an Electrocardiogram Sensor. **2018**, 10, 487	5

80	Raman spectroscopy based analysis of milk using random forest classification. **2018**, 99, 124-129	22
79	Individual Identification using Third-Order Tensor-Based Multilinear FisherECG. **2018**,	
78	Pairwise Constraint Propagation-Induced Symmetric Nonnegative Matrix Factorization. **2018**, 29, 6348-6361	34
77	Visualizing data through curvilinear representations of matrices. **2018**, 128, 255-270	2
76	Supervised Dirichlet Process Mixtures of Principal Component Analysis. **2018**, 305, 15-26	2
75	Particle Swarm Optimization Feature Selection for Breast Cancer Recurrence Prediction. **2018**, 6, 29637-29647	62
74	The perfect marriage and much more: Combining dimension reduction, distance measures and covariance. **2019**, 536, 120938	5
73	Two-stage dimension reduction method for meta-model based slope reliability analysis in spatially variable soils. **2019**, 81, 101872	13
72	Violent crowd behavior detection using deep learning and compressive sensing. **2019**,	5
71	Materials informatics: From the atomic-level to the continuum. **2019**, 168, 473-510	64
70	Gait-based Person Re-identification. **2019**, 52, 1-34	25
69	. **2019**, 67, 3028-3041	8
68	Unsupervised prototype reduction for data exploration and an application to air traffic management initiatives. **2019**, 8, 467-510	1
67	Probabilistic Dimensionality Reduction via Structure Learning. **2019**, 41, 205-219	16
66	Validation of Noninvasive Absolute Intracranial Pressure Measurements in Traumatic Brain Injury and Intracranial Hemorrhage. **2019**, 16, 186-196	7
65	Learning Low-Dimensional Latent Graph Structures: A Density Estimation Approach. **2020**, 31, 1098-1112	2
64	Analysis of operational and mechanical anomalies in scheduled commercial flights using a logarithmic multivariate Gaussian model. **2020**, 110, 20-39	7
63	Extreme pivots: a pivot selection strategy for faster metric search. **2020**, 62, 2349-2382	2

62	A neuro-wavelet based approach for diagnosing bearing defects. **2020**, 46, 101172		7
61	A generic unfolding algorithm for manifolds estimated by local linear approximations. **2020**,		
60	Clustering and Dimensionality-reduction Techniques Applied on Power Quality Measurement Data. **2020**,		2
59	Fast Unsupervised Projection for Large-Scale Data. **2021**, PP,		1
58	Shared component analysis. **2021**, 226, 117614		1
57	High-Throughput Methods in the Discovery and Study of Biomaterials and Materiobiology. **2021**, 121, 4561-4677		45
56	Selective gas detection of H2 and CO by a single MOX-sensor. **2021**, 334, 129376		9
55	A Review of Computer-Aided Expert Systems for Breast Cancer Diagnosis. **2021**, 13,		1
54	Data-driven method for dimension reduction of nonlinear randomly vibrating systems. **2021**, 105, 1297-1311		1
53	A slice of multivariate dimension reduction. **2021**, 188, 104812		1
52	Heterogeneous Large Datasets Integration Using Bayesian Factor Regression. **2021**, -1,		1
51	How to reduce dimension with PCA and random projections?. *IEEE Transactions on Information Theory*, **2021**, 1-1	2.8	2
50	Application of Transfer Learning for Object Detection on Manually Collected Data. *Advances in Intelligent Systems and Computing*, **2020**, 919-931	0.4	2
49	High Dimensional Big Data and Pattern Analysis: A Tutorial. *Lecture Notes in Computer Science*, **2013**, 68-85	0.9	2
48	Manifold Learning in Data Mining Tasks. *Lecture Notes in Computer Science*, **2014**, 119-133	0.9	5
47	Cluster Analysis of Data with Reduced Dimensionality: An Empirical Study. *Advances in Intelligent Systems and Computing*, **2016**, 121-132	0.4	1
46	Single-Channel Audio Source Separation with NMF: Divergences, Constraints and Algorithms. *Signals and Communication Technology*, **2018**, 1-24	0.5	9
45	Mathematics for Machine Learning. **2020**,		65

44	Three-dimensional discrete cosine transform-based feature extraction for hyperspectral image classification. *Journal of Applied Remote Sensing*, **2018**, 12, 1	1.4	14
43	Band clustering using expectation–maximization algorithm and weighted average fusion-based feature extraction for hyperspectral image classification. *Journal of Applied Remote Sensing*, **2018**, 12, 1	1.4	10
42	Notes on Uncertainty, Unintended Consequences and Everything Else. *SSRN Electronic Journal*,	1	9
41	Data Exploration with Selection of Representative Regions: Formulation, Axioms, Methods, and Consistency. *SSRN Electronic Journal*,	1	1
40	Agricultural Crops Classification Models Based on PCA-GA Implementation in Data Mining. *International Journal of Modeling and Optimization*, **2014**, 4, 375-382	0.9	9
39	Evolutionarily informed machine learning enhances the power of predictive gene-to-phenotype relationships. *Nature Communications*, **2021**, 12, 5627	17.4	4
38	Adaptive Metric Dimensionality Reduction. *Lecture Notes in Computer Science*, **2013**, 279-293	0.9	
37	Time and Motion. **2013**, 287-302		
36	Microstructure under the Microscope. *SSRN Electronic Journal*,	1	
35	Improving the Predictability of GRNN Using Fruit Fly Optimization and PCA: The Nile Flood Forecasting. *Advances in Intelligent Systems and Computing*, **2017**, 310-319	0.4	
34	Imitation in the Imitation Game. *SSRN Electronic Journal*,	1	1
33	Computational Methods for Mass Spectrometry Imaging: Challenges, Progress, and Opportunities. *Health Information Science*, **2017**, 37-49	0.1	2
32	Artificial Intelligence: A Child's Play. *SSRN Electronic Journal*,	1	1
31	Unsupervised Prototype Reduction for Data Exploration and An Application to Air Traffic Management Initiatives. *SSRN Electronic Journal*,	1	
30	Comparison of the Effects of Different Dimensional Reduction Algorithms on the Training Performance of Anfis (Adaptive Neuro-Fuzzy Inference System) Model. *Cumhuriyet Science Journal*, 716-730	0.4	1
29	Subtype Identification of Parkinson's Disease Using Sparse Canonical Correlation and Clustering Analysis of Multimodal Neuroimaging. *Communications in Computer and Information Science*, **2019**, 126-136	0.3	
28	A Gentle Introduction to Feature Learning. *Information Fusion and Data Science*, **2020**, 1-12	0.3	0
27	Mathematics for Machine Learning. **2020**, 8-56		

26	Mathematics for Machine Learning. **2020**, 286-313		
25	Mathematics for Machine Learning. **2020**, 225-259		
24	Mathematics for Machine Learning. **2020**, 314-334		
23	Vector Calculus. **2020**, 120-151		
22	Recognizing MNIST Handwritten Data Set Using PCA and LDA. *Algorithms for Intelligent Systems*, **2020**, 169-177	0.5	2
21	Machine Learning Basics. **2020**, 11-23		0
20	Mathematics for Machine Learning. **2020**, 152-200		
19	Mathematics for Machine Learning. **2020**, 3-7		
18	Mathematics for Machine Learning. **2020**, 260-285		
17	Continuous Optimization. **2020**, 201-222		
16	Mathematics for Machine Learning. **2020**, 82-119		
15	Mathematics for Machine Learning. **2020**, 335-356		
14	Mathematics for Machine Learning. **2020**, xv-xviii		
13	Mathematics for Machine Learning. **2020**, 367-372		
12	Analytic Geometry. **2020**, 57-81		
11	Mathematics for Machine Learning. **2020**, xi-xiv		
10	Shared Component Analysis.		0
9	Stress Functions for Unsupervised Dimensionality Reduction. **2022**, 89-118		

8	Data Science Context. **2022**, 1-30		0
7	Gradient-Based Differential Neural-Solution to Time-Dependent Nonlinear Optimization. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	11
6	Environmental assessment coupled with machine learning for circular economy. *Clean Technologies and Environmental Policy*, 1	4.3	1
5	Reconstructibility of Matroid Polytopes. *SIAM Journal on Discrete Mathematics*, **2022**, 36, 490-508	0.7	
4	Local Subspace Pruning (LSP) for Multichannel Data Denoising.		
3	Analysis of the Dimensionality Issues in House Price Forecasting Modeling. **2022**,		1
2	DNNGP, a deep neural network-based method for genomic prediction using multi-omics data in plants. **2022**,		0
1	Recent Progresses in Machine Learning Assisted Raman Spectroscopy.		0