

Qingshan Liu

List of Publications by Year in descending order

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105
papers

3,938
citations

186265

28
h-index

155660

55
g-index

108
all docs

108
docs citations

108
times ranked

3348
citing authors

#	ARTICLE	IF	CITATIONS
1	Pose-Driven Realistic 2-D Motion Synthesis. IEEE Transactions on Cybernetics, 2023, 53, 2412-2425.	9.5	6
2	Phase Space Reconstruction Driven Spatio-Temporal Feature Learning for Dynamic Facial Expression Recognition. IEEE Transactions on Affective Computing, 2022, 13, 1466-1476.	8.3	16
3	Spatial Consistency Constrained GAN for Human Motion Transfer. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 730-742.	8.3	9
4	Global Tropical Cyclone Precipitation Estimation via a Multitask Convolutional Neural Network Based on HURSAT-B1 Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	1
5	Keyframe-Editable Real-Time Motion Synthesis. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4538-4551.	8.3	1
6	SITS-Former: A pre-trained spatio-spectral-temporal representation model for Sentinel-2 time series classification. International Journal of Applied Earth Observation and Geoinformation, 2022, 106, 102651.	2.8	14
7	Learning interlaced sparse Sinkhorn matching network for video super-resolution. Pattern Recognition, 2022, 124, 108475.	8.1	8
8	Video Snapshot Compressive Imaging Using Residual Ensemble Network. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5931-5943.	8.3	5
9	CED-Net: contextual encoder-decoder network for 3D face reconstruction. Multimedia Systems, 2022, 28, 1713-1722.	4.7	4
10	Cross-Modality Contrastive Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	35
11	Local Self-Expression Subspace Learning Network for Motion Capture Data. IEEE Transactions on Image Processing, 2022, 31, 4869-4883.	9.8	0
12	Feature Alignment and Aggregation Siamese Networks for Fast Visual Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1296-1307.	8.3	29
13	Nonconvex Low-Rank Kernel Sparse Subspace Learning for Keyframe Extraction and Motion Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1612-1626.	11.3	14
14	Classification of Hyperspectral Images via Multitask Generative Adversarial Networks. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1424-1436.	6.3	97
15	Hyperspectral Image Classification With Attention-Aided CNNs. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2281-2293.	6.3	200
16	Class-Guided Feature Decoupling Network for Airborne Image Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2245-2255.	6.3	33
17	Video saliency prediction using enhanced spatiotemporal alignment network. Pattern Recognition, 2021, 109, 107615.	8.1	18
18	Body parts relevance learning via expectation-maximization for human pose estimation. Multimedia Systems, 2021, 27, 927-939.	4.7	1

#	ARTICLE	IF	CITATIONS
19	3D Tensor Auto-encoder with Application to Video Compression. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-18.	4.3	1
20	Parallel Connected LSTM for Matrix Sequence Prediction with Elusive Correlations. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-16.	4.5	0
21	Collaborative Local-Global Learning for Temporal Action Proposal. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-14.	4.5	2
22	Tensor LISTA: Differentiable sparse representation learning for multi-dimensional tensor. Neurocomputing, 2021, 463, 554-565.	5.9	0
23	Likelihood-constrained coupled space learning for motion synthesis. Information Sciences, 2021, 579, 72-88.	6.9	1
24	Former-DFER: Dynamic Facial Expression Recognition Transformer. , 2021, , .		39
25	DeepACG: Co-Saliency Detection via Semantic-aware Contrast Gromov-Wasserstein Distance. , 2021, , .		19
26	Hierarchical attentive Siamese network for real-time visual tracking. Neural Computing and Applications, 2020, 32, 14335-14346.	5.6	8
27	Learning image compressed sensing with sub-pixel convolutional generative adversarial network. Pattern Recognition, 2020, 98, 107051.	8.1	41
28	Real-time manifold regularized context-aware correlation tracking. Frontiers of Computer Science, 2020, 14, 334-348.	2.4	8
29	Tropical Cyclone Intensity Estimation Using Two-Branch Convolutional Neural Network From Infrared and Water Vapor Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 586-597.	6.3	30
30	Selecting Optimal Completion to Partial Matrix via Self-Validation. IEEE Signal Processing Letters, 2020, 27, 1265-1269.	3.6	1
31	Adaptive Graph Convolutional Network With Attention Graph Clustering for Co-Saliency Detection. , 2020, , .		61
32	Prinet: A Prior Driven Spectral Super-Resolution Network. , 2020, , .		6
33	Classification of Hyperspectral and LiDAR Data Using Coupled CNNs. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4939-4950.	6.3	204
34	Flow driven attention network for video salient object detection. IET Image Processing, 2020, 14, 997-1004.	2.5	4
35	Dual Temporal Memory Network for Efficient Video Object Segmentation. , 2020, , .		12
36	Hyperspectral image classification using spectral-spatial LSTMs. Neurocomputing, 2019, 328, 39-47.	5.9	162

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37	Retrieving Soil Moisture Over Continental U.S. via Multi-View Multi-Task Learning. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1954-1958.	3.1	2
38	Learning-Based Sphere Nonlinear Interpolation for Motion Synthesis. IEEE Transactions on Industrial Informatics, 2019, 15, 2927-2937.	11.3	12
39	Pyramid Fully Convolutional Network for Hyperspectral and Multispectral Image Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1549-1558.	4.9	66
40	Low-rank weighted co-saliency detection via efficient manifold ranking. Multimedia Tools and Applications, 2019, 78, 21309-21324.	3.9	6
41	Cascaded Recurrent Neural Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5384-5394.	6.3	394
42	Co-Saliency Detection via Mask-Guided Fully Convolutional Networks With Multi-Scale Label Smoothing. , 2019, , .		57
43	Image super-resolution using conditional generative adversarial network. IET Image Processing, 2019, 13, 2673-2679.	2.5	15
44	Parallel Attentive Correlation Tracking. IEEE Transactions on Image Processing, 2019, 28, 479-491.	9.8	23
45	Pan-GGF: A probabilistic method for pan-sharpening with gradient domain guided image filtering. Signal Processing, 2019, 156, 177-190.	3.7	19
46	Moving object detection via segmentation and saliency constrained RPCA. Neurocomputing, 2019, 323, 352-362.	5.9	20
47	Local Context Embedding Neural Network for Scene Semantic Segmentation. Lecture Notes in Computer Science, 2019, , 354-366.	1.3	0
48	Correcting MODIS aerosol optical depth products using a ridge regression model. International Journal of Remote Sensing, 2018, 39, 3275-3286.	2.9	2
49	Cascaded Regional Spatio-Temporal Feature-Routing Networks for Video Object Detection. IEEE Access, 2018, 6, 3096-3106.	4.2	12
50	Learning Multiscale Deep Features for High-Resolution Satellite Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 117-126.	6.3	130
51	Visual tracking via Boolean map representations. Pattern Recognition, 2018, 81, 147-160.	8.1	35
52	Nonlinear Low-Rank Matrix Completion for Human Motion Recovery. IEEE Transactions on Image Processing, 2018, 27, 3011-3024.	9.8	33
53	Integrating Convolutional Neural Network and Gated Recurrent Unit for Hyperspectral Image Spectral-Spatial Classification. Lecture Notes in Computer Science, 2018, , 409-420.	1.3	4
54	Joint Head Pose Estimation with Multi-task Cascaded Convolutional Networks for Face Alignment. , 2018, , .		8

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55	Complementary Tracking via Dual Color Clustering and Spatio-Temporal Regularized Correlation Learning. IEEE Access, 2018, 6, 56526-56538.	4.2	19
56	Fast subspace segmentation via Random Sample Probing. Neurocomputing, 2018, 319, 66-73.	5.9	0
57	Comparing the Performance of Neural Network and Deep Convolutional Neural Network in Estimating Soil Moisture from Satellite Observations. Remote Sensing, 2018, 10, 1327.	4.0	24
58	Dimensionality Reduction of Hyperspectral Image Using Spatial Regularized Local Graph Discriminant Embedding. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3262-3271.	4.9	23
59	Multi-component group sparse RPCA model for motion object detection under complex dynamic background. Neurocomputing, 2018, 314, 120-131.	5.9	12
60	Visual tracking using spatio-temporally nonlocally regularized correlation filter. Pattern Recognition, 2018, 83, 185-195.	8.1	41
61	Spatio-temporal convolutional features with nested LSTM for facial expression recognition. Neurocomputing, 2018, 317, 50-57.	5.9	101
62	Graph Regularized Nonlinear Ridge Regression for Remote Sensing Data Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 277-285.	4.9	23
63	Robust Matrix Discriminative Analysis for Feature Extraction From Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2002-2011.	4.9	32
64	Improving the Spatial Resolution of FY-3 Microwave Radiation Imager via Fusion With FY-3/MERSI. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3055-3063.	4.9	15
65	Spatial Spectral Locality-Constrained Low-Rank Representation with Semi-Supervised Hypergraph Learning for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4171-4182.	4.9	21
66	Stacked Hourglass Network for Robust Facial Landmark Localisation. , 2017, , .		160
67	Face image retrieval based on shape and texture feature fusion. Computational Visual Media, 2017, 3, 359-368.	17.5	14
68	Spatial Spectral Locality Constrained Elastic Net Hypergraph for Hyperspectral Image Clustering. International Journal of Remote Sensing, 2017, 38, 7374-7388.	2.9	2
69	Elastic Net Hypergraph Learning for Image Clustering and Semi-Supervised Classification. IEEE Transactions on Image Processing, 2017, 26, 452-463.	9.8	61
70	Hypergraph Embedding for Spatial-Spectral Joint Feature Extraction in Hyperspectral Images. Remote Sensing, 2017, 9, 506.	4.0	28
71	Bidirectional-Convolutional LSTM Based Spectral-Spatial Feature Learning for Hyperspectral Image Classification. Remote Sensing, 2017, 9, 1330.	4.0	228
72	FaceHunter: A multi-task convolutional neural network based face detector. Signal Processing: Image Communication, 2016, 47, 476-481.	3.2	13

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73	Notice of Removal Coarse-to-fine human parsing with Fast R-CNN and over-segment retrieval. , 2016, , .		0
74	Graph-regularized low-rank representation for aerosol optical depth retrieval. International Journal of Remote Sensing, 2016, 37, 5749-5762.	2.9	3
75	Robust visual tracking via patch based kernel correlation filters with adaptive multiple feature ensemble. Neurocomputing, 2016, 214, 607-617.	5.9	45
76	Matrix-Based Discriminant Subspace Ensemble for Hyperspectral Image Spatialâ€“Spectral Feature Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 783-794.	6.3	85
77	M3 CSR: Multi-view, multi-scale and multi-component cascade shape regression. Image and Vision Computing, 2016, 47, 19-26.	4.5	46
78	Robust object tracking by online Fisher discrimination boosting feature selection. Computer Vision and Image Understanding, 2016, 153, 100-108.	4.7	31
79	A Deterministic Analysis for LRR. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 417-430.	13.9	48
80	Facial Shape Tracking via Spatio-Temporal Cascade Shape Regression. , 2015, , .		36
81	Additive Nearest Neighbor Feature Maps. , 2015, , .		4
82	A Variational Approach to Simultaneous Image Segmentation and Bias Correction. IEEE Transactions on Cybernetics, 2015, 45, 1426-1437.	9.5	153
83	Crew exploration vehicle (CEV) attitude control using a neuralâ€“immunology/memory network. International Journal of Systems Science, 2015, 46, 152-158.	5.5	2
84	How friends affect user behaviors? An exploration of social relation analysis for recommendation. Knowledge-Based Systems, 2015, 88, 70-84.	7.1	41
85	Low rank driven robust facial landmark regression. Neurocomputing, 2015, 151, 196-206.	5.9	9
86	Newton Greedy Pursuit: A Quadratic Approximation Method for Sparsity-Constrained Optimization. , 2014, , .		11
87	Discriminative Context Models for Collective Activity Recognition. , 2014, , .		5
88	Multiple-Output Regression with High-Order Structure Information. , 2014, , .		0
89	Patch-based active learning (PTAL) for spectral-spatial classification on hyperspectral data. International Journal of Remote Sensing, 2014, 35, 1846-1875.	2.9	23
90	Learning Discriminative Dictionary for Group Sparse Representation. IEEE Transactions on Image Processing, 2014, 23, 3816-3828.	9.8	90

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91	Monitoring activity of taking medicine by incorporating RFID and video analysis. Network Modeling Analysis in Health Informatics and Bioinformatics, 2013, 2, 61-70.	2.1	17
92	Region-Based Spatial Sampling for Image Classification. , 2013, , .		0
93	Learning ordinal discriminative features for age estimation. , 2012, , .		17
94	Learning active facial patches for expression analysis. , 2012, , .		106
95	An Immunology-Inspired Fault Detection and Identification System. International Journal of Advanced Robotic Systems, 2012, 9, 64.	2.1	0
96	Identifying medicine bottles by incorporating RFID and video analysis. , 2011, , .		2
97	A new extension of kernel feature and its application for visual recognition. Neurocomputing, 2008, 71, 1850-1856.	5.9	9
98	Similarity Features for Facial Event Analysis. Lecture Notes in Computer Science, 2008, , 685-696.	1.3	5
99	An improved variable-size block-matching algorithm. Multimedia Tools and Applications, 2007, 34, 221-237.	3.9	2
100	Ensemble learning for independent component analysis. Pattern Recognition, 2006, 39, 81-88.	8.1	47
101	Multiple Similarities Based Kernel Subspace Learning for Image Classification. Lecture Notes in Computer Science, 2006, , 244-253.	1.3	2
102	Improving Kernel Fisher Discriminant Analysis for Face Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 42-49.	8.3	161
103	Kernel-based nonlinear discriminant analysis for face recognition. Journal of Computer Science and Technology, 2003, 18, 788-795.	1.5	17
104	Head tracking using shapes and adaptive color histograms. Journal of Computer Science and Technology, 2002, 17, 859-864.	1.5	2
105	Solving the small sample size problem of LDA. , 0, , .		173