Junhui Hou

List of Publications by Year
in descending order

126	5,632	159358	114278
papers	citations	30	63
		h-index	g-index

127	127	127	3118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semisupervised Affinity Matrix Learning via Dual-Channel Information Recovery. IEEE Transactions on Cybernetics, 2022, 52, 7919-7930.	6.2	9
2	Learning Low-Rank Graph With Enhanced Supervision. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2501-2506.	5.6	5
3	Maximum Entropy Subspace Clustering Network. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2199-2210.	5.6	13
4	Global-Local Balanced Low-Rank Approximation of Hyperspectral Images for Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2013-2024.	5.6	13
5	Deep Spatial-Angular Regularization for Light Field Imaging, Denoising, and Super-Resolution. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6094-6110.	9.7	29
6	Learning hyperspectral images from RGB images via a coarse-to-fine CNN. Science China Information Sciences, 2022, 65, 1.	2.7	32
7	A Hybrid Compression Framework for Color Attributes of Static 3D Point Clouds. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1564-1577.	5.6	49
8	Deep Coarse-to-Fine Dense Light Field Reconstruction With Flexible Sampling and Geometry-Aware Fusion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1819-1836.	9.7	42
9	Self-Supervised Symmetric Nonnegative Matrix Factorization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4526-4537.	5.6	5
10	Attention-Guided Progressive Neural Texture Fusion for High Dynamic Range Image Restoration. IEEE Transactions on Image Processing, 2022, 31, 2661-2672.	6.0	10
11	Occlusion-Aware Unsupervised Learning of Depth From 4-D Light Fields. IEEE Transactions on Image Processing, 2022, 31, 2216-2228.	6.0	17
12	Finding Stars From Fireworks: Improving Non-Cooperative Iris Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6137-6147.	5.6	5
13	Adaptive Attribute and Structure Subspace Clustering Network. IEEE Transactions on Image Processing, 2022, 31, 3430-3439.	6.0	12
14	A Spatial and Geometry Feature-Based Quality Assessment Model for the Light Field Images. IEEE Transactions on Image Processing, 2022, 31, 3765-3779.	6.0	8
15	Joint Optimization for Pairwise Constraint Propagation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3168-3180.	7.2	6
16	Model-Based Joint Bit Allocation Between Geometry and Color for Video-Based 3D Point Cloud Compression. IEEE Transactions on Multimedia, 2021, 23, 3278-3291.	5.2	27
17	Constrained Clustering With Dissimilarity Propagation-Guided Graph-Laplacian PCA. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3985-3997.	7.2	6
18	Categorical Matrix Completion With Active Learning for High-Throughput Screening. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2261-2270.	1.9	3

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19	Semisupervised Adaptive Symmetric Non-Negative Matrix Factorization. IEEE Transactions on Cybernetics, 2021, 51, 2550-2562.	6.2	43
20	Convolutional Neural Networks With Dynamic Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2299-2304.	7.2	14
21	A Light Field Image Quality Assessment Model Based on Symmetry and Depth Features. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2046-2050.	5.6	24
22	ASIF-Net: Attention Steered Interweave Fusion Network for RGB-D Salient Object Detection. IEEE Transactions on Cybernetics, 2021, 51, 88-100.	6.2	165
23	Patch Based Video Summarization With Block Sparse Representation. IEEE Transactions on Multimedia, 2021, 23, 732-747.	5.2	24
24	Underwater Image Enhancement via Medium Transmission-Guided Multi-Color Space Embedding. IEEE Transactions on Image Processing, 2021, 30, 4985-5000.	6.0	295
25	A Self-Training Approach for Point-Supervised Object Detection and Counting in Crowds. IEEE Transactions on Image Processing, 2021, 30, 2876-2887.	6.0	59
26	Multi-View Spectral Clustering Tailored Tensor Low-Rank Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4784-4797.	5.6	41
27	Subjective Quality Database and Objective Study of Compressed Point Clouds With 6DoF Head-Mounted Display. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4630-4644.	5.6	27
28	Reduced Reference Perceptual Quality Model With Application to Rate Control for Video-Based Point Cloud Compression. IEEE Transactions on Image Processing, 2021, 30, 6623-6636.	6.0	73
29	Hyperspectral Image Super-Resolution via Deep Progressive Zero-Centric Residual Learning. IEEE Transactions on Image Processing, 2021, 30, 1423-1438.	6.0	48
30	PQA-Net: Deep No Reference Point Cloud Quality Assessment via Multi-View Projection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4645-4660.	5.6	46
31	Deep Magnification-Flexible Upsampling Over 3D Point Clouds. IEEE Transactions on Image Processing, 2021, 30, 8354-8367.	6.0	27
32	Learning Spatial-angular Fusion for Compressive Light Field Imaging in a Cycle-consistent Framework. , 2021, , .		5
33	Deep Amended Gradient Descent for Efficient Spectral Reconstruction From Single RGB Images. IEEE Transactions on Computational Imaging, 2021, 7, 1176-1188.	2.6	16
34	Superpixel-Guided Discriminative Low-Rank Representation of Hyperspectral Images for Classification. IEEE Transactions on Image Processing, 2021, 30, 8823-8835.	6.0	16
35	Learning Dynamic Interpolation for Extremely Sparse Light Fields with Wide Baselines. , 2021, , .		9
36	Semantic-embedded Unsupervised Spectral Reconstruction from Single RGB Images in the Wild. , 2021, , .		12

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37	Going From RGB to RGBD Saliency: A Depth-Guided Transformation Model. IEEE Transactions on Cybernetics, 2020, 50, 3627-3639.	6.2	125
38	3D Point Cloud Attribute Compression Using Geometry-Guided Sparse Representation. IEEE Transactions on Image Processing, 2020, 29, 796-808.	6.0	53
39	Video summarization via block sparse dictionary selection. Neurocomputing, 2020, 378, 197-209.	3.5	62
40	3D Point Cloud Attribute Compression via Graph Prediction. IEEE Signal Processing Letters, 2020, 27, 176-180.	2.1	21
41	An Underwater Image Enhancement Benchmark Dataset and Beyond. IEEE Transactions on Image Processing, 2020, 29, 4376-4389.	6.0	805
42	Hyperspectral Image Classification via Sparse Representation With Incremental Dictionaries. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1598-1602.	1.4	11
43	Learning Light Field Angular Super-Resolution via a Geometry-Aware Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 11141-11148.	3.6	66
44	Light Field Image Quality Assessment via the Light Field Coherence. IEEE Transactions on Image Processing, 2020, 29, 7945-7956.	6.0	30
45	Zero-Reference Deep Curve Estimation for Low-Light Image Enhancement. , 2020, , .		751
46	Light Field Spatial Super-Resolution via Deep Combinatorial Geometry Embedding and Structural Consistency Regularization. , 2020, , .		87
47	Screen Content Video Quality Assessment: Subjective and Objective Study. IEEE Transactions on Image Processing, 2020, 29, 8636-8651.	6.0	18
48	Non-Negative Transfer Learning With Consistent Inter-Domain Distribution. IEEE Signal Processing Letters, 2020, 27, 1720-1724.	2.1	7
49	Clustering-Aware Graph Construction: A Joint Learning Perspective. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 357-370.	1.6	11
50	Accurate Light Field Depth Estimation via an Occlusion-Aware Network. , 2020, , .		15
51	Surface Consistent Light Field Extrapolation Over Stratified Disparity And Spatial Granularities. , 2020, , .		1
52	An Ensemble Rate Adaptation Framework for Dynamic Adaptive Streaming Over HTTP. IEEE Transactions on Broadcasting, 2020, 66, 251-263.	2.5	22
53	Pairwise Constraint Propagation With Dual Adversarial Manifold Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5575-5587.	7.2	16
54	Single image-based head pose estimation with spherical parametrization and 3D morphing. Pattern Recognition, 2020, 103, 107316.	5.1	23

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55	Lossy Geometry Compression Of 3d Point Cloud Data Via An Adaptive Octree-Guided Network. , 2020, , .		31
56	A Comprehensive Study and Comparison of Core Technologies for MPEG 3-D Point Cloud Compression. IEEE Transactions on Broadcasting, 2020, 66, 701-717.	2.5	70
57	Spatial and Temporal Consistency-Aware Dynamic Adaptive Streaming for 360-Degree Videos. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 177-193.	7.3	28
58	Correlation Filter Tracking via Distractor-Aware Learning and Multi-Anchor Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4810-4822.	5.6	9
59	Deep Spatial-Angular Regularization for Compressive Light Field Reconstruction over Coded Apertures. Lecture Notes in Computer Science, 2020, , 278-294.	1.0	21
60	Light Field Super-resolution via Attention-Guided Fusion of Hybrid Lenses. , 2020, , .		19
61	Nested Network With Two-Stream Pyramid for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9156-9166.	2.7	175
62	Deep Quadruplet Appearance Learning for Vehicle Re-Identification. IEEE Transactions on Vehicular Technology, 2019, 68, 8512-8522.	3.9	23
63	Imbalance-aware Pairwise Constraint Propagation. , 2019, , .		12
64	Semi-Supervised Non-Negative Matrix Factorization With Dissimilarity and Similarity Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-12.	7.2	31
65	Object Counting in Video Surveillance Using Multi-scale Density Map Regression. , 2019, , .		9
66	3D human pose estimation via human structure-aware fully connected network. Pattern Recognition Letters, 2019, 125, 404-410.	2.6	10
67	Correlation filter tracker with siamese: A robust and real-time object tracking framework. Neurocomputing, 2019, 358, 33-43.	3.5	14
68	Simultaneous Dimensionality Reduction and Classification via Dual Embedding Regularized Nonnegative Matrix Factorization. IEEE Transactions on Image Processing, 2019, 28, 3836-3847.	6.0	28
69	Pseudolabel Guided Kernel Learning for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1000-1011.	2.3	8
70	Permuted Sparse Representation for 3D Point Clouds. IEEE Signal Processing Letters, 2019, 26, 1847-1851.	2.1	5
71	ImmerTai: Immersive Motion Learning in VR Environments. Journal of Visual Communication and Image Representation, 2019, 58, 416-427.	1.7	44
72	Light Field Spatial Super-Resolution Using Deep Efficient Spatial-Angular Separable Convolution. IEEE Transactions on Image Processing, 2019, 28, 2319-2330.	6.0	130

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73	Light Field Image Compression Based on Bi-Level View Compensation With Rate-Distortion Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 517-530.	5.6	59
74	Simultaneous Spatial and Spectral Low-Rank Representation of Hyperspectral Images for Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2872-2886.	2.7	38
75	Semi-Supervised Spectral Clustering With Structured Sparsity Regularization. IEEE Signal Processing Letters, 2018, 25, 403-407.	2.1	28
76	Non-Cooperative Game Theory Based Rate Adaptation for Dynamic Video Streaming over HTTP. IEEE Transactions on Mobile Computing, 2018, 17, 2334-2348.	3.9	23
77	Light Field Compression With Disparity-Guided Sparse Coding Based on Structural Key Views. IEEE Transactions on Image Processing, 2018, 27, 314-324.	6.0	61
78	A multi-scale contrast-based image quality assessment model for multi-exposure image fusion. Signal Processing, 2018, 145, 233-240.	2.1	27
79	Robust Video Content Alignment and Compensation for Rain Removal in a CNN Framework. , 2018, , .		119
80	Light Field Spatial Super-resolution via CNN Guided by A Single High-resolution RGB Image. , 2018, , .		3
81	Hyperspectral Classification Via Spatial Context Exploration with Multi-Scale CNN. , 2018, , .		7
82	Light Filed Image Quality Assessment by Local and Global Features of Epipolar Plane Image. , 2018, , .		25
83	Convex Constrained Clustering with Graph-Laplacian Pca. , 2018, , .		8
84	Light Field Denoising via Anisotropic Parallax Analysis in a CNN Framework. IEEE Signal Processing Letters, 2018, 25, 1403-1407.	2.1	38
85	A Gabor Feature-Based Quality Assessment Model for the Screen Content Images. IEEE Transactions on Image Processing, 2018, 27, 4516-4528.	6.0	84
86	Accurate Light Field Depth Estimation With Superpixel Regularization Over Partially Occluded Regions. IEEE Transactions on Image Processing, 2018, 27, 4889-4900.	6.0	87
87	Pairwise Constraint Propagation-Induced Symmetric Nonnegative Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6348-6361.	7.2	56
88	Fast Light Field Reconstruction with Deep Coarse-to-Fine Modeling of Spatial-Angular Clues. Lecture Notes in Computer Science, 2018, , 138-154.	1.0	70
89	Model-Based Encoding Parameter Optimization for 3D Point Cloud Compression. , 2018, , .		12
90	Sparse Low-Rank Matrix Approximation for Data Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1043-1054.	5.6	24

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91	Hyperspectral Image Classification by Exploring Low-Rank Property in Spectral or/and Spatial Domain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2910-2921.	2.3	23
92	Learning Sensor-Specific Spatial-Spectral Features of Hyperspectral Images via Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4520-4533.	2.7	230
93	Sparse representation for colors of 3D point cloud via virtual adaptive sampling. , 2017, , .		19
94	Handwritten numeral recognition using multi-task learning. , 2017, , .		6
95	Fusing different levels of deep features by deep stacked neural network for hyperspectral images. , 2017, , .		0
96	Hyperspectral image super-resolution via convolutional neural network. , 2017, , .		20
97	Robust human activity recognition using lesser number of wearable sensors. , 2017, , .		9
98	Multi-view joint learning network for pedestrian gender classification. , 2017, , .		4
99	Video summarization via temporal collaborative representation of adjacent frames. , 2017, , .		11
100	A novel direction-based JND model for perceptual HEVC intra coding. , 2017, , .		3
101	Compression of 3D point clouds using 1D discrete cosine transform. , 2017, , .		3
102	Video Summarization via Simultaneous Block Sparse Representation. , 2017, , .		3
103	Learning sensor-specific features for hyperspectral images via 3-dimensional convolutional autoencoder. , 2017, , .		7
104	Graph-based transform for data decorrelation. , 2016, , .		5
105	Low-latency compression of mocap data using learned spatial decorrelation transform. Computer Aided Geometric Design, 2016, 43, 211-225.	0.5	9
106	Spectral Variation Alleviation by Low-Rank Matrix Approximation for Hyperspectral Image Analysis. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 796-800.	1.4	17
107	How to fully explore the low-rank property for data recovery of hyperspectral images. , 2016, , .		1
108	Integrating spectral and spatial information into deep convolutional Neural Networks for hyperspectral classification. , 2016, , .		43

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109	Sparse two-dimensional singular value decomposition. , 2016, , .		1
110	Facial Position and Expression-Based Human–Computer Interface for Persons With Tetraplegia. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 915-924.	3.9	25
111	Compressing 3-D Human Motions via Keyframe-Based Geometry Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 51-62.	5.6	27
112	Motion capture data recovery using skeleton constrained singular value thresholding. Visual Computer, 2015, 31, 1521-1532.	2.5	15
113	Human Motion Capture Data Tailored Transform Coding. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 848-859.	2.9	26
114	Fall Detection Based on Body Part Tracking Using a Depth Camera. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 430-439.	3.9	203
115	Low-rank based compact representation of motion capture data. , 2014, , .		3
116	A fast learning algorithm for multi-layer extreme learning machine. , 2014, , .		16
117	Restoring corrupted motion capture data via jointly low-rank matrix completion. , 2014, , .		6
118	Scalable and Compact Representation for Motion Capture Data Using Tensor Decomposition. IEEE Signal Processing Letters, 2014, 21, 255-259.	2.1	14
119	A Highly Efficient Compression Framework for Time-Varying 3-D Facial Expressions. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1541-1553.	5.6	24
120	Rate-Distortion Model Based Bit Allocation for 3-D Facial Compression Using Geometry Video. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1537-1541.	5.6	8
121	Human motion capture data recovery via trajectory-based sparse representation. , 2013, , .		13
122	Human motion capture data recovery using trajectory–based matrix completion. Electronics Letters, 2013, 49, 752-754.	0.5	24
123	Expression-invariant and sparse representation for mesh-based compression for 3-D face models. , 2013, , .		1
124	Consistent Video Quality Control in Scalable Video Coding Using Dependent Distortion Quantization Model. IEEE Transactions on Broadcasting, 2013, 59, 717-724.	2.5	11
125	Dynamic 3-D facial compression using low rank and sparse decomposition. , 2012, , .		4
126	A New Rate-Quantization Model for H.264/AVC Low-Delay Rate Control. Lecture Notes in Computer Science, 2012, , 492-500.	1.0	3