

# Jian Yang

## List of Publications by Year in descending order

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238  
papers

12,979  
citations

100601

38  
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71088

80  
g-index

242  
all docs

242  
docs citations

242  
times ranked

9449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Spatial Feature Learning for Weakly Supervised Object Detection. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 961-972.	7.2	6
2	Cost-Effective Incremental Deep Model: Matching Model Capacity With the Least Sampling. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3575-3588.	4.0	6
3	Efficient Specular Glints Rendering With Differentiable Regularization. IEEE Transactions on Visualization and Computer Graphics, 2023, 29, 2940-2949.	2.9	0
4	3D human pose and shape estimation with dense correspondence from a single depth image. Visual Computer, 2023, 39, 429-441.	2.5	5
5	Incorporating Linear Regression Problems Into an Adaptive Framework With Feasible Optimizations. IEEE Transactions on Multimedia, 2023, 25, 4041-4051.	5.2	8
6	They are Not Completely Useless: Towards Recycling Transferable Unlabeled Data for Class-Mismatched Semi-Supervised Learning. IEEE Transactions on Multimedia, 2023, 25, 1844-1857.	5.2	5
7	Generalized Nonconvex Nonsmooth Low-Rank Matrix Recovery Framework With Feasible Algorithm Designs and Convergence Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5342-5353.	7.2	8
8	Global Convergence Guarantees of (A)GIST for a Family of Nonconvex Sparse Learning Problems. IEEE Transactions on Cybernetics, 2022, 52, 3276-3288.	6.2	15
9	Joint Optimal Transport With Convex Regularization for Robust Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 1553-1564.	6.2	15
10	Homography-Based Minimal-Case Relative Pose Estimation With Known Gravity Direction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 196-210.	9.7	14
11	Laplacian Welsch Regularization for Robust Semisupervised Learning. IEEE Transactions on Cybernetics, 2022, 52, 164-177.	6.2	17
12	Dual Interactive Graph Convolutional Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	23
13	MSCFNet: A Lightweight Network With Multi-Scale Context Fusion for Real-Time Semantic Segmentation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25489-25499.	4.7	50
14	Feature Selection Boosted by Unselected Features. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4562-4574.	7.2	17
15	Self-Teaching Video Object Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1623-1637.	7.2	0
16	Hierarchical Deep CNN Feature Set-Based Representation Learning for Robust Cross-Resolution Face Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2550-2560.	5.6	28
17	Autoencoder-Based Latent Block-Diagonal Representation for Subspace Clustering. IEEE Transactions on Cybernetics, 2022, 52, 5408-5418.	6.2	9
18	Centroid Estimation With Guaranteed Efficiency: A General Framework for Weakly Supervised Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2841-2855.	9.7	17

#	ARTICLE	IF	CITATIONS
19	Dynamic Spectralâ€“Spatial Poisson Learning for Hyperspectral Image Classification With Extremely Scarce Labels. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	5
20	Neighborhood linear discriminant analysis. Pattern Recognition, 2022, 123, 108422.	5.1	100
21	Fine-Grained Image Analysis With Deep Learning: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 8927-8948.	9.7	90
22	Building a Stereo and Wide-View Hybrid RGB/FIR Imaging System for Autonomous Vehicle. IEEE Sensors Journal, 2022, 22, 1638-1651.	2.4	3
23	Capitalizing on RGB-FIR Hybrid Imaging for Road Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13819-13834.	4.7	2
24	Visual Micro-Pattern Propagation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, PP, 1-1.	9.7	0
25	Fast and Lightweight Network for Single Frame Structured Illumination Microscopy Super-Resolution. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	5
26	Dual Convolutional Neural Networks for Low-Level Vision. International Journal of Computer Vision, 2022, 130, 1440-1458.	10.9	22
27	Multi-level graph learning network for hyperspectral image classification. Pattern Recognition, 2022, 129, 108705.	5.1	20
28	Intention-Aware Vehicle Trajectory Prediction Based on Spatial-Temporal Dynamic Attention Network for Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19471-19483.	4.7	38
29	Class-Wise Denoising for Robust Learning under Label Noise. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-1.	9.7	2
30	Generalized Focal Loss: Towards Efficient Representation Learning for Dense Object Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-14.	9.7	12
31	Global Manifold Learning for Interactive Image Segmentation. IEEE Transactions on Multimedia, 2021, 23, 3239-3249.	5.2	7
32	Interactive Image Segmentation Based on Label Pair Diffusion. IEEE Transactions on Industrial Informatics, 2021, 17, 135-146.	7.2	4
33	Hyperspectral Image Classification With Context-Aware Dynamic Graph Convolutional Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 597-612.	2.7	113
34	Effective quaternion radial harmonic Fourier moments for color image representation. Signal, Image and Video Processing, 2021, 15, 93-101.	1.7	4
35	Dynamic human body reconstruction and motion tracking with low-cost depth cameras. Visual Computer, 2021, 37, 603-618.	2.5	11
36	$\hat{l}^1$ -Norm-Based Robust Regression With Applications to Image Analysis. IEEE Transactions on Cybernetics, 2021, 51, 3371-3383.	6.2	7

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37	Constructing multilayer locality-constrained matrix regression framework for noise robust face super-resolution. Pattern Recognition, 2021, 110, 107539.	5.1	29
38	Lane Marking Regression From Confidence Area Detection to Field Inference. IEEE Transactions on Intelligent Vehicles, 2021, 6, 47-56.	9.4	7
39	Learning to Acquire the Quality of Human Pose Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1555-1568.	5.6	13
40	Hierarchical Long Short-Term Concurrent Memory for Human Interaction Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1110-1118.	9.7	103
41	Loss Decomposition and Centroid Estimation for Positive and Unlabeled Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 918-932.	9.7	27
42	A two-step approach to Lidar-Camera calibration. , 2021, , .		1
43	Network Cooperation with Progressive Disambiguation for Partial Label Learning. Lecture Notes in Computer Science, 2021, , 471-488.	1.0	4
44	Estimating Human Pose Efficiently by Parallel Pyramid Networks. IEEE Transactions on Image Processing, 2021, 30, 6785-6800.	6.0	15
45	Guided Attention in CNNs for Occluded Pedestrian Detection and Re-identification. International Journal of Computer Vision, 2021, 129, 1875-1892.	10.9	14
46	Cost-sensitive positive and unlabeled learning. Information Sciences, 2021, 558, 229-245.	4.0	12
47	Improved multi-scale dynamic feature encoding network for image demoirÃ©ing. Pattern Recognition, 2021, 116, 107970.	5.1	13
48	Norm-Aware Embedding for Efficient Person Search and Tracking. International Journal of Computer Vision, 2021, 129, 3154-3168.	10.9	8
49	Learnable low-rank latent dictionary for subspace clustering. Pattern Recognition, 2021, 120, 108142.	5.1	17
50	Instance-Dependent Positive and Unlabeled Learning with Labeling Bias Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	6
51	Corporate Relative Valuation using Heterogeneous Multi-Modal Graph Neural Network. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	3
52	DAPC-Net: Deformable Alignment and Pyramid Context Completion Networks for Video Inpainting. IEEE Signal Processing Letters, 2021, 28, 1145-1149.	2.1	11
53	Constrained Online Cut-Paste for Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4071-4083.	5.6	7
54	A general elimination strategy for camera motion estimation. , 2021, , .		1

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55	Globally Optimal Relative Pose Estimation with Gravity Prior. , 2021, , .		9
56	Double Relaxed Regression for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 307-319.	5.6	29
57	Multi-Manifold Positive and Unlabeled Learning for Visual Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1396-1409.	5.6	17
58	Line-CNN: End-to-End Traffic Line Detection With Line Proposal Unit. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 248-258.	4.7	128
59	Adversarial Learning of Structure-Aware Fully Convolutional Networks for Landmark Localization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1654-1669.	9.7	22
60	Multi-task learning for object keypoints detection and classification. Pattern Recognition Letters, 2020, 130, 182-188.	2.6	5
61	Harnessing Side Information for Classification Under Label Noise. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3178-3192.	7.2	13
62	Joint Task-Recursive Learning for RGB-D Scene Understanding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2608-2623.	9.7	16
63	Low-Rank Matrix Recovery via Modified Schatten- $p$ Norm Minimization With Convergence Guarantees. IEEE Transactions on Image Processing, 2020, 29, 3132-3142.	6.0	39
64	Integrating prediction and reconstruction for anomaly detection. Pattern Recognition Letters, 2020, 129, 123-130.	2.6	130
65	Walk-Steered Convolution for Graph Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4553-4566.	7.2	7
66	Multiscale Dynamic Graph Convolutional Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3162-3177.	2.7	279
67	Weakly-supervised Semantic Guided Hashing for Social Image Retrieval. International Journal of Computer Vision, 2020, 128, 2265-2278.	10.9	141
68	Cross-Graph Convolution Learning for Large-Scale Text-Picture Shopping Guide in E-Commerce Search. , 2020, , .		4
69	Perceiving heavily occluded human poses by assigning unbiased score. Information Sciences, 2020, 537, 284-301.	4.0	6
70	Channel Attention Based Generative Network for Robust Visual Tracking. , 2020, , .		1
71	Image decomposition based matrix regression with applications to robust face recognition. Pattern Recognition, 2020, 102, 107204.	5.1	17
72	Hierarchical Semantic Propagation for Object Detection in Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4353-4364.	2.7	46

#	ARTICLE	IF	CITATIONS
73	LiDAR Iris for Loop-Closure Detection. , 2020, , .		86
74	Lane Detection Combining Details and Integrity: an Advanced Method for Lane Detection. , 2020, , .		1
75	Zero-Shot Image Super-Resolution with Depth Guided Internal Degradation Learning. Lecture Notes in Computer Science, 2020, , 265-280.	1.0	23
76	Frontier Detection and Reachability Analysis for Efficient 2D Graph-SLAM Based Active Exploration. , 2020, , .		11
77	A Fast and Accurate Matrix Completion Method Based on QR Decomposition and $\ L_{2,1}\ $ Norm Minimization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 803-817.	7.2	20
78	Obstacle Detection by Fusing Point Clouds and Monocular Image. Neural Processing Letters, 2019, 49, 1007-1019.	2.0	13
79	Gaussian-Induced Convolution for Graphs. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4007-4014.	3.6	13
80	Build your own hybrid thermal/EO camera for autonomous vehicle. , 2019, , .		6
81	Multi-Modal Curriculum Learning over Graphs. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-25.	2.9	15
82	Hashing Graph Convolution for Node Classification. , 2019, , .		6
83	Feature-Attentioned Object Detection in Remote Sensing Imagery. , 2019, , .		97
84	A Precise and Robust Segmentation-Based Lidar Localization System for Automated Urban Driving. Remote Sensing, 2019, 11, 1348.	1.8	36
85	Efficient Recovery of Low-Rank Matrix via Double Nonconvex Nonsmooth Rank Minimization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2916-2925.	7.2	35
86	Nesting-structured nuclear norm minimization for spatially correlated matrix variate. Pattern Recognition, 2019, 91, 147-161.	5.1	1
87	Manifold Criterion Guided Transfer Learning via Intermediate Domain Generation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3759-3773.	7.2	82
88	Large-Margin Label-Calibrated Support Vector Machines for Positive and Unlabeled Learning. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3471-3483.	7.2	39
89	Selective Kernel Networks. , 2019, , .		1,316
90	An Efficient Solution to the Homography-Based Relative Pose Problem With a Common Reference Direction. , 2019, , .		19

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91	Two-View Fusion based Convolutional Neural Network for Urban Road Detection. , 2019, , .		20
92	Integrating Dense LiDAR-Camera Road Detection Maps by a Multi-Modal CRF Model. IEEE Transactions on Vehicular Technology, 2019, 68, 11635-11645.	3.9	16
93	Si-GCN: Structure-induced Graph Convolution Network for Skeleton-based Action Recognition. , 2019, , .		21
94	Probabilistic Diffusion for Interactive Image Segmentation. IEEE Transactions on Image Processing, 2019, 28, 330-342.	6.0	38
95	An Illumination-Invariant Nonparametric Model for Urban Road Detection. IEEE Transactions on Intelligent Vehicles, 2019, 4, 14-23.	9.4	9
96	Histograms of the Normalized Inverse Depth and Line Scanning for Urban Road Detection. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3070-3080.	4.7	12
97	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
98	Robust unsupervised feature selection by nonnegative sparse subspace learning. Neurocomputing, 2019, 334, 156-171.	3.5	26
99	UP-CNN: Un-pooling augmented convolutional neural network. Pattern Recognition Letters, 2019, 119, 34-40.	2.6	21
100	LRR for Subspace Segmentation via Tractable Schatten- $p$ Norm Minimization and Factorization. IEEE Transactions on Cybernetics, 2019, 49, 1722-1734.	6.2	63
101	Importance-Aware Semantic Segmentation for Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 137-148.	4.7	76
102	Ensemble Teaching for Hybrid Label Propagation. IEEE Transactions on Cybernetics, 2019, 49, 388-402.	6.2	28
103	Coupled-learning convolutional neural networks for object recognition. Multimedia Tools and Applications, 2019, 78, 573-589.	2.6	8
104	Positive and Unlabeled Learning with Label Disambiguation. , 2019, , .		20
105	Progressive Hard-Mining Network for Monocular Depth Estimation. IEEE Transactions on Image Processing, 2018, 27, 3691-3702.	6.0	31
106	A new recurrent neural network with noise-tolerance and finite-time convergence for dynamic quadratic minimization. Neurocomputing, 2018, 285, 125-132.	3.5	55
107	Vanishing Point Constrained Lane Detection With a Stereo Camera. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2739-2744.	4.7	40
108	Power and Bandwidth Allocation for Cognitive Heterogeneous Multi-Homing Networks. IEEE Transactions on Communications, 2018, 66, 394-403.	4.9	12

#	ARTICLE	IF	CITATIONS
109	An adaptive line search scheme for approximated nuclear norm based matrix regression. Neurocomputing, 2018, 289, 23-31.	3.5	3
110	Speedup Techniques for Multiobjective Integer Programs in Designing Optimal and Structurally Simple Supervisors of AMS. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 77-88.	5.9	27
111	L1-Norm Distance Linear Discriminant Analysis Based on an Effective Iterative Algorithm. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 114-129.	5.6	83
112	A Regularization Approach for Instance-Based Superset Label Learning. IEEE Transactions on Cybernetics, 2018, 48, 967-978.	6.2	75
113	Discriminative Block-Diagonal Representation Learning for Image Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3111-3125.	7.2	104
114	Security-Aware Resource Allocation With Delay Constraint for NOMA-Based Cognitive Radio Network. IEEE Transactions on Information Forensics and Security, 2018, 13, 366-376.	4.5	50
115	SRNN: Self-regularized neural network. Neurocomputing, 2018, 273, 260-270.	3.5	6
116	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
117	Robust $\ell_{2,1}$ Norm-Based Sparse Dictionary Coding Regularization of Homogenous and Heterogenous Graph Embeddings for Image Classifications. Neural Processing Letters, 2018, 47, 1149-1175.	2.0	3
118	Matrix completion via capped nuclear norm. IET Image Processing, 2018, 12, 959-966.	1.4	11
119	FSRNet: End-to-End Learning Face Super-Resolution with Facial Priors. , 2018, , .		308
120	Action Recognition with Spatial-Temporal Representation Analysis Across Grassmannian Manifold and Euclidean Space. , 2018, , .		0
121	Nonparametric Bayesian Correlated Group Regression With Applications to Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5330-5344.	7.2	12
122	Discriminative Deep Quantization Hashing for Face Image Retrieval. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6154-6162.	7.2	59
123	Deep hierarchical guidance and regularization learning for end-to-end depth estimation. Pattern Recognition, 2018, 83, 430-442.	5.1	45
124	Locality and context-aware top-down saliency. IET Image Processing, 2018, 12, 400-407.	1.4	2
125	Bufferless Transmission in Complex Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 893-897.	2.2	9
126	A Fusion Model for Road Detection based on Deep Learning and Fully Connected CRF. , 2018, , .		9



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127	3-D LiDAR + Monocular Camera: An Inverse-Depth-Induced Fusion Framework for Urban Road Detection. IEEE Transactions on Intelligent Vehicles, 2018, 3, 351-360.	9.4	40
128	Teaching Semi-Supervised Classifier via Generalized Distillation. , 2018, , .		18
129	Positive and Unlabeled Learning via Loss Decomposition and Centroid Estimation. , 2018, , .		18
130	Nuclear Norm Based Matrix Regression with Applications to Face Recognition with Occlusion and Illumination Changes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 156-171.	9.7	273
131	Sparseness Analysis in the Pretraining of Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1425-1438.	7.2	52
132	Weighted sparse coding regularized nonconvex matrix regression for robust face recognition. Information Sciences, 2017, 394-395, 1-17.	4.0	27
133	Traffic congestion and the lifetime of networks with moving nodes. Physical Review E, 2017, 95, 012322.	0.8	13
134	Accurate and Efficient Inspection of Speckle and Scratch Defects on Surfaces of Planar Products. IEEE Transactions on Industrial Informatics, 2017, 13, 1855-1865.	7.2	51
135	Bi-weighted robust matrix regression for face recognition. Neurocomputing, 2017, 237, 375-387.	3.5	6
136	Nonconvex relaxation based matrix regression for face recognition with structural noise and mixed noise. Neurocomputing, 2017, 269, 188-198.	3.5	21
137	Learning robust and discriminative low-rank representations for face recognition with occlusion. Pattern Recognition, 2017, 66, 129-143.	5.1	95
138	Finding the samples near the decision plane for support vector learning. Information Sciences, 2017, 382-383, 292-307.	4.0	23
139	Low-Rank Latent Pattern Approximation with Applications to Robust Image Classification. IEEE Transactions on Image Processing, 2017, 26, 1-1.	6.0	17
140	Lidar-histogram for fast road and obstacle detection. , 2017, , .		71
141	Incorporating neighborsâ€™ distribution knowledge into support vector machines. Soft Computing, 2017, 21, 6407-6420.	2.1	6
142	Robust Image Regression Based on the Extended Matrix Variate Power Exponential Distribution of Dependent Noise. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2168-2182.	7.2	37
143	Image Super-Resolution via Deep Recursive Residual Network. , 2017, , .		1,400
144	MemNet: A Persistent Memory Network for Image Restoration. , 2017, , .		1,110

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145	Learning with Inadequate and Incorrect Supervision. , 2017, , .		24
146	Adversarial PoseNet: A Structure-Aware Convolutional Network for Human Pose Estimation. , 2017, , .		217
147	Lidar-based urban road detection by histograms of normalized inverse depths and line scanning. , 2017, , .		14
148	Split and Merge for Accurate Plane Segmentation in RGB-D Images. , 2017, , .		5
149	Transferring digit classifier's features to a traffic sign detector. , 2017, , .		4
150	Learning Pairwise-Similarity Guided Sparse Functional Connectivity Network for MCI Classification. , 2017, 2017, 917-922.		1
151	Learning a Smart Convolutional Neural Network with High-Level Semantic Information. , 2017, , .		0
152	Exploring deep gradient information for biometric image feature representation. Neurocomputing, 2016, 213, 162-171.	3.5	11
153	Object segmentation using low-rank representation with multiple block-diagonal priors. , 2016, , .		0
154	Face alignment with Cascaded Bidirectional LSTM Neural Networks. , 2016, , .		4
155	Adaptive noise dictionary construction via IRRPCA for face recognition. Pattern Recognition, 2016, 59, 26-41.	5.1	13
156	Tree-Structured Nuclear Norm Approximation With Applications to Robust Face Recognition. IEEE Transactions on Image Processing, 2016, 25, 5757-5767.	6.0	15
157	Learning Fast Low-Rank Projection for Image Classification. IEEE Transactions on Image Processing, 2016, 25, 4803-4814.	6.0	26
158	Double Low Rank Matrix Recovery for Saliency Fusion. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	11
159	Volume measurement based tensor completion. , 2016, , .		1
160	Dual approximated nuclear norm based matrix regression via adaptive line search scheme. , 2016, , .		0
161	Robust Joint Feature Weights Learning Framework. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1327-1339.	4.0	27
162	Information transport in multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 261-269.	1.2	26

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163	Relative density degree induced boundary detection for one-class SVM. <i>Soft Computing</i> , 2016, 20, 4473-4485.	2.1	13
164	Learning discriminative singular value decomposition representation for face recognition. <i>Pattern Recognition</i> , 2016, 50, 1-16.	5.1	21
165	Robust Face Recognition via Multi-Scale Patch-Based Matrix Regression. <i>PLoS ONE</i> , 2016, 11, e0159945.	1.1	4
166	Locality-constrained group sparse coding regularized NMR for robust face recognition. , 2015, , .		1
167	Robust nuclear norm regularized regression for face recognition with occlusion. <i>Pattern Recognition</i> , 2015, 48, 3145-3159.	5.1	131
168	Deep Convolutional Neural Network and Multi-view Stacking Ensemble in Ali Mobile Recommendation Algorithm Competition: The Solution to the Winning of Ali Mobile Recommendation Algorithm. , 2015, , .		7
169	Robust Matrix Regression for Illumination and Occlusion Tolerant Face Recognition. , 2015, , .		1
170	Facial landmark detection via pose-induced auto-encoder networks. , 2015, , .		4
171	Nuclear Norm-Based 2-DPCA for Extracting Features From Images. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 2247-2260.	7.2	76
172	Locality preserving score for joint feature weights learning. <i>Neural Networks</i> , 2015, 69, 126-134.	3.3	9
173	Inhomogeneity-embedded active contour for natural image segmentation. <i>Pattern Recognition</i> , 2015, 48, 2513-2529.	5.1	47
174	A Survey of Sparse Representation: Algorithms and Applications. <i>IEEE Access</i> , 2015, 3, 490-530.	2.6	888
175	Matrix Variate Distribution-Induced Sparse Representation for Robust Image Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 2291-2300.	7.2	34
176	Nuclear-L1 norm joint regression for face reconstruction and recognition with mixed noise. <i>Pattern Recognition</i> , 2015, 48, 3811-3824.	5.1	44
177	General Regression and Representation Model for Classification. <i>PLoS ONE</i> , 2014, 9, e115214.	1.1	2
178	An improved robust and sparse twin support vector regression via $\hat{A}$ -linear programming. <i>Soft Computing</i> , 2014, 18, 2335-2348.	2.1	19
179	Region Tree Based Sparse Model for Optical Flow Estimation. , 2014, , .		0
180	Sparse Representation Preserving for Unsupervised Feature Selection. , 2014, , .		1

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181	Nuclear Norm Regularized Sparse Coding. , 2014, , .		10
182	Robust Low-Rank Regularized Regression for Face Recognition with Occlusion. , 2014, , .		20
183	An Improved Linear Discriminant Analysis with L1-Norm for Robust Feature Extraction. , 2014, , .		22
184	A novel multiphase active contour model for inhomogeneous image segmentation. Multimedia Tools and Applications, 2014, 72, 2321-2337.	2.6	7
185	Medianâ€mean line based discriminant analysis. Neurocomputing, 2014, 123, 233-246.	3.5	17
186	Tunable path centrality: Quantifying the importance of paths in networks. Physica A: Statistical Mechanics and Its Applications, 2014, 405, 267-277.	1.2	3
187	Continuous attractors of higher-order recurrent neural networks with infinite neurons. Neurocomputing, 2014, 131, 388-396.	3.5	5
188	Histogram of visual words based on locally adaptive regression kernels descriptors for image feature extraction. Neurocomputing, 2014, 129, 516-527.	3.5	5
189	Learning discriminative low-rank representation for image classification. , 2014, , .		10
190	Neighborsâ€™ distribution property and sample reduction for support vector machines. Applied Soft Computing Journal, 2014, 16, 201-209.	4.1	22
191	Discriminative histograms of local dominant orientation (D-HLDO) for biometric image feature extraction. Pattern Recognition, 2013, 46, 2724-2739.	5.1	49
192	Low-Rank Matrix Completion Based on Maximum Likelihood Estimation. , 2013, , .		0
193	Nuclear Norm Based 2DPCA. , 2013, , .		3
194	Regularized Robust Coding for Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 1753-1766.	6.0	243
195	Sparse Representation Classifier Steered Discriminative Projection With Applications to Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1023-1035.	7.2	184
196	Saliencyâ€based localising active contour for automatic natural object segmentation. IET Image Processing, 2013, 7, 787-794.	1.4	6
197	General Regression and Representation Model for Face Recognition. , 2013, , .		7
198	Weighted linear embedding: utilizing local and nonlocal information sufficiently. Neural Computing and Applications, 2012, 21, 1845-1853.	3.2	1

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199	Dynamic transition embedding for image feature extraction and recognition. Neural Computing and Applications, 2012, 21, 1905-1915.	3.2	4
200	A flexible support vector machine for regression. Neural Computing and Applications, 2012, 21, 2005-2013.	3.2	13
201	Continuous attractors of recurrent neural networks with complex-valued weights. , 2012, , .		0
202	Supervised and Unsupervised Parallel Subspace Learning for Large-Scale Image Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1497-1511.	5.6	20
203	A local modified Chan-Vese model for segmenting inhomogeneous multiphase images. International Journal of Imaging Systems and Technology, 2012, 22, 103-113.	2.7	8
204	Smooth twin support vector regression. Neural Computing and Applications, 2012, 21, 505-513.	3.2	53
205	Beyond sparsity: The role of L1-optimizer in pattern classification. Pattern Recognition, 2012, 45, 1104-1118.	5.1	216
206	A Two-Phase Test Sample Sparse Representation Method for Use With Face Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1255-1262.	5.6	444
207	A Linear Subspace Learning Approach via Low Rank Decomposition. , 2011, , .		1
208	One fast and automatic face recognition method. , 2011, , .		1
209	Robust sparse coding for face recognition. , 2011, , .		413
210	Optimal Locality Regularized Least Squares Support Vector Machine via Alternating Optimization. Neural Processing Letters, 2011, 33, 301-315.	2.0	13
211	Kernel feature extraction methods observed from the viewpoint of generating-kernels. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 43-55.	0.6	3
212	Optimal locality preserving least square support vector machine. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 201-207.	0.6	0
213	Robust and Sparse Twin Support Vector Regression via Linear Programming. , 2010, , .		4
214	Support Vector Regression with Automatic Margin Control. , 2010, , .		0
215	Feature Selection Based on Sparse Fisher Discriminant Analysis. , 2010, , .		0
216	Sparse Local Discriminant Projections for Feature Extraction. , 2010, , .		15

#	ARTICLE	IF	CITATIONS
217	Directional SIFT -- An Improved Method Using Elliptical Gaussian Pyramid. , 2010, , .		0
218	Metaface learning for sparse representation based face recognition. , 2010, , .		256
219	Sparse margin based discriminant analysis for face recognition. , 2010, , .		2
220	Sparse Representation Classifier Steered Discriminative Projection. , 2010, , .		17
221	K Nearest Neighbor Based Local Sparse Representation Classifier. , 2010, , .		11
222	Weighted Linear Embedding and Its Applications to Finger-Knuckle-Print and Palmprint Recognition. , 2010, , .		8
223	Decision rule steered discriminant analysis: A paradigm of unifying dimension reduction and classification into a framework. , 2010, , .		0
224	An geometrically intuitive marginal discriminant analysis method with application to face recognition. , 2009, , .		0
225	Global Sparse Representation Projections for Feature Extraction and Classification. , 2009, , .		11
226	Compressed sensing image reconstruction based on morphological component analysis. , 2009, , .		3
227	Learning the Similarity Preserving Principal Curves. , 2009, , .		0
228	Local Graph Embedding Discriminant Analysis for Face Recognition with Single Training Sample Per Person. , 2009, , .		3
229	Median Fisher Discriminator: a robust feature extraction method with applications to biometrics. Frontiers of Computer Science, 2008, 2, 295-305.	0.6	12
230	A discriminant color space method for face representation and verification on a large-scale database. , 2008, , .		13
231	Minimal local reconstruction error measure based discriminant feature extraction and classification. , 2008, , .		4
232	New Concept for Discriminator Design: From Classifier to Discriminator. , 2008, , .		0
233	Horizontal and Vertical 2DPCA-Based Discriminant Analysis for Face Verification on a Large-Scale Database. IEEE Transactions on Information Forensics and Security, 2007, 2, 781-792.	4.5	57
234	Effective classification image space which can solve small sample size problem. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
235	KPCA plus LDA: a complete kernel Fisher discriminant framework for feature extraction and recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 230-244.	9.7	721
236	A new LDA-KL combined method for feature extraction and its generalisation. Pattern Analysis and Applications, 2004, 7, 40.	3.1	4
237	Fusion of PCA and KFDA for rapid face recognition. , 0, , .		1
238	Learning principal curves inside divide-and-combine framework. , 0, , .		0