

# Junbin Gao

## List of Publications by Year in descending order

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288  
papers

5,141  
citations

117453

34  
h-index

128067

60  
g-index

294  
all docs

294  
docs citations

294  
times ranked

4157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Parallely Adaptive Graph Convolutional Clustering Model. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-14.	7.2	5
2	CaEGCN: Cross-Attention Fusion Based Enhanced Graph Convolutional Network for Clustering. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3471-3483.	4.0	15
3	Domain Adaptation as Optimal Transport on Grassmann Manifolds. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7196-7209.	7.2	1
4	Graph Decoupling Attention Markov Networks for Semisupervised Graph Node Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9859-9873.	7.2	7
5	Image Segmentation for MR Brain Tumor Detection Using Machine Learning: A Review. IEEE Reviews in Biomedical Engineering, 2023, 16, 70-90.	13.1	53
6	Affective Audio Annotation of Public Speeches with Convolutional Clustering Neural Network. IEEE Transactions on Affective Computing, 2022, 13, 238-249.	5.7	2
7	Dynamic Graph Convolution Network for Traffic Forecasting Based on Latent Network of Laplace Matrix Estimation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1009-1018.	4.7	69
8	An Optimized Temporal-Spatial Gated Graph Convolution Network for Traffic Forecasting. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 153-162.	2.6	5
9	A Decoder-Free Variational Deep Embedding for Unsupervised Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5681-5693.	7.2	4
10	Rank Consistency Induced Multiview Subspace Clustering via Low-Rank Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3157-3170.	7.2	15
11	Improved Variance Reduction Methods for Riemannian Non-Convex Optimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7610-7623.	9.7	7
12	A Sparse Oblique-Manifold Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	3
13	Artificial intelligence (AI) for medical imaging to combat coronavirus disease (COVID-19): a detailed review with direction for future research. Artificial Intelligence Review, 2022, 55, 1409-1439.	9.7	47
14	Probabilistic Linear Discriminant Analysis Based on $L_1$ -Norm and Its Bayesian Variational Inference. IEEE Transactions on Cybernetics, 2022, 52, 1616-1627.	6.2	5
15	Low-rank and sparse representation based learning for cancer survivability prediction. Information Sciences, 2022, 582, 573-592.	4.0	8
16	Neighborhood linear discriminant analysis. Pattern Recognition, 2022, 123, 108422.	5.1	100
17	A survey of the application of graph-based approaches in stock market analysis and prediction. International Journal of Data Science and Analytics, 2022, 14, 1-15.	2.4	16
18	Video Domain Adaptation based on Optimal Transport in Grassmann Manifolds. Information Sciences, 2022, 594, 151-162.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Cross-modal alignment with graph reasoning for image-text retrieval. Multimedia Tools and Applications, 2022, 81, 23615-23632.	2.6	3
20	Shareability-Exclusivity Representation on Product Grassmann Manifolds for Multi-camera video clustering. Journal of Visual Communication and Image Representation, 2022, 84, 103457.	1.7	1
21	Embedding graphs on Grassmann manifold. Neural Networks, 2022, , .	3.3	0
22	How Neural Processes Improve Graph Link Prediction. , 2022, , .		2
23	Logarithmic Schatten-p Norm Minimization for Tensorial Multi-view Subspace Clustering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-1.	9.7	2
24	Hierarchical Graph Convolutional Networks for Structured Long Document Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, , 1-15.	7.2	1
25	Adaptive Fusion of Heterogeneous Manifolds for Subspace Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3484-3497.	7.2	6
26	Deep Coattention-Based Comparator for Relative Representation Learning in Person Re-Identification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 722-735.	7.2	44
27	Learning Adaptive Neighborhood Graph on Grassmann Manifolds for Video/Image-Set Subspace Clustering. IEEE Transactions on Multimedia, 2021, 23, 216-227.	5.2	24
28	Robust Functional Manifold Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 777-787.	7.2	3
29	Optimized Graph Convolution Recurrent Neural Network for Traffic Prediction. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1138-1149.	4.7	174
30	Reweighted Non-convex Non-smooth Rank Minimization Based Spectral Clustering on Grassmann Manifold. Lecture Notes in Computer Science, 2021, , 562-577.	1.0	0
31	Differentiable Neural Architecture Search for High-Dimensional Time Series Forecasting. IEEE Access, 2021, 9, 20922-20932.	2.6	2
32	Coupling matrix manifolds assisted optimization for optimal transport problems. Machine Learning, 2021, 110, 533-558.	3.4	2
33	AKM <sup>3</sup> C: Adaptive K-Multiple-Means for Multi-View Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4214-4226.	5.6	14
34	Stock Ranking Prediction Using List-Wise Approach and Node Embedding Technique. IEEE Access, 2021, 9, 88981-88996.	2.6	11
35	A Spectral Clustering on Grassmann Manifold via Double Low Rank Constraint. , 2021, , .		1
36	Short-Term Lesion Change Detection for Melanoma Screening With Novel Siamese Neural Network. IEEE Transactions on Medical Imaging, 2021, 40, 840-851.	5.4	25

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37	Minimum unbiased risk estimate based 2DPCA for color image denoising. Neurocomputing, 2021, 440, 127-144.	3.5	4
38	Robust Image Representation via Low Rank Locality Preserving Projection. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-22.	2.5	6
39	LSTM-assisted evolutionary self-expressive subspace clustering. International Journal of Machine Learning and Cybernetics, 2021, 12, 2777-2793.	2.3	0
40	Kronecker-decomposable robust probabilistic tensor discriminant analysis. Information Sciences, 2021, 561, 196-210.	4.0	6
41	Fuzzy contrastive learning for online behavior analysis. , 2021, , .		1
42	Stock Movement Prediction on Ex-Dividend Day Using Event Specific Features and Machine Learning Techniques. , 2021, , .		0
43	Learning the Incremental Warp for 3D Vehicle Tracking in LiDAR Point Clouds. Remote Sensing, 2021, 13, 2770.	1.8	3
44	Tensorial Time Series Prediction via Tensor Neural Ordinary Differential Equations. , 2021, , .		1
45	Hierarchical Attention Transformer Networks for Long Document Classification. , 2021, , .		1
46	Efficient sparse subspace clustering by nearest neighbour filtering. Signal Processing, 2021, 185, 108082.	2.1	6
47	Riemannian Stochastic Recursive Momentum Method for non-Convex Optimization. , 2021, , .		1
48	Zero-Shot Text Classification with Semantically Extended Graph Convolutional Network. , 2021, , .		7
49	Low Rank Representation on Product Grassmann Manifolds for Multi-view Subspace Clustering. , 2021, , .		3
50	Regularized Flexible Activation Function Combination for Deep Neural Networks. , 2021, , .		1
51	Complete/incomplete multi-view subspace clustering via soft block-diagonal-induced regulariser. IET Computer Vision, 2021, 15, 618-632.	1.3	1
52	Corporate failure prediction: An evaluation of deep learning vs discrete hazard models. Journal of International Financial Markets, Institutions and Money, 2021, 75, 101455.	2.1	8
53	Extracting depth information from stereo images using a fast correlation matching algorithm. International Journal of Computers and Applications, 2020, 42, 798-803.	0.8	2
54	Matrix-variate variational auto-encoder with applications to image process. Journal of Visual Communication and Image Representation, 2020, 67, 102750.	1.7	3

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55	Nonlinear Logistic Regression Model Based On Simplex Basis Function. , 2020, , .		0
56	HyperTube: A Framework for Population-Based Online Hyperparameter Optimization with Resource Constraints. IEEE Access, 2020, 8, 69038-69057.	2.6	1
57	Semi-blind joint channel estimation and data detection on sphere manifold for MIMO with high-order QAM signaling. Journal of the Franklin Institute, 2020, 357, 5680-5697.	1.9	4
58	On the Trend-corrected Variant of Adaptive Stochastic Optimization Methods. , 2020, , .		1
59	Fine-Grained Age Estimation With Multi-Attention Network. IEEE Access, 2020, 8, 196013-196023.	2.6	2
60	Cluster Developing 1-Bit Matrix Completion. , 2020, , .		0
61	Locality preserving projection based on Euler representation. Journal of Visual Communication and Image Representation, 2020, 70, 102796.	1.7	8
62	Kernel Clustering On Symmetric Positive Definite Manifolds Via Double Approximated Low Rank Representation. , 2020, , .		0
63	Multiview Subspace Clustering via Tensorial t-Product Representation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 851-864.	7.2	126
64	Solving Partial Least Squares Regression via Manifold Optimization Approaches. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 588-600.	7.2	24
65	Deep Attention-Based Spatially Recursive Networks for Fine-Grained Visual Recognition. IEEE Transactions on Cybernetics, 2019, 49, 1791-1802.	6.2	151
66	Unsupervised Learning on Grassmann Manifolds for Big Data. , 2019, , 151-180.		0
67	A hybrid algorithm for low-rank approximation of nonnegative matrix factorization. Neurocomputing, 2019, 364, 129-137.	3.5	3
68	Parametric Classification of Bingham Distributions Based on Grassmann Manifolds. IEEE Transactions on Image Processing, 2019, 28, 5771-5784.	6.0	1
69	Strided fully convolutional neural network for boosting the sensitivity of retinal blood vessels segmentation. Expert Systems With Applications, 2019, 134, 36-52.	4.4	81
70	Branched convolutional neural networks incorporated with Jacobian deep regression for facial landmark detection. Neural Networks, 2019, 118, 127-139.	3.3	14
71	Nonlinear Subspace Clustering via Adaptive Graph Regularized Autoencoder. IEEE Access, 2019, 7, 74122-74133.	2.6	15
72	Deep Learning Models for Retinal Blood Vessels Segmentation: A Review. IEEE Access, 2019, 7, 71696-71717.	2.6	92

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73	Spatial-temporal dynamic hand gesture recognition via hybrid deep learning model. Journal on Multimodal User Interfaces, 2019, 13, 363-371.	2.0	8
74	Retinal Blood Vessels Extraction of Challenging Images. Communications in Computer and Information Science, 2019, , 347-359.	0.4	8
75	Probabilistic Linear Discriminant Analysis With Vectorial Representation for Tensor Data. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2938-2950.	7.2	4
76	Tensor-Train Parameterization for Ultra Dimensionality Reduction. , 2019, , .		0
77	Locality Preserving Projection via Deep Neural Network. , 2019, , .		3
78	Gaussian Process Graph-Based Discriminant Analysis for Hyperspectral Images Classification. Remote Sensing, 2019, 11, 2288.	1.8	5
79	Laplacian Regularized Spatial-Aware Collaborative Graph for Discriminant Analysis of Hyperspectral Imagery. Remote Sensing, 2019, 11, 29.	1.8	16
80	Scalable Proximal Jacobian Iteration Method With Global Convergence Analysis for Nonconvex Unconstrained Composite Optimizations. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2825-2839.	7.2	22
81	Where-and-When to Look: Deep Siamese Attention Networks for Video-Based Person Re-Identification. IEEE Transactions on Multimedia, 2019, 21, 1412-1424.	5.2	150
82	UP-CNN: Un-pooling augmented convolutional neural network. Pattern Recognition Letters, 2019, 119, 34-40.	2.6	21
83	Boosting sensitivity of a retinal vessel segmentation algorithm. Pattern Analysis and Applications, 2019, 22, 583-599.	3.1	25
84	Coupled-learning convolutional neural networks for object recognition. Multimedia Tools and Applications, 2019, 78, 573-589.	2.6	8
85	Sparse Least Squares Low Rank Kernel Machines. Lecture Notes in Computer Science, 2019, , 395-406.	1.0	0
86	Vectorial Dimension Reduction for Tensors Based on Bayesian Inference. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4579-4592.	7.2	11
87	Subspace Clustering via Learning an Adaptive Low-Rank Graph. IEEE Transactions on Image Processing, 2018, 27, 3716-3728.	6.0	80
88	Progressive Hard-Mining Network for Monocular Depth Estimation. IEEE Transactions on Image Processing, 2018, 27, 3691-3702.	6.0	31
89	Localized LRR on Grassmann Manifold: An Extrinsic View. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2524-2536.	5.6	12
90	Fast optimization algorithm on Riemannian manifolds and its application in low-rank learning. Neurocomputing, 2018, 291, 59-70.	3.5	5

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91	Impact of ICA-Based Image Enhancement Technique on Retinal Blood Vessels Segmentation. IEEE Access, 2018, 6, 3524-3538.	2.6	86
92	Estimating the square root of probability density function on Riemannian manifold. Expert Systems, 2018, 38, e12266.	2.9	1
93	Classification of matrix-variate Fisher-Bingham distribution via Maximum Likelihood Estimation using manifold valued data. Neurocomputing, 2018, 295, 72-85.	3.5	4
94	Partial Sum Minimization of Singular Values Representation on Grassmann Manifolds. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-22.	2.5	8
95	Multiview Spectral Clustering via Structured Low-Rank Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4833-4843.	7.2	263
96	Multi-Dimensional Sparse Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 163-178.	9.7	43
97	Low Rank Representation on SPD matrices with Log-Euclidean metric. Pattern Recognition, 2018, 76, 623-634.	5.1	12
98	Deep adaptive feature embedding with local sample distributions for person re-identification. Pattern Recognition, 2018, 73, 275-288.	5.1	135
99	What-and-where to match: Deep spatially multiplicative integration networks for person re-identification. Pattern Recognition, 2018, 76, 727-738.	5.1	100
100	SRNN: Self-regularized neural network. Neurocomputing, 2018, 273, 260-270.	3.5	6
101	On Selecting Effective Patterns for Fast Support Vector Regression Training. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3610-3622.	7.2	18
102	Generative Adversarial Network (GAN) Based Data Augmentation for Palmprint Recognition. , 2018, , .		25
103	Strided U-Net Model: Retinal Vessels Segmentation using Dice Loss. , 2018, , .		41
104	Robust Multinomial Logistic Regression Based on RPCA. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1144-1154.	7.3	27
105	Cyclone Track Prediction with Matrix Neural Networks. , 2018, , .		12
106	Functional Locality Preserving Projection for Dimensionality Reduction. , 2018, , .		0
107	Locally adaptive sparse representation on Riemannian manifolds for robust classification. Neurocomputing, 2018, 310, 69-76.	3.5	11
108	Low-rank structure preserving for unsupervised feature selection. Neurocomputing, 2018, 314, 360-370.	3.5	15

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109	Cascaded Low Rank and Sparse Representation on Grassmann Manifolds. , 2018, , .		8
110	Shared Deep Kernel Learning for Dimensionality Reduction. Lecture Notes in Computer Science, 2018, , 297-308.	1.0	0
111	Robust human detection and localization in security applications. Concurrency Computation Practice and Experience, 2017, 29, e3977.	1.4	6
112	Contrast normalization steps for increased sensitivity of a retinal image segmentation method. Signal, Image and Video Processing, 2017, 11, 1509-1517.	1.7	37
113	Computerised approaches for the detection of diabetic retinopathy using retinal fundus images: a survey. Pattern Analysis and Applications, 2017, 20, 927-961.	3.1	46
114	Finding the samples near the decision plane for support vector learning. Information Sciences, 2017, 382-383, 292-307.	4.0	23
115	A global-local affinity matrix model via EigenGap for graph-based subspace clustering. Pattern Recognition Letters, 2017, 89, 67-72.	2.6	7
116	l1-norm penalised orthogonal forward regression. International Journal of Systems Science, 2017, 48, 2195-2201.	3.7	2
117	Supervised Gaussian Process Latent Variable Model for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1760-1764.	1.4	17
118	Matrix variate RBM model with Gaussian distributions. , 2017, , .		5
119	A Framework of Mixed Sparse Representations for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1210-1221.	2.7	23
120	Laplacian LRR on Product Grassmann Manifolds for Human Activity Clustering in Multicamera Video Surveillance. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 554-566.	5.6	33
121	Log-Euclidean Metrics for Contrast Preserving Decolorization. IEEE Transactions on Image Processing, 2017, 26, 5772-5783.	6.0	23
122	Boosting Sensitivity of a Retinal Vessel Segmentation Algorithm with Convolutional Neural Network. , 2017, , .		34
123	Low-Rank-Sparse Subspace Representation for Robust Regression. , 2017, , .		19
124	Grassmannian Manifold Optimization Assisted Sparse Spectral Clustering. , 2017, , .		13
125	Retinal blood vessel extraction method based on basic filtering schemes. , 2017, , .		6
126	Robust ear biometric recognition using neural network. , 2017, , .		11



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127	L1-2DPCA Revisit via Optimization on Product Manifolds. , 2017, , .		0
128	Biometric Authentication Using Facial Recognition. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 287-295.	0.2	3
129	Assessing the Performance of Deep Learning Algorithms for Newsvendor Problem. Lecture Notes in Computer Science, 2017, , 912-921.	1.0	13
130	Locality Preserving Projections for Grassmann manifold. , 2017, , .		16
131	An Efficient Algorithm for Stereo Correspondence Matching. International Journal of Computer Theory and Engineering, 2017, 9, 69-72.	3.2	3
132	A Nonnegative Projection Based Algorithm for Low-Rank Nonnegative Matrix Approximation. Lecture Notes in Computer Science, 2017, , 240-247.	1.0	0
133	Fast stereo matching with fuzzy correlation. , 2016, , .		5
134	Classification on Stiefel and Grassmann manifolds via maximum Likelihood estimation of matrix distributions. , 2016, , .		1
135	Automatic Retinal Vessel Extraction Algorithm. , 2016, , .		24
136	MLE-Based Learning on Grassmann Manifolds. , 2016, , .		0
137	Role of Image Contrast Enhancement Technique for Ophthalmologist as Diagnostic Tool for Diabetic Retinopathy. , 2016, , .		26
138	Fuzzy rule based approach for face and facial feature extraction in biometric authentication. , 2016, , .		3
139	Automatic retinal vessel extraction algorithm based on contrast-sensitive schemes. , 2016, , .		23
140	Tensor LRR and Sparse Coding-Based Subspace Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2120-2133.	7.2	50
141	Non-Invasive Contrast Normalisation and Denoising Technique for the Retinal Fundus Image. Annals of Data Science, 2016, 3, 265-279.	1.7	9
142	Detection of Human Faces Using Neural Networks. Lecture Notes in Computer Science, 2016, , 690-698.	1.0	0
143	Extended nearest neighbor chain induced instance-weights for SVMs. Pattern Recognition, 2016, 60, 863-874.	5.1	41
144	Modulus Methods for Nonnegatively Constrained Image Restoration. SIAM Journal on Imaging Sciences, 2016, 9, 1226-1246.	1.3	14

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145	Nonparametric tensor dictionary learning with beta process priors. Neurocomputing, 2016, 218, 120-130.	3.5	6
146	Nonparametrically Guided Autoencoder with Laplace Approximation for dimensionality reduction. , 2016, , .		5
147	LRSR: Low-Rank-Sparse representation for subspace clustering. Neurocomputing, 2016, 214, 1026-1037.	3.5	37
148	Neural network based denoised methods for retinal fundus images and MRI brain images. , 2016, , .		6
149	Matrix Variate Restricted Boltzmann Machine. , 2016, , .		5
150	Fuzzy logic based filtering for image de-noising. , 2016, , .		15
151	Manifold optimization for nonnegative coefficient logistic regression. , 2016, , .		1
152	Human detection and localization in secure access control by analysing facial features. , 2016, , .		5
153	Kernel Sparse Subspace Clustering on Symmetric Positive Definite Manifolds. , 2016, , .		66
154	Mixture of Bilateral-Projection Two-Dimensional Probabilistic Principal Component Analysis. , 2016, , .		2
155	Distance Measurement of Objects using Stereo Vision. , 2016, , .		3
156	Ordered Subspace Clustering With Block-Diagonal Priors. IEEE Transactions on Cybernetics, 2016, 46, 3209-3219.	6.2	26
157	Zero Attracting Recursive Least Squares Algorithms. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	20
158	Laplacian Regularized Low-Rank Representation and Its Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 504-517.	9.7	339
159	Multi-loss Regularized Deep Neural Network. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 2273-2283.	5.6	68
160	Heterogeneous Tensor Decomposition for Clustering via Manifold Optimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 476-489.	9.7	52
161	A Fast Algorithm to Estimate the Square Root of Probability Density Function. , 2016, , 165-176.		1
162	Reflectance Prediction Modelling for Residual-Based Hyperspectral Image Coding. PLoS ONE, 2016, 11, e0161212.	1.1	5

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163	Hyperspectral images mapping with group sparse representations. , 2015, , .		0
164	Sparse density estimation on multinomial manifold combining local component analysis. , 2015, , .		1
165	Low Rank Representation on Riemannian Manifold of Symmetric Positive Definite Matrices. , 2015, , .		6
166	Generalized Gaussian reference curve measurement model for high-performance liquid chromatography with diode array detector separation and its solution by multi-target intermittent particle swarm optimization. Journal of Chemometrics, 2015, 29, 146-153.	0.7	7
167	Learning graph structure for multi-label image classification via clique generation. , 2015, , .		28
168	Discriminative Analysis for Symmetric Positive Definite Matrices on Lie Groups. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1576-1585.	5.6	20
169	Low rank sequential subspace clustering. , 2015, , .		4
170	Selective Multi-Source Total Variation Image Restoration. , 2015, , .		3
171	Human Surveillance System for Security Application. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 711-724.	0.2	3
172	Image super-resolution via 2D tensor regression learning. Computer Vision and Image Understanding, 2015, 132, 12-23.	3.0	7
173	Band-Level Correlation Noise Modeling for Wyner's Ziv Video Coding with Gaussian Mixture Models. Circuits, Systems, and Signal Processing, 2015, 34, 2237-2254.	1.2	5
174	Nonlinear low-rank representation on Stiefel manifolds. Electronics Letters, 2015, 51, 749-751.	0.5	9
175	Relations Among Some Low-Rank Subspace Recovery Models. Neural Computation, 2015, 27, 1915-1950.	1.3	23
176	Dual Graph Regularized Latent Low-Rank Representation for Subspace Clustering. IEEE Transactions on Image Processing, 2015, 24, 4918-4933.	6.0	110
177	Nonlinear Identification Using Orthogonal Forward Regression With Nested Optimal Regularization. IEEE Transactions on Cybernetics, 2015, 45, 2925-2936.	6.2	16
178	Sparse Density Estimation on the Multinomial Manifold. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2972-2977.	7.2	15
179	Facial Analysis With a Lie Group Kernel. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1140-1150.	5.6	3
180	Image Outlier Detection and Feature Extraction via L1-Norm-Based 2D Probabilistic PCA. IEEE Transactions on Image Processing, 2015, 24, 4834-4846.	6.0	50

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181	Random spatial subspace clustering. Knowledge-Based Systems, 2015, 74, 106-118.	4.0	8
182	Relevance units machine based dimensional and continuous speech emotion prediction. Multimedia Tools and Applications, 2015, 74, 9983-10000.	2.6	7
183	Low Rank Representation on Grassmann Manifolds. Lecture Notes in Computer Science, 2015, , 81-96.	1.0	12
184	Image Spam Classification Using Neural Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 622-632.	0.2	5
185	Study of the Noise Level in the Colour Fundus Images. Lecture Notes in Computer Science, 2015, , 159-168.	1.0	2
186	Rock Fragment Boundary Detection Using Compressed Random Features. Communications in Computer and Information Science, 2015, , 273-286.	0.4	1
187	Active Class Discovery by Querying Pairwise Label Homogeneity. Lecture Notes in Computer Science, 2015, , 135-140.	1.0	0
188	A Decomposition Model for HPLC-DAD Data Set and Its Solution by Particle Swarm Optimization. Applied Computational Intelligence and Soft Computing, 2014, 2014, 1-10.	1.6	0
189	Image Segmentation Using Dictionary Learning and Compressed Random Features. , 2014, , .		0
190	Image Segmentation Based on Spatially Coherent Gaussian Mixture Model. , 2014, , .		2
191	Image segmentation using random features. , 2014, , .		2
192	Correlated Spatio-Temporal Data Collection in Wireless Sensor Networks Based on Low Rank Matrix Approximation and Optimized Node Sampling. Sensors, 2014, 14, 23137-23158.	2.1	41
193	Affinity Pansharpening and Image Fusion. , 2014, , .		8
194	Optimizing Mask and Dictionary of Compressive Light Field Photography. , 2014, , .		0
195	Tensor Regression Based on Linked Multiway Parameter Analysis. , 2014, , .		3
196	The W-Penalty and Its Application to Alpha Matting with Sparse Labels. , 2014, , .		0
197	Smoothing Security Prices. , 2014, , .		0
198	Separation model of Generalized Reference Curve Measurement for HPLC-DAD and it solution by multi-target Bare Bones Particle Swarm Optimization. , 2014, , .		0

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199	Blocky artifact removal with low-rank matrix recovery. , 2014, , .		2
200	Linear Subspace Learning via sparse dimension reduction. , 2014, , .		0
201	Spatial subspace clustering for drill hole spectral data. Journal of Applied Remote Sensing, 2014, 8, 083644.	0.6	11
202	Fast identification algorithms for Gaussian process model. Neurocomputing, 2014, 133, 25-31.	3.5	2
203	Transfer dimensionality reduction by Gaussian process in parallel. Knowledge and Information Systems, 2014, 38, 567-597.	2.1	0
204	Group subset selection for linear regression. Computational Statistics and Data Analysis, 2014, 75, 39-52.	0.7	8
205	Blind image deblurring via coupled sparse representation. Journal of Visual Communication and Image Representation, 2014, 25, 814-821.	1.7	14
206	Dimensionality reduction assisted tensor clustering. , 2014, , .		6
207	Subspace Clustering for Sequential Data. , 2014, , .		68
208	An Ordered-Patch-Based Image Classification Approach on the Image Grassmannian Manifold. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 728-737.	7.2	18
209	TPSLVM: A Dimensionality Reduction Algorithm Based On Thin Plate Splines. IEEE Transactions on Cybernetics, 2014, 44, 1795-1807.	6.2	17
210	A parallel model of independent component analysis constrained by a 5-parameter reference curve and its solution by multi-target particle swarm optimization. Analytical Methods, 2014, 6, 2679.	1.3	5
211	Joint multiple dictionary learning for Tensor sparse coding. , 2014, , .		9
212	Tensor LRR based subspace clustering. , 2014, , .		8
213	Complex-Valued B-Spline Neural Networks for Modeling and Inverting Hammerstein Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1673-1685.	7.2	29
214	Fuzzy c-means clustering with a new regularization term for image segmentation. , 2014, , .		1
215	Robust latent low rank representation for subspace clustering. Neurocomputing, 2014, 145, 369-373.	3.5	55
216	Linear time Principal Component Pursuit and its extensions using $\hat{\alpha}$ ,"1 filtering. Neurocomputing, 2014, 142, 529-541.	3.5	82

#	ARTICLE	IF	CITATIONS
217	Estimation of Gaussian process regression model using probability distance measures. <i>Systems Science and Control Engineering</i> , 2014, 2, 655-663.	1.8	7
218	An improved independent component analysis model for 3D chromatogram separation and its solution by multi-areas genetic algorithm. <i>BMC Bioinformatics</i> , 2014, 15, S8.	1.2	4
219	Gaussian Processes Autoencoder for Dimensionality Reduction. <i>Lecture Notes in Computer Science</i> , 2014, , 62-73.	1.0	13
220	Filtering financial time series by least squares. <i>International Journal of Machine Learning and Cybernetics</i> , 2013, 4, 149-154.	2.3	5
221	On the construction of the relevance vector machine based on Bayesian Ying-Yang harmony learning. <i>Neural Networks</i> , 2013, 48, 173-179.	3.3	3
222	Image Matting for Sparse User Input by Iterative Refinement. , 2013, , .		2
223	Restricted Boltzmann machine approach to couple dictionary training for image super-resolution. , 2013, , .		9
224	Sparse model construction using coordinate descent optimization. , 2013, , .		1
225	UND: Unite-and-Divide Method in Fourier and Radon Domains for Line Segment Detection. <i>IEEE Transactions on Image Processing</i> , 2013, 22, 2501-2506.	6.0	4
226	Dimensionality Reduction with Dimension Selection. <i>Lecture Notes in Computer Science</i> , 2013, , 508-519.	1.0	1
227	Particle swarm optimisation assisted classification using elastic net prefiltering. <i>Neurocomputing</i> , 2013, 122, 210-220.	3.5	4
228	A new super resolution method based on combined sparse representations for remote sensing imagery. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
229	Parallel model of independent component analysis constrained by reference curves for HPLC-DAD and its solution by multi-areas genetic algorithm. , 2013, , .		2
230	Robust face recognition via double low-rank matrix recovery for feature extraction. , 2013, , .		22
231	Large scale hyperspectral data segmentation by random spatial subspace clustering. , 2013, , .		1
232	Automatic segmentation of equine larynx for diagnosis of laryngeal hemiplegia. , 2013, , .		0
233	Endmember Extraction by Exemplar Finder. <i>Lecture Notes in Computer Science</i> , 2013, , 501-512.	1.0	0
234	Multi-view video compression using dynamic background frame and 3D motion estimation. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
235	Robot learning by a mining tunnel inspection robot. , 2012, , .		2
236	Supervised Latent Linear Gaussian Process Latent Variable Model for Dimensionality Reduction. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1620-1632.	5.5	30
237	The Image Matting Method with Regularized Matte. , 2012, , .		5
238	Natural Image Matting with Total Variation Regularisation. , 2012, , .		1
239	Thin Plate Spline Latent Variable Models for dimensionality reduction. , 2012, , .		0
240	Transposed Low Rank Representation for Image Classification. , 2012, , .		8
241	Optimizing the moving average. , 2012, , .		2
242	CAIRAD: A co-appearance based analysis for Incorrect Records and Attribute-values Detection. , 2012, , .		13
243	3D motion estimation for 3D video coding. , 2012, , .		5
244	Dimensionality reduction via compressive sensing. Pattern Recognition Letters, 2012, 33, 1163-1170.	2.6	29
245	Constrained Grouped Sparsity. Lecture Notes in Computer Science, 2012, , 433-444.	1.0	1
246	Image Matting via Local Tangent Space Alignment. , 2011, , .		4
247	Multi-task beta process sparse kernel machines. , 2011, , .		0
248	Classification of Hand-Written Digits Using Chordigrams. , 2011, , .		2
249	Gaussian Process for Dimensionality Reduction in Transfer Learning. , 2011, , .		4
250	A novel approach in discovering significant interactions from TCM patient prescription data. International Journal of Data Mining and Bioinformatics, 2011, 5, 353.	0.1	32
251	Analysis of herbal formulation in TCM: Infertility as a case study. , 2011, , .		2
252	Application of Learning from Demonstration to a Mining Tunnel Inspection Robot. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
253	CONTENT-BASED IMAGE RETRIEVAL OF CULTURAL HERITAGE SYMBOLS BY INTERACTION OF VISUAL PERSPECTIVES. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 643-673.	0.7	8
254	Local Feature Based Tensor Kernel for Image Manifold Learning. Lecture Notes in Computer Science, 2011, , 544-554.	1.0	0
255	Sparse kernel learning with LASSO and Bayesian inference algorithm. Neural Networks, 2010, 23, 257-264.	3.3	127
256	Efficient character segmentation on car license plates. , 2010, , .		2
257	A LEARNING FRAMEWORK FOR ADAPTIVE FINGERPRINT IDENTIFICATION USING RELEVANCE FEEDBACK. International Journal of Pattern Recognition and Artificial Intelligence, 2010, 24, 15-38.	0.7	7
258	Learning Gradients with Gaussian Processes. Lecture Notes in Computer Science, 2010, , 113-124.	1.0	0
259	Relevance Units Latent Variable Model and Nonlinear Dimensionality Reduction. IEEE Transactions on Neural Networks, 2010, 21, 123-135.	4.8	13
260	Analysis of synergistic and antagonistic effects of TCM: Cases on diabetes and insomnia. , 2010, , .		2
261	Studying herb-herb interaction for insomnia through the theory of complementarities. , 2010, , .		0
262	COMPREHENSIVE ANALYSIS FOR THE LOCAL FISHER DISCRIMINANT ANALYSIS. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 1129-1143.	0.7	6
263	Robust multivariate L1 principal component analysis and dimensionality reduction. Neurocomputing, 2009, 72, 1242-1249.	3.5	14
264	Relevance units machine based on Akaike's information criterion. , 2009, , .		1
265	A User-Centered Framework for Adaptive Fingerprint Identification. Lecture Notes in Computer Science, 2009, , 89-100.	1.0	2
266	Regularized Kernel Local Linear Embedding on Dimensionality Reduction for Non-vectorial Data. Lecture Notes in Computer Science, 2009, , 240-249.	1.0	1
267	Twin Kernel Embedding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1490-1495.	9.7	20
268	Novel methods for high-resolution facial image capture using calibrated PTZ and static cameras. , 2008, , .		3
269	Robust L1 Principal Component Analysis and Its Bayesian Variational Inference. Neural Computation, 2008, 20, 555-572.	1.3	79
270	Prediction of student actions using weighted Markov models. , 2008, , .		2



#	ARTICLE	IF	CITATIONS
271	L1 LASSO Modeling and Its Bayesian Inference. Lecture Notes in Computer Science, 2008, , 318-324.	1.0	0
272	Twin Kernel Embedding with Back Constraints. , 2007, , .		5
273	Simulated maximum likelihood method for estimating kinetic rates in gene expression. Bioinformatics, 2007, 23, 84-91.	1.8	94
274	Learning framework for examiner-centric fingerprint classification using spectral features. , 2007, , .		0
275	Robust L1 PCA and application in image denoising. Proceedings of SPIE, 2007, , .	0.8	0
276	Visualization of Protein Structure Relationships Using Twin Kernel Embedding. , 2007, , .		1
277	Learning Out-Of Sample Mapping in Non-Vectorial Data Reduction using Constrained Twin Kernel Embedding. , 2007, , .		1
278	A new algorithm for removing node overlapping in graph visualization. Information Sciences, 2007, 177, 2821-2844.	4.0	37
279	Significant vector learning to construct sparse kernel regression models. Neural Networks, 2007, 20, 791-798.	3.3	18
280	Mixture of the Robust L1 Distributions and Its Applications. , 2007, , 26-35.		2
281	Twin Kernel Embedding with Relaxed Constraints on Dimensionality Reduction for Structured Data. , 2007, , 659-663.		0
282	Visualization of Non-vectorial Data Using Twin Kernel Embedding. , 2006, , .		8
283	Kernel Laplacian Eigenmaps for Visualization of Non-vectorial Data. Lecture Notes in Computer Science, 2006, , 1179-1183.	1.0	16
284	E-procurement assimilation. , 2005, , .		3
285	Adapting Kernels by Variational Approach in SVM. Lecture Notes in Computer Science, 2002, , 395-406.	1.0	2
286	<title>Kernel method in pattern recognition and classification</title>. , 2001, , .		0
287	Manifold Optimization-Assisted Gaussian Variational Approximation. Journal of Computational and Graphical Statistics, 0, , 1-12.	0.9	5
288	Multi-view subspace clustering with incomplete graph information. IET Computer Vision, 0, , .	1.3	0