Hong Liu

List of Publications by Year in descending order

47 papers	2,084 citations	430874 18 h-index	377865 34 g-index
47 all docs	47 docs citations	47 times ranked	1779 citing authors

#	Article	IF	Citations
1	Enhanced skeleton visualization for view invariant human action recognition. Pattern Recognition, 2017, 68, 346-362.	8.1	575
2	Recurrent Squeeze-and-Excitation Context Aggregation Net for Single Image Deraining. Lecture Notes in Computer Science, 2018, , 262-277.	1.3	392
3	Incomplete Multiview Spectral Clustering With Adaptive Graph Learning. IEEE Transactions on Cybernetics, 2020, 50, 1418-1429.	9.5	195
4	Violence detection using Oriented VIolent Flows. Image and Vision Computing, 2016, 48-49, 37-41.	4.5	165
5	Fast and robust dynamic hand gesture recognition via key frames extraction and feature fusion. Neurocomputing, 2019, 331, 424-433.	5.9	88
6	AttentionGAN: Unpaired Image-to-Image Translation Using Attention-Guided Generative Adversarial Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1972-1987.	11.3	71
7	When Dictionary Learning Meets Deep Learning: Deep Dictionary Learning and Coding Network for Image Recognition With Limited Data. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2129-2141.	11.3	50
8	Depth Context: a new descriptor for human activity recognition by using sole depth sequences. Neurocomputing, 2016, 175, 747-758.	5.9	47
9	Bi-Directional Exponential Angular Triplet Loss for RGB-Infrared Person Re-Identification. IEEE Transactions on Image Processing, 2021, 30, 1583-1595.	9.8	43
10	Sample Fusion Network: An End-to-End Data Augmentation Network for Skeleton-Based Human Action Recognition. IEEE Transactions on Image Processing, 2019, 28, 5281-5295.	9.8	38
11	Binaural Sound Localization Based on Reverberation Weighting and Generalized Parametric Mapping. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1618-1632.	5.8	33
12	Unified Generative Adversarial Networks for Controllable Image-to-Image Translation. IEEE Transactions on Image Processing, 2020, 29, 8916-8929.	9.8	30
13	An Online Initialization and Self-Calibration Method for Stereo Visual-Inertial Odometry. IEEE Transactions on Robotics, 2020, 36, 1153-1170.	10.3	30
14	Sound Source Localization for HRI Using FOC-Based Time Difference Feature and Spatial Grid Matching. IEEE Transactions on Cybernetics, 2013, 43, 1199-1212.	9.5	27
15	Sequential Bag-of-Words model for human action classification. CAAI Transactions on Intelligence Technology, 2016, 1, 125-136.	8.1	22
16	A new descriptor of gradients Self-Similarity for smile detection in unconstrained scenarios. Neurocomputing, 2016, 174, 1077-1086.	5.9	21
17	A Discriminatively Learned Feature Embedding Based on Multi-Loss Fusion For Person Search. , 2018, , .		21
18	Robust Acoustic Localization Via Time-Delay Compensation and Interaural Matching Filter. IEEE Transactions on Signal Processing, 2015, 63, 4771-4783.	5.3	20

#	Article	IF	Citations
19	Enhancing direct‑path relative transfer function using deep neural network for robust sound source localization. CAAI Transactions on Intelligence Technology, 2022, 7, 446-454.	8.1	19
20	An Adaptive Method Based on Multiscale Dilated Convolutional Network for Binaural Speech Source Localization. Complexity, 2020, 2020, 1-7.	1.6	19
21	Multiple Sound Source Counting and Localization Based on TF-Wise Spatial Spectrum Clustering. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1241-1255.	5.8	17
22	Skew detection for complex document images using robust borderlines in both text and non-text regions. Pattern Recognition Letters, 2008, 29, 1893-1900.	4.2	16
23	Optimization-Based Online Initialization and Calibration of Monocular Visual-Inertial Odometry Considering Spatial-Temporal Constraints. Sensors, 2021, 21, 2673.	3.8	14
24	IRANet: Identity-relevance aware representation for cloth-changing person re-identification. Image and Vision Computing, 2022, 117, 104335.	4.5	14
25	Instance Enhancing Loss: Deep Identity-Sensitive Feature Embedding for Person Search. , 2018, , .		12
26	Learning Deep Direct-Path Relative Transfer Function for Binaural Sound Source Localization. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3491-3503.	5.8	12
27	Multiple sound source localization based on TDOA clustering and multi-path matching pursuit. , 2017, , .		11
28	Contact-free and pose-invariant hand-biometric-based personal identification system using RGB and depth data. Journal of Zhejiang University: Science C, 2014, 15, 525-536.	0.7	10
29	MISD-SLAM: Multimodal Semantic SLAM for Dynamic Environments. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	9
30	Regularizing Visual Semantic Embedding With Contrastive Learning for Image-Text Matching. IEEE Signal Processing Letters, 2022, 29, 1332-1336.	3.6	8
31	Human activity prediction by mapping grouplets to recurrent Self-Organizing Map. Neurocomputing, 2016, 177, 427-440.	5.9	6
32	Inertial measurement unit-camera calibration based on incomplete inertial sensor information. Journal of Zhejiang University: Science C, 2014, 15, 999-1008.	0.7	5
33	Gender Classification Using Pyramid Segmentation for Unconstrained Back-facing Video Sequences. , 2015, , .		5
34	Scene-adaptive hierarchical data association and depth-invariant part-based appearance model for indoor multiple objects tracking. CAAI Transactions on Intelligence Technology, 2016, 1, 210-224.	8.1	5
35	Multiple Sound Source Counting and Localization Based on Spatial Principal Eigenvector. , 0, , .		5
36	SRP-DNN: Learning Direct-Path Phase Difference for Multiple Moving Sound Source Localization. , 2022, , .		5

#	Article	IF	Citations
37	Identity-sensitive loss guided and instance feature boosted deep embedding for person search. Neurocomputing, 2020, 415, 1-14.	5.9	4
38	Image-to-video person re-identification using three-dimensional semantic appearance alignment and cross-modal interactive learning. Pattern Recognition, 2022, 122, 108314.	8.1	4
39	Body-structure based feature representation for person re-identification. , 2015, , .		3
40	Spontaneous versus posed smile recognition via region-specific texture descriptor and geometric facial dynamics. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 955-967.	2.6	3
41	Attend, Correct And Focus: A Bidirectional Correct Attention Network For Image-Text Matching. , 2021, , .		3
42	Integrating Point and Line Features for Visual-Inertial Initialization. , 2022, , .		3
43	Supervised Direct-Path Relative Transfer Function Learning for Binaural Sound Source Localization. , 2021, , .		2
44	Motion Rectification Network for Unsupervised Learning of Monocular Depth and Camera Motion. , 2020, , .		1
45	Two-layers Local Coordinate Coding. Communications in Computer and Information Science, 2015, , 34-45.	0.5	1
46	An Attention-Aware Model for Human Action Recognition on Tree-Based Skeleton Sequences. Lecture Notes in Computer Science, 2018, , 569-579.	1.3	0
47	A Robust Pixel-Aware Gyro-Aided KLT Feature Tracker for Large Camera Motions. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	0