

Hongxun Yao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132 papers	2,801 citations	27 h-index	50 g-index
157 ext. papers	3,470 ext. citations	3.9 avg, IF	5.58 L-index

#	Paper	IF	Citations
132	Auto-encoder based dimensionality reduction. <i>Neurocomputing</i> , 2016 , 184, 232-242	5.4	267
131	Sparse coding based visual tracking: Review and experimental comparison. <i>Pattern Recognition</i> , 2013 , 46, 1772-1788	7.7	254
130	Location Discriminative Vocabulary Coding for Mobile Landmark Search. <i>International Journal of Computer Vision</i> , 2012 , 96, 290-314	10.6	147
129	Exploring Principles-of-Art Features For Image Emotion Recognition 2014 ,		147
128	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 632-645	6.6	142
127	Robust visual tracking based on online learning sparse representation. <i>Neurocomputing</i> , 2013 , 100, 31-40	5.4	133
126	Predicting Personalized Image Emotion Perceptions in Social Networks. <i>IEEE Transactions on Affective Computing</i> , 2018 , 9, 526-540	5.7	90
125	Task-dependent visual-codebook compression. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 2282-938	7	81
124	Hedging Deep Features for Visual Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1116-1130	13.3	73
123	View-based 3D object retrieval via multi-modal graph learning. <i>Signal Processing</i> , 2015 , 112, 110-118	4.4	67
122	A Biologically Inspired Appearance Model for Robust Visual Tracking. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2357-2370	10.3	67
121	Affective Image Retrieval via Multi-Graph Learning 2014 ,		59
120	Predicting Personalized Emotion Perceptions of Social Images 2016 ,		57
119	Pix2Vox: Context-Aware 3D Reconstruction From Single and Multi-View Images 2019 ,		54
118	Photo assessment based on computational visual attention model 2009 ,		52
117	Strategy for dynamic 3D depth data matching towards robust action retrieval. <i>Neurocomputing</i> , 2015 , 151, 533-543	5.4	51
116	Night video enhancement using improved dark channel prior 2013 ,		43

115	GRNet: Gridding Residual Network for Dense Point Cloud Completion. <i>Lecture Notes in Computer Science</i> , 2020 , 365-381	0.9	40
114	Action recognition based on overcomplete independent components analysis. <i>Information Sciences</i> , 2014 , 281, 635-647	7.7	38
113	Social Attribute-Aware Force Model: Exploiting Richness of Interaction for Abnormal Crowd Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1231-1245	6.4	37
112	Adaptive NormalHedge for robust visual tracking. <i>Signal Processing</i> , 2015 , 110, 132-142	4.4	37
111	Towards low bit rate mobile visual search with multiple-channel coding 2011 ,		34
110	Abnormal crowd behavior detection based on social attribute-aware force model 2012 ,		34
109	Facial action unit recognition under incomplete data based on multi-label learning with missing labels. <i>Pattern Recognition</i> , 2016 , 60, 890-900	7.7	29
108	Discrete Probability Distribution Prediction of Image Emotions with Shared Sparse Learning. <i>IEEE Transactions on Affective Computing</i> , 2020 , 11, 574-587	5.7	29
107	View-based 3D object retrieval with discriminative views. <i>Neurocomputing</i> , 2017 , 252, 58-66	5.4	28
106	Hierarchical semantic image matching using CNN feature pyramid. <i>Computer Vision and Image Understanding</i> , 2018 , 169, 40-51	4.3	27
105	Actor-independent action search using spatiotemporal vocabulary with appearance hashing. <i>Pattern Recognition</i> , 2011 , 44, 624-638	7.7	26
104	Predicting discrete probability distribution of image emotions 2015 ,		25
103	Pix2Vox++: Multi-scale Context-aware 3D Object Reconstruction from Single and Multiple Images. <i>International Journal of Computer Vision</i> , 2020 , 128, 2919-2935	10.6	25
102	A PCA Based Visual DCT Feature Extraction Method for Lip-Reading 2006 ,		24
101	An Informative Feature Selection Method Based on Sparse PCA for VHR Scene Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 147-151	4.1	23
100	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 712-724	6.6	21
99	Multi-modal microblog classification via multi-task learning. <i>Multimedia Tools and Applications</i> , 2016 , 75, 8921-8938	2.5	21
98	Text image deblurring via two-tone prior. <i>Neurocomputing</i> , 2017 , 242, 1-14	5.4	20

97	Robust visual tracking via scale-and-state-awareness. <i>Neurocomputing</i> , 2019 , 329, 75-85	5.4	19
96	Deep Saliency Hashing for Fine-grained Retrieval. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	18
95	Flexible Presentation of Videos Based on Affective Content Analysis. <i>Lecture Notes in Computer Science</i> , 2013 , 368-379	0.9	18
94	Visual tracking via weakly supervised learning from multiple imperfect oracles 2010 ,		16
93	Emotion based image musicalization 2014 ,		15
92	Sparse coding based motion attention for abnormal event detection 2013 ,		15
91	Beyond particle flow: Bag of Trajectory Graphs for dense crowd event recognition 2013 ,		15
90	Unsupervised fast anomaly detection in crowds 2011 ,		14
89	Action recognition with multi-scale trajectory-pooled 3D convolutional descriptors. <i>Multimedia Tools and Applications</i> , 2019 , 78, 507-523	2.5	14
88	DRM: dynamic region matching for image retrieval using probabilistic fuzzy matching and boosting feature selection. <i>Signal, Image and Video Processing</i> , 2008 , 2, 59-71	1.6	13
87	Mean-Shift Blob Tracking with Adaptive Feature Selection and Scale Adaptation 2007 ,		13
86	Distinctive action sketch for human action recognition. <i>Signal Processing</i> , 2018 , 144, 323-332	4.4	12
85	Unsupervised semantic deep hashing. <i>Neurocomputing</i> , 2019 , 351, 19-25	5.4	11
84	Nighttime image enhancement based on image decomposition. <i>Signal, Image and Video Processing</i> , 2019 , 13, 189-197	1.6	11
83	A novel spectral-spatial classification technique for multispectral images using extended multi-attribute profiles and sparse autoencoder. <i>Remote Sensing Letters</i> , 2019 , 10, 30-38	2.3	11
82	Unsupervised discovery of crowd activities by saliency-based clustering. <i>Neurocomputing</i> , 2016 , 171, 347-361	5.4	10
81	An efficient way to refine DenseNet. <i>Signal, Image and Video Processing</i> , 2019 , 13, 959-965	1.6	10
80	Genetic Algorithm Based Optimal Block Mapping Method for LSB Substitution 2006 ,		10

79	Anomaly detection based on spatio-temporal sparse representation and visual attention analysis. <i>Multimedia Tools and Applications</i> , 2017 , 76, 6263-6279	2.5	9
78	Representing dense crowd patterns using bag of trajectory graphs. <i>Signal, Image and Video Processing</i> , 2014 , 8, 173-181	1.6	9
77	Saliency detection based on short-term sparse representation 2010 ,		9
76	Robust visual tracking using feature-based visual attention 2010 ,		9
75	EFFECTIVE AND AUTOMATIC CALIBRATION USING CONCENTRIC CIRCLES. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2008 , 22, 1379-1401	1.1	9
74	Dynamic background modeling and subtraction using spatio-temporal local binary patterns 2008 ,		9
73	Focal CTC Loss for Chinese Optical Character Recognition on Unbalanced Datasets. <i>Complexity</i> , 2019 , 2019, 1-11	1.6	8
72	Discriminative Features for Bird Species Classification 2014 ,		8
71	Dynamic multi-cue tracking using particle filter. <i>Signal, Image and Video Processing</i> , 2014 , 8, 95-101	1.6	8
70	Where should I stand? Learning based human position recommendation for mobile photographing. <i>Multimedia Tools and Applications</i> , 2014 , 69, 3-29	2.5	8
69	Affective Video Classification Based on Spatio-temporal Feature Fusion 2011 ,		7
68	Towards more efficient and flexible face image deblurring using robust salient face landmark detection. <i>Multimedia Tools and Applications</i> , 2017 , 76, 123-142	2.5	6
67	Robust background modeling via standard variance feature 2010 ,		6
66	Robust visual tracking via context objects computing 2011 ,		6
65	Aesthetic composition representation for portrait photographing recommendation 2012 ,		6
64	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2071-2082	6.6	6
63	Discovering discriminative patches for free-hand sketch analysis. <i>Multimedia Systems</i> , 2017 , 23, 691-701	2.2	5
62	Part-based fine-grained bird image retrieval respecting species correlation 2017 ,		5

61	Sparse representation based visual element analysis 2011 ,		5
60	Multl-resolution background subtraction for dynamic scenes 2009 ,		5
59	Random Sampling SVM Based Soft Query Expansion for Image Retrieval 2007 ,		5
58	A New Steganalysis Method for Adaptive Spread Spectrum Steganography 2006 ,		5
57	Handling missing labels and class imbalance challenges simultaneously for facial action unit recognition. <i>Multimedia Tools and Applications</i> , 2019 , 78, 20309-20332	2.5	4
56	Locally aggregated histogram-based descriptors. <i>Signal, Image and Video Processing</i> , 2018 , 12, 323-330	1.6	4
55	A modular latching chain. <i>Cognitive Neurodynamics</i> , 2014 , 8, 37-46	4.2	4
54	Visual & textual fusion for region retrieval 2007 ,		4
53	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 1425-1436	6.6	4
52	Toward 3D object reconstruction from stereo images. <i>Neurocomputing</i> , 2021 , 463, 444-453	5.4	4
51	Crowd video retrieval via deep attribute-embedding graph ranking 2016 ,		3
50	How many zero crossings? A method for structure-texture image decomposition. <i>Computers and Graphics</i> , 2017 , 68, 129-141	1.8	3
49	Dancing like a superstar: Action guidance based on pose estimation and conditional pose alignment 2017 ,		3
48	Distinctive action sketch 2015 ,		3
47	Structure-aware multi-object discovery for weakly supervised tracking 2014 ,		3
46	Robust Stereo Matching Combining SIFT Descriptor with NCC under MRF Framework 2010 ,		3
45	Universal Steganalysis Based on Statistical Models Using Reorganization of Block-based DCT Coefficients 2009 ,		3
44	DTW/ISODATA Algorithm and Multilayer Architecture in Sign Language Recognition with Large Vocabulary 2008 ,		3

43	Off-the-shelf CNN features for 3D object retrieval. <i>Multimedia Tools and Applications</i> , 2018 , 77, 19833-19849	2.5	2
42	Event patches: Mining effective parts for event detection and understanding. <i>Signal Processing</i> , 2018 , 149, 82-87	4.4	2
41	Rediscover flowers structurally. <i>Multimedia Tools and Applications</i> , 2018 , 77, 7851-7863	2.5	2
40	A VHR scene classification method integrating sparse PCA and saliency computing 2016 ,		2
39	Structured Textons for texture representation 2013 ,		2
38	What are we looking for: Towards statistical modeling of saccadic eye movements and visual saliency 2012 ,		2
37	Action retrieval based on generalized dynamic depth data matching 2012 ,		2
36	Spatial-temporal nonparametric background subtraction in dynamic scenes 2009 ,		2
35	A Real-Time Video Watermarking Using Adjacent Luminance Blocks Correlation Based on Compressed Domain 2008 ,		2
34	Visual Hull Embossment by Graph Cuts 2006 ,		2
33	Blind watermarking method based on DWT middle frequency pair		2
32	Sketch-specific data augmentation for freehand sketch recognition. <i>Neurocomputing</i> , 2021 ,	5.4	2
31	Exploring part-aware segmentation for fine-grained visual categorization. <i>Multimedia Tools and Applications</i> , 2018 , 77, 30291-30310	2.5	2
30	Latching chains in K-nearest-neighbor and modular small-world networks. <i>Network: Computation in Neural Systems</i> , 2015 , 26, 1-24	0.7	1
29	Gradual recovery based occluded digit images recognition. <i>Multimedia Tools and Applications</i> , 2019 , 78, 2571-2586	2.5	1
28	Bidirectional-isomorphic manifold learning at image semantic understanding & representation. <i>Multimedia Tools and Applications</i> , 2013 , 64, 53-76	2.5	1
27	Learning a discriminative dictionary for facial expression recognition 2015 ,		1
26	Histograms of locally aggregated oriented gradients 2015 ,		1

25	“Clustering by saliency” — Unsupervised discovery of crowd activities 2014,		1
24	The scale of edges 2012,		1
23	Preface: Internet multimedia computing and service. <i>Multimedia Tools and Applications</i> , 2012 , 70, 599	2.5	1
22	Exploring Implicit Image Statistics for Visual Representativeness Modeling 2013,		1
21	SIGMA: Spatial Integrated Matching Association algorithm for logo detection 2010,		1
20	Visual saliency as sequential eye fixation probability 2010,		1
19	Neighboring Image Patches Embedding for background modeling 2009,		1
18	What is a complete set of keywords for image description & annotation on the web 2009,		1
17	Sign Language Synthesis of Individuation Based on Data Model 2008,		1
16	Hierarchical background subtraction using local pixel clustering 2008,		1
15	Real-time image annotation by manifold-based biased Fisher discriminant analysis 2008,		1
14	An active volumetric model for 3D reconstruction 2005,		1
13	Part-Aware Segmentation for Fine-Grained Categorization. <i>Lecture Notes in Computer Science</i> , 2015 , 538-548	0.9	1
12	. <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1	6.6	1
11	Tree-guided Group Sparse based Representation for Person Re-identification 2016,		1
10	PRF-Ped: Multi-scale Pedestrian Detector with Prior-based Receptive Field 2021,		1
9	Cycle-Consistency Based Hierarchical Dense Semantic Correspondence 2018,		1
8	Unsupervised Discrete Hashing With Affinity Similarity. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 6130-6141	8.7	1

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| 7 | Actor identification via mining representative actions. <i>Neurocomputing</i> , 2017 , 244, 1-9 | 5.4 | ○ |
| 6 | Breaking video into pieces for action recognition. <i>Multimedia Tools and Applications</i> , 2017 , 76, 22195-22213 | 5.3 | ○ |
| 5 | Strategy for aesthetic photography recommendation via collaborative composition model. <i>IET Computer Vision</i> , 2015 , 9, 691-698 | 1.4 | |
| 4 | Magnetic Resonance Super-resolution Imaging Measurement with Dictionary-optimized Sparse Learning. <i>Measurement Science Review</i> , 2017 , 17, 145-152 | 1.7 | |
| 3 | Visual and textual fusion for semantically supervised region-based retrieval. <i>Multimedia Systems</i> , 2009 , 15, 201-219 | 2.2 | |
| 2 | GEOMETRIC AND ALGEBRAIC APPROACHES OF PLANAR STRUCTURE RECOVERY BASED ON PROPERTIES OF DUAL CONIC. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2009 , 23, 1753-1771 | 1.1 | |
| 1 | Sketch Based Model-Like Standing Style Recommendation. <i>Lecture Notes in Computer Science</i> , 2018 , 8256-8263 | 0.3 | |