

Xianming Liu

List of Publications by Year in descending order

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papers

1,868
citations

331259

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docs citations

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times ranked

1574
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilayer Spectral Spatial Graphs for Label Noisy Robust Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 839-852.	7.2	33
2	Deep Unfolding Network for Spatiospectral Image Super-Resolution. IEEE Transactions on Computational Imaging, 2022, 8, 28-40.	2.6	20
3	High-Resolution Depth Maps Imaging via Attention-Based Hierarchical Multi-Modal Fusion. IEEE Transactions on Image Processing, 2022, 31, 648-663.	6.0	14
4	Multi-Task Interaction Learning for Spatiospectral Image Super-Resolution. IEEE Transactions on Image Processing, 2022, 31, 2950-2961.	6.0	6
5	BaMBNet: A Blur-Aware Multi-Branch Network for Dual-Pixel Defocus Deblurring. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 878-892.	8.5	4
6	Propagating Facial Prior Knowledge for Multitask Learning in Face Super-Resolution. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7317-7331.	5.6	15
7	Self-Supervised Monocular Depth Estimation via Discrete Strategy and Uncertainty. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1307-1310.	8.5	1
8	Graph-Based Feature-Preserving Mesh Normal Filtering. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1937-1952.	2.9	15
9	Heatmap-Aware Pyramid Face Hallucination. , 2021, , .		2
10	Zero-Shot Multi-Focus Image Fusion. , 2021, , .		1
11	NormalNet: Learning-Based Mesh Normal Denoising via Local Partition Normalization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4697-4710.	5.6	5
12	Rapid Whole Slide Imaging via Dual-Shot Deep Autofocusing. IEEE Transactions on Computational Imaging, 2021, 7, 124-136.	2.6	7
13	Improving Hyperspectral Super-Resolution via Heterogeneous Knowledge Distillation. , 2021, , .		1
14	Contrast Enhancement via Dual Graph Total Variation-Based Image Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2463-2476.	5.6	10
15	Color-Guided Depth Image Recovery With Adaptive Data Fidelity and Transferred Graph Laplacian Regularization. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 320-333.	5.6	19
16	Semi-Supervised Graph Convolutional Hashing Network For Large-Scale Cross-Modal Retrieval. , 2020, , .		5
17	Parsing Map Guided Multi-Scale Attention Network For Face Hallucination. , 2020, , .		10
18	Learning Spatial-Spectral Prior for Super-Resolution of Hyperspectral Imagery. IEEE Transactions on Computational Imaging, 2020, 6, 1082-1096.	2.6	123

#	ARTICLE	IF	CITATIONS
19	ADRN: Attention-Based Deep Residual Network for Hyperspectral Image Denoising. , 2020, , .		21
20	Single Image Blind Deblurring Using Multi-Scale Latent Structure Prior. IEEE Transactions on Circuits and Systems for Video Technology, 2019, , 1-1.	5.6	22
21	Reconstruction-cognizant Graph Sampling Using Gershgorin Disc Alignment. , 2019, , .		8
22	Joint Gaze Correction and Face Beautification for Conference Video Using Dual Sparsity Prior. IEEE Transactions on Industrial Electronics, 2019, 66, 9601-9611.	5.2	4
23	Depth Restoration From RGB-D Data via Joint Adaptive Regularization and Thresholding on Manifolds. IEEE Transactions on Image Processing, 2019, 28, 1068-1079.	6.0	34
24	Graph-Based Blind Image Deblurring From a Single Photograph. IEEE Transactions on Image Processing, 2019, 28, 1404-1418.	6.0	115
25	Depth Super-Resolution via Joint Color-Guided Internal and External Regularizations. IEEE Transactions on Image Processing, 2019, 28, 1636-1645.	6.0	49
26	Graph-Regularized Locality-Constrained Joint Dictionary and Residual Learning for Face Sketch Synthesis. IEEE Transactions on Image Processing, 2019, 28, 628-641.	6.0	30
27	Hyperspectral Image Classification in the Presence of Noisy Labels. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 851-865.	2.7	131
28	Graph-Based Joint Dequantization and Contrast Enhancement of Poorly Lit JPEG Images. IEEE Transactions on Image Processing, 2019, 28, 1205-1219.	6.0	29
29	Depth Image Denoising via Collaborative Graph Fourier Transform. Communications in Computer and Information Science, 2018, , 128-137.	0.4	3
30	Prior-Based Quantization Bin Matching for Cloud Storage of JPEG Images. IEEE Transactions on Image Processing, 2018, 27, 3222-3235.	6.0	16
31	Parametric local multiview hamming distance metric learning. Pattern Recognition, 2018, 75, 250-262.	5.1	25
32	Reduced-Reference Image Quality Assessment in Free-Energy Principle and Sparse Representation. IEEE Transactions on Multimedia, 2018, 20, 379-391.	5.2	97
33	Supervised Distributed Hashing for Large-Scale Multimedia Retrieval. IEEE Transactions on Multimedia, 2018, 20, 675-686.	5.2	33
34	Color-Guided Depth Map Super-Resolution via Joint Graph Laplacian and Gradient Consistency Regularization. , 2018, , .		1
35	Noise-Aware Super-Resolution of Depth Maps Via Graph-Based Plug-And-Play Framework. , 2018, , .		1
36	Blind Image Deblurring Via Reweighted Graph Total Variation. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
37	Compressed Image Restoration via External-Image Assisted Band Adaptive PCA Model Learning. , 2018, , .		5
38	Random Walk Graph Laplacian-Based Smoothness Prior for Soft Decoding of JPEG Images. IEEE Transactions on Image Processing, 2017, 26, 509-524.	6.0	111
39	Sparsity-Based Image Error Concealment via Adaptive Dual Dictionary Learning and Regularization. IEEE Transactions on Image Processing, 2017, 26, 782-796.	6.0	25
40	Mesh Denoising with Local Guided Normal Filtering and Non-local Similarity. Communications in Computer and Information Science, 2017, , 176-184.	0.4	2
41	Compressive Sampling-Based Image Coding for Resource-Deficient Visual Communication. IEEE Transactions on Image Processing, 2016, 25, 2844-2855.	6.0	41
42	Perceptual image quality assessment combining free-energy principle and sparse representation. , 2016, , .		15
43	Low-Rank Decomposition Based Restoration of Compressed Images via Adaptive Noise Estimation. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	47
44	Blind quality assessment of compressed images via pseudo structural similarity. , 2016, , .		28
45	Quantization bin matching for cloud storage of JPEG images. , 2016, , .		0
46	Data-Driven Soft Decoding of Compressed Images in Dual Transform-Pixel Domain. IEEE Transactions on Image Processing, 2016, 25, 1649-1659.	6.0	50
47	Sparsity-based joint gaze correction and face beautification for conferencing video. , 2015, , .		3
48	Inter-block consistent soft decoding of JPEG images with sparsity and graph-signal smoothness priors. , 2015, , .		21
49	Quality assessment for out-of-focus blurred images. , 2015, , .		4
50	Model-based low bit-rate video coding for resource-deficient wireless visual communication. Neurocomputing, 2015, 162, 180-190.	3.5	3
51	Data-driven sparsity-based restoration of JPEG-compressed images in dual transform-pixel domain. , 2015, , .		58
52	Joint gaze-correction and beautification of DIBR-synthesized human face via dual sparse coding. , 2014, , .		5
53	Scalable Compression of Stream Cipher Encrypted Images Through Context-Adaptive Sampling. IEEE Transactions on Information Forensics and Security, 2014, 9, 1857-1868.	4.5	34
54	Image Interpolation via Graph-Based Bayesian Label Propagation. IEEE Transactions on Image Processing, 2014, 23, 1084-1096.	6.0	47

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55	Progressive Image Denoising Through Hybrid Graph Laplacian Regularization: A Unified Framework. IEEE Transactions on Image Processing, 2014, 23, 1491-1503.	6.0	106
56	Estimation of capacity parameters for dynamic histogram shifting (DHS)-based reversible image watermarking. , 2014, , .		10
57	Designing an Efficient Image Encryption-Then-Compression System via Prediction Error Clustering and Random Permutation. IEEE Transactions on Information Forensics and Security, 2014, 9, 39-50.	4.5	145
58	Bidirectional-isomorphic manifold learning at image semantic understanding & representation. Multimedia Tools and Applications, 2013, 64, 53-76.	2.6	2
59	Progressive Image Restoration through Hybrid Graph Laplacian Regularization. , 2013, , .		3
60	Spatial error concealment via model based coupled sparse representation. , 2013, , .		2
61	On the design of an efficient encryption-then-compression system. , 2013, , .		11
62	Image Super-Resolution via Hierarchical and Collaborative Sparse Representation. , 2013, , .		4
63	Multi-scale Spatial Error Concealment via Hybrid Bayesian Regression. , 2012, , .		4
64	Low bit-rate video coding via mode-dependent adaptive regression for wireless visual communications. , 2012, , .		3
65	Web image interpolation via weighted total least squares regression. , 2012, , .		1
66	Sparse representation based visual element analysis. , 2011, , .		6
67	Transductive Regression with Local and Global Consistency for Image Super-Resolution. , 2011, , .		5
68	Image Interpolation Via Regularized Local Linear Regression. IEEE Transactions on Image Processing, 2011, 20, 3455-3469.	6.0	114
69	Side information extrapolation with temporal and spatial consistency. , 2011, , .		2
70	Saliency detection based on short-term sparse representation. , 2010, , .		13
71	Exploring statistical properties for semantic annotation: sparse distributed and convergent assumptions for keywords. , 2010, , .		1
72	Robust Stereo Matching Combining SIFT Descriptor with NCC under MRF Framework. , 2010, , .		6

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73	Visual saliency as sequential eye fixation probability. , 2010, , .		1
74	Image interpolation via regularized local linear regression. , 2010, , .		5
75	Joint learning for side information and correlation model based on linear regression model in distributed video coding. , 2009, , .		2
76	Local adaptive learning and fusion for side information interpolation in distributed video coding. , 2009, , .		1
77	Multi-hypothesis based multi-view distributed video coding. , 2009, , .		1
78	Improved low delay distributed video coding. , 2009, , .		3
79	Two-pass reconstruction in distributed video coding. , 2009, , .		1