

Guangcan Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6906785/publications.pdf>

Version: 2024-02-01

63
papers

5,061
citations

236925

25
h-index

214800

47
g-index

65
all docs

65
docs citations

65
times ranked

3541
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Latent Low-Rank Representation for subspace segmentation and feature extraction. , 2011, , .		444
3	Low-Rank Tensor Constrained Multiview Subspace Clustering. , 2015, , .		308
4	Saliency Detection by Multitask Sparsity Pursuit. IEEE Transactions on Image Processing, 2012, 21, 1327-1338.	9.8	187
5	Inductive Robust Principal Component Analysis. IEEE Transactions on Image Processing, 2012, 21, 3794-3800.	9.8	139
6	Spatio-temporal convolutional features with nested LSTM for facial expression recognition. Neurocomputing, 2018, 317, 50-57.	5.9	101
7	Active Subspace: Toward Scalable Low-Rank Learning. Neural Computation, 2012, 24, 3371-3394.	2.2	74
8	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
9	Implicit Block Diagonal Low-Rank Representation. IEEE Transactions on Image Processing, 2018, 27, 477-489.	9.8	63
10	Blind Image Deblurring Using Spectral Properties of Convolution Operators. IEEE Transactions on Image Processing, 2014, 23, 5047-5056.	9.8	60
11	Blessing of Dimensionality: Recovering Mixture Data via Dictionary Pursuit. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 47-60.	13.9	58
12	A Deterministic Analysis for LRR. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 417-430.	13.9	48
13	Deeper cascaded peak-piloted network for weak expression recognition. Visual Computer, 2018, 34, 1691-1699.	3.5	48
14	Low-Rank Matrix Completion in the Presence of High Coherence. IEEE Transactions on Signal Processing, 2016, 64, 5623-5633.	5.3	43
15	Robust Subspace Clustering With Compressed Data. IEEE Transactions on Image Processing, 2019, 28, 5161-5170.	9.8	42
16	Scalable Block-Diagonal Locality-Constrained Projective Dictionary Learning. , 2019, , .		41
17	Fast Low-Rank Subspace Segmentation. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1293-1297.	5.7	39
18	Unsupervised Nonnegative Adaptive Feature Extraction for Data Representation. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 2423-2440.	5.7	39

#	ARTICLE	IF	CITATIONS
19	Multi-output regression on the output manifold. <i>Pattern Recognition</i> , 2009, 42, 2737-2743.	8.1	38
20	Radon Representation-Based Feature Descriptor for Texture Classification. <i>IEEE Transactions on Image Processing</i> , 2009, 18, 921-928.	9.8	34
21	Learning Hybrid Representation by Robust Dictionary Learning in Factorized Compressed Space. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 3941-3956.	9.8	31
22	Twin-Incoherent Self-Expressive Locality-Adaptive Latent Dictionary Pair Learning for Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 947-961.	11.3	30
23	Kernel-Induced Label Propagation by Mapping for Semi-Supervised Classification. <i>IEEE Transactions on Big Data</i> , 2019, 5, 148-165.	6.1	29
24	General Subspace Learning With Corrupted Training Data Via Graph Embedding. <i>IEEE Transactions on Image Processing</i> , 2013, 22, 4380-4393.	9.8	28
25	Hypergraph Embedding for Spatial-Spectral Joint Feature Extraction in Hyperspectral Images. <i>Remote Sensing</i> , 2017, 9, 506.	4.0	28
26	Unsupervised Object Segmentation with a Hybrid Graph Model (HGM). <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010, 32, 910-924.	13.9	26
27	Adaptive Cascade Regression Model For Robust Face Alignment. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 797-807.	9.8	26
28	On fusing the latent deep CNN feature for image classification. <i>World Wide Web</i> , 2019, 22, 423-436.	4.0	26
29	Flexible Auto-Weighted Local-Coordinate Concept Factorization: A Robust Framework for Unsupervised Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, 33, 1523-1539.	5.7	24
30	Robust auto-weighted projective low-rank and sparse recovery for visual representation. <i>Neural Networks</i> , 2019, 117, 201-215.	5.9	23
31	Reversed Spectral Hashing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2441-2449.	11.3	21
32	Moving object detection via segmentation and saliency constrained RPCA. <i>Neurocomputing</i> , 2019, 323, 352-362.	5.9	20
33	Unified Structured Learning for Simultaneous Human Pose Estimation and Garment Attribute Classification. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 4786-4798.	9.8	17
34	Fine-grained action recognition using multi-view attentions. <i>Visual Computer</i> , 2020, 36, 1771-1781.	3.5	16
35	Matrix Completion with Deterministic Sampling: Theories and Methods. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 549-566.	13.9	14
36	Multi-component group sparse RPCA model for motion object detection under complex dynamic background. <i>Neurocomputing</i> , 2018, 314, 120-131.	5.9	12

#	ARTICLE	IF	CITATIONS
37	Learning Structured Twin-Incoherent Twin-Projective Latent Dictionary Pairs for Classification. , 2019, , .		11
38	Deep Latent Low-Rank Fusion Network for Progressive Subspace Discovery. , 2020, , .		11
39	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
40	Semi-supervised vehicle classification via fusing affinity matrices. Signal Processing, 2018, 149, 118-123.	3.7	9
41	Robust Unsupervised Flexible Auto-weighted Local-coordinate Concept Factorization for Image Clustering. , 2019, , .		9
42	Robust Low-rank subspace segmentation with finite mixture noise. Pattern Recognition, 2019, 93, 55-67.	8.1	9
43	Matrix recovery with implicitly low-rank data. Neurocomputing, 2019, 334, 219-226.	5.9	8
44	Non-blind deblurring of structured images with geometric deformation. Visual Computer, 2015, 31, 131-140.	3.5	7
45	Time Series Forecasting via Learning Convolutionally Low-Rank Models. IEEE Transactions on Information Theory, 2022, 68, 3362-3380.	2.4	7
46	Multi-scale Spatiotemporal Information Fusion Network for Video Action Recognition. , 2018, , .		5
47	Robust Projective Low-Rank and Sparse Representation by Robust Dictionary Learning. , 2018, , .		5
48	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
49	Robust Discriminative Projective Dictionary Pair Learning by Adaptive Representations. , 2018, , .		3
50	Robust Adaptive Low-Rank and Sparse Embedding for Feature Representation. , 2018, , .		3
51	Multi-Task low-rank and sparse matrix recovery for human motion segmentation. , 2012, , .		2
52	Spatial“spectral locality constrained elastic net hypergraph for hyperspectral image clustering. International Journal of Remote Sensing, 2017, 38, 7374-7388.	2.9	2
53	Collaborative Local-Global Learning for Temporal Action Proposal. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-14.	4.5	2
54	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

#	ARTICLE	IF	CITATIONS
55	Robust Locality-Constrained Label Consistent K-SVD by Joint Sparse Embedding. , 2018, , .		1
56	Selecting Optimal Completion to Partial Matrix via Self-Validation. IEEE Signal Processing Letters, 2020, 27, 1265-1269.	3.6	1
57	3D Tensor Auto-encoder with Application to Video Compression. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-18.	4.3	1
58	Scalable Low-Rank Representation. , 2014, , 39-60.		1
59	A Latent Clothing Attribute Approach for Human Pose Estimation. Lecture Notes in Computer Science, 2015, , 146-161.	1.3	1
60	Presswork defect inspection using only defect-free high-resolution images. Visual Computer, 0, , 1.	3.5	1
61	Parallel Connected LSTM for Matrix Sequence Prediction with Elusive Correlations. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-16.	4.5	0
62	Tensor LISTA: Differentiable sparse representation learning for multi-dimensional tensor. Neurocomputing, 2021, 463, 554-565.	5.9	0
63	Orthogonal multi-view tensor-based learning for clustering. Neurocomputing, 2022, 500, 592-603.	5.9	0