

# Guangcan Liu

## List of Publications by Year in descending order

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63  
papers

5,061  
citations

236925

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214800

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docs citations

65  
times ranked

3541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Tropical Cyclogenesis Using a Deep Learning Method From Gridded Satellite and ERA5 Reanalysis Data in the Western North Pacific Basin. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	5
2	Time Series Forecasting via Learning Convolutionally Low-Rank Models. IEEE Transactions on Information Theory, 2022, 68, 3362-3380.	2.4	7
3	Orthogonal multi-view tensor-based learning for clustering. Neurocomputing, 2022, 500, 592-603.	5.9	0
4	Optimization Induced Equilibrium Networks: An Explicit Optimization Perspective for Understanding Equilibrium Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-14.	13.9	2
5	Twin-Incoherent Self-Expressive Locality-Adaptive Latent Dictionary Pair Learning for Classification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 947-961.	11.3	30
6	Matrix Completion with Deterministic Sampling: Theories and Methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 549-566.	13.9	14
7	Flexible Auto-Weighted Local-Coordinate Concept Factorization: A Robust Framework for Unsupervised Clustering. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1523-1539.	5.7	24
8	3D Tensor Auto-encoder with Application to Video Compression. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-18.	4.3	1
9	Parallel Connected LSTM for Matrix Sequence Prediction with Elusive Correlations. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-16.	4.5	0
10	Collaborative Local-Global Learning for Temporal Action Proposal. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-14.	4.5	2
11	Tensor LISTA: Differentiable sparse representation learning for multi-dimensional tensor. Neurocomputing, 2021, 463, 554-565.	5.9	0
12	Joint Label Prediction Based Semi-Supervised Adaptive Concept Factorization for Robust Data Representation. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 952-970.	5.7	67
13	Fine-grained action recognition using multi-view attentions. Visual Computer, 2020, 36, 1771-1781.	3.5	16
14	Selecting Optimal Completion to Partial Matrix via Self-Validation. IEEE Signal Processing Letters, 2020, 27, 1265-1269.	3.6	1
15	Learning Hybrid Representation by Robust Dictionary Learning in Factorized Compressed Space. IEEE Transactions on Image Processing, 2020, 29, 3941-3956.	9.8	31
16	Deep Latent Low-Rank Fusion Network for Progressive Subspace Discovery. , 2020, , .		11
17	On fusing the latent deep CNN feature for image classification. World Wide Web, 2019, 22, 423-436.	4.0	26
18	Robust Subspace Clustering With Compressed Data. IEEE Transactions on Image Processing, 2019, 28, 5161-5170.	9.8	42

#	ARTICLE	IF	CITATIONS
19	Robust Unsupervised Flexible Auto-weighted Local-coordinate Concept Factorization for Image Clustering. , 2019, , .		9
20	Robust auto-weighted projective low-rank and sparse recovery for visual representation. Neural Networks, 2019, 117, 201-215.	5.9	23
21	Robust Low-rank subspace segmentation with finite mixture noise. Pattern Recognition, 2019, 93, 55-67.	8.1	9
22	Learning Structured Twin-Incoherent Twin-Projective Latent Dictionary Pairs for Classification. , 2019, , .		11
23	Matrix recovery with implicitly low-rank data. Neurocomputing, 2019, 334, 219-226.	5.9	8
24	Unsupervised Nonnegative Adaptive Feature Extraction for Data Representation. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 2423-2440.	5.7	39
25	Moving object detection via segmentation and saliency constrained RPCA. Neurocomputing, 2019, 323, 352-362.	5.9	20
26	Kernel-Induced Label Propagation by Mapping for Semi-Supervised Classification. IEEE Transactions on Big Data, 2019, 5, 148-165.	6.1	29
27	Scalable Block-Diagonal Locality-Constrained Projective Dictionary Learning. , 2019, , .		41
28	Implicit Block Diagonal Low-Rank Representation. IEEE Transactions on Image Processing, 2018, 27, 477-489.	9.8	63
29	Semi-supervised vehicle classification via fusing affinity matrices. Signal Processing, 2018, 149, 118-123.	3.7	9
30	Reversed Spectral Hashing. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2441-2449.	11.3	21
31	Deeper cascaded peak-piloted network for weak expression recognition. Visual Computer, 2018, 34, 1691-1699.	3.5	48
32	Multi-scale Spatiotemporal Information Fusion Network for Video Action Recognition. , 2018, , .		5
33	Robust Projective Low-Rank and Sparse Representation by Robust Dictionary Learning. , 2018, , .		5
34	Robust Discriminative Projective Dictionary Pair Learning by Adaptive Representations. , 2018, , .		3
35	Robust Locality-Constrained Label Consistent K-SVD by Joint Sparse Embedding. , 2018, , .		1
36	Robust Adaptive Low-Rank and Sparse Embedding for Feature Representation. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
37	Multi-component group sparse RPCA model for motion object detection under complex dynamic background. Neurocomputing, 2018, 314, 120-131.	5.9	12
38	Spatio-temporal convolutional features with nested LSTM for facial expression recognition. Neurocomputing, 2018, 317, 50-57.	5.9	101
39	Blessing of Dimensionality: Recovering Mixture Data via Dictionary Pursuit. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 47-60.	13.9	58
40	Adaptive Cascade Regression Model For Robust Face Alignment. IEEE Transactions on Image Processing, 2017, 26, 797-807.	9.8	26
41	Spatial spectral locality constrained elastic net hypergraph for hyperspectral image clustering. International Journal of Remote Sensing, 2017, 38, 7374-7388.	2.9	2
42	Hypergraph Embedding for Spatial-Spectral Joint Feature Extraction in Hyperspectral Images. Remote Sensing, 2017, 9, 506.	4.0	28
43	Low-Rank Matrix Completion in the Presence of High Coherence. IEEE Transactions on Signal Processing, 2016, 64, 5623-5633.	5.3	43
44	A Deterministic Analysis for LRR. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 417-430.	13.9	48
45	Low-Rank Tensor Constrained Multiview Subspace Clustering. , 2015, , .		308
46	Non-blind deblurring of structured images with geometric deformation. Visual Computer, 2015, 31, 131-140.	3.5	7
47	A Latent Clothing Attribute Approach for Human Pose Estimation. Lecture Notes in Computer Science, 2015, , 146-161.	1.3	1
48	Blind Image Deblurring Using Spectral Properties of Convolution Operators. IEEE Transactions on Image Processing, 2014, 23, 5047-5056.	9.8	60
49	Unified Structured Learning for Simultaneous Human Pose Estimation and Garment Attribute Classification. IEEE Transactions on Image Processing, 2014, 23, 4786-4798.	9.8	17
50	Fast Low-Rank Subspace Segmentation. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1293-1297.	5.7	39
51	Scalable Low-Rank Representation. , 2014, , 39-60.		1
52	General Subspace Learning With Corrupted Training Data Via Graph Embedding. IEEE Transactions on Image Processing, 2013, 22, 4380-4393.	9.8	28
53	Robust Recovery of Subspace Structures by Low-Rank Representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 171-184.	13.9	2,694
54	Improving Bottom-up Saliency Detection by Looking into Neighbors. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1016-1028.	8.3	9

#	ARTICLE	IF	CITATIONS
55	Multi-Task low-rank and sparse matrix recovery for human motion segmentation. , 2012, , .		2
56	Active Subspace: Toward Scalable Low-Rank Learning. Neural Computation, 2012, 24, 3371-3394.	2.2	74
57	Inductive Robust Principal Component Analysis. IEEE Transactions on Image Processing, 2012, 21, 3794-3800.	9.8	139
58	Saliency Detection by Multitask Sparsity Pursuit. IEEE Transactions on Image Processing, 2012, 21, 1327-1338.	9.8	187
59	Latent Low-Rank Representation for subspace segmentation and feature extraction. , 2011, , .		444
60	Unsupervised Object Segmentation with a Hybrid Graph Model (HGM). IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 910-924.	13.9	26
61	Multi-output regression on the output manifold. Pattern Recognition, 2009, 42, 2737-2743.	8.1	38
62	Radon Representation-Based Feature Descriptor for Texture Classification. IEEE Transactions on Image Processing, 2009, 18, 921-928.	9.8	34
63	Presswork defect inspection using only defect-free high-resolution images. Visual Computer, 0, , 1.	3.5	1