

Hongxun Yao

List of Publications by Year in Descending Order

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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.

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|--------------------|-------------------------|----------------|-----------------|
| 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 | PRF-Ped: Multi-scale Pedestrian Detector with Prior-based Receptive Field 2021 , | | 1 |
| 131 | Sketch-specific data augmentation for freehand sketch recognition. <i>Neurocomputing</i> , 2021 , | 5.4 | 2 |
| 130 | Toward 3D object reconstruction from stereo images. <i>Neurocomputing</i> , 2021 , 463, 444-453 | 5.4 | 4 |
| 129 | Unsupervised Discrete Hashing With Affinity Similarity. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 6130-6141 | 8.7 | 1 |
| 128 | Deep Saliency Hashing for Fine-grained Retrieval. <i>IEEE Transactions on Image Processing</i> , 2020 , | 8.7 | 18 |
| 127 | GRNet: Gridding Residual Network for Dense Point Cloud Completion. <i>Lecture Notes in Computer Science</i> , 2020 , 365-381 | 0.9 | 40 |
| 126 | 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 |
| 125 | . <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1 | 6.6 | 1 |
| 124 | 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 |
| 123 | Unsupervised semantic deep hashing. <i>Neurocomputing</i> , 2019 , 351, 19-25 | 5.4 | 11 |
| 122 | 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 |
| 121 | An efficient way to refine DenseNet. <i>Signal, Image and Video Processing</i> , 2019 , 13, 959-965 | 1.6 | 10 |
| 120 | Focal CTC Loss for Chinese Optical Character Recognition on Unbalanced Datasets. <i>Complexity</i> , 2019 , 2019, 1-11 | 1.6 | 8 |
| 119 | Nighttime image enhancement based on image decomposition. <i>Signal, Image and Video Processing</i> , 2019 , 13, 189-197 | 1.6 | 11 |
| 118 | Gradual recovery based occluded digit images recognition. <i>Multimedia Tools and Applications</i> , 2019 , 78, 2571-2586 | 2.5 | 1 |
| 117 | Pix2Vox: Context-Aware 3D Reconstruction From Single and Multi-View Images 2019 , | | 54 |
| 116 | . <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 1425-1436 | 6.6 | 4 |

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| 115 | Robust visual tracking via scale-and-state-awareness. <i>Neurocomputing</i> , 2019 , 329, 75-85 | 5.4 | 19 |
| 114 | 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 |
| 113 | . <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2071-2082 | 6.6 | 6 |
| 112 | Action recognition with multi-scale trajectory-pooled 3D convolutional descriptors. <i>Multimedia Tools and Applications</i> , 2019 , 78, 507-523 | 2.5 | 14 |
| 111 | Hedging Deep Features for Visual Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1116-1130 | 13.3 | 73 |
| 110 | Off-the-shelf CNN Features for 3D object retrieval. <i>Multimedia Tools and Applications</i> , 2018 , 77, 19833-19849 | 2.5 | 2 |
| 109 | Hierarchical semantic image matching using CNN feature pyramid. <i>Computer Vision and Image Understanding</i> , 2018 , 169, 40-51 | 4.3 | 27 |
| 108 | Event patches: Mining effective parts for event detection and understanding. <i>Signal Processing</i> , 2018 , 149, 82-87 | 4.4 | 2 |
| 107 | Predicting Personalized Image Emotion Perceptions in Social Networks. <i>IEEE Transactions on Affective Computing</i> , 2018 , 9, 526-540 | 5.7 | 90 |
| 106 | Rediscover flowers structurally. <i>Multimedia Tools and Applications</i> , 2018 , 77, 7851-7863 | 2.5 | 2 |
| 105 | Distinctive action sketch for human action recognition. <i>Signal Processing</i> , 2018 , 144, 323-332 | 4.4 | 12 |
| 104 | Locally aggregated histogram-based descriptors. <i>Signal, Image and Video Processing</i> , 2018 , 12, 323-330 | 1.6 | 4 |
| 103 | Sketch Based Model-Like Standing Style Recommendation. <i>Lecture Notes in Computer Science</i> , 2018 , 8256-833 | | |
| 102 | Cycle-Consistency Based Hierarchical Dense Semantic Correspondence 2018 , | | 1 |
| 101 | Exploring part-aware segmentation for fine-grained visual categorization. <i>Multimedia Tools and Applications</i> , 2018 , 77, 30291-30310 | 2.5 | 2 |
| 100 | Discovering discriminative patches for free-hand sketch analysis. <i>Multimedia Systems</i> , 2017 , 23, 691-701 | 2.2 | 5 |
| 99 | 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 |
| 98 | 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 |

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|----|---|------|-----|
| 97 | Text image deblurring via two-tone prior. <i>Neurocomputing</i> , 2017 , 242, 1-14 | 5.4 | 20 |
| 96 | View-based 3D object retrieval with discriminative views. <i>Neurocomputing</i> , 2017 , 252, 58-66 | 5.4 | 28 |
| 95 | . <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 712-724 | 6.6 | 21 |
| 94 | Actor identification via mining representative actions. <i>Neurocomputing</i> , 2017 , 244, 1-9 | 5.4 | 0 |
| 93 | How many zero crossings? A method for structure-texture image decomposition. <i>Computers and Graphics</i> , 2017 , 68, 129-141 | 1.8 | 3 |
| 92 | Breaking video into pieces for action recognition. <i>Multimedia Tools and Applications</i> , 2017 , 76, 22195-22213 | 2.3 | 0 |
| 91 | . <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 632-645 | 6.6 | 142 |
| 90 | 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 |
| 89 | Magnetic Resonance Super-resolution Imaging Measurement with Dictionary-optimized Sparse Learning. <i>Measurement Science Review</i> , 2017 , 17, 145-152 | 1.7 | |
| 88 | Part-based fine-grained bird image retrieval respecting species correlation 2017 , | | 5 |
| 87 | Dancing like a superstar: Action guidance based on pose estimation and conditional pose alignment 2017 , | | 3 |
| 86 | Unsupervised discovery of crowd activities by saliency-based clustering. <i>Neurocomputing</i> , 2016 , 171, 347-361 | 5.4 | 10 |
| 85 | A VHR scene classification method integrating sparse PCA and saliency computing 2016 , | | 2 |
| 84 | Crowd video retrieval via deep attribute-embedding graph ranking 2016 , | | 3 |
| 83 | 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 |
| 82 | Predicting Personalized Emotion Perceptions of Social Images 2016 , | | 57 |
| 81 | Multi-modal microblog classification via multi-task learning. <i>Multimedia Tools and Applications</i> , 2016 , 75, 8921-8938 | 2.5 | 21 |
| 80 | 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 |

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|----|--|-----|-----|
| 79 | Auto-encoder based dimensionality reduction. <i>Neurocomputing</i> , 2016 , 184, 232-242 | 5.4 | 267 |
| 78 | Tree-guided Group Sparse based Representation for Person Re-identification 2016 , | | 1 |
| 77 | Strategy for aesthetic photography recommendation via collaborative composition model. <i>IET Computer Vision</i> , 2015 , 9, 691-698 | 1.4 | |
| 76 | View-based 3D object retrieval via multi-modal graph learning. <i>Signal Processing</i> , 2015 , 112, 110-118 | 4.4 | 67 |
| 75 | Strategy for dynamic 3D depth data matching towards robust action retrieval. <i>Neurocomputing</i> , 2015 , 151, 533-543 | 5.4 | 51 |
| 74 | 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 |
| 73 | 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 |
| 72 | Predicting discrete probability distribution of image emotions 2015 , | | 25 |
| 71 | Distinctive action sketch 2015 , | | 3 |
| 70 | Learning a discriminative dictionary for facial expression recognition 2015 , | | 1 |
| 69 | Histograms of locally aggregated oriented gradients 2015 , | | 1 |
| 68 | Adaptive NormalHedge for robust visual tracking. <i>Signal Processing</i> , 2015 , 110, 132-142 | 4.4 | 37 |
| 67 | Part-Aware Segmentation for Fine-Grained Categorization. <i>Lecture Notes in Computer Science</i> , 2015 , 538-548 | 0.9 | 1 |
| 66 | Action recognition based on overcomplete independent components analysis. <i>Information Sciences</i> , 2014 , 281, 635-647 | 7.7 | 38 |
| 65 | Emotion based image musicalization 2014 , | | 15 |
| 64 | Affective Image Retrieval via Multi-Graph Learning 2014 , | | 59 |
| 63 | Discriminative Features for Bird Species Classification 2014 , | | 8 |
| 62 | “Clustering by saliency”; “Unsupervised discovery of crowd activities” 2014 , | | 1 |

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|----|---|------|-----|
| 61 | Exploring Principles-of-Art Features For Image Emotion Recognition 2014 , | | 147 |
| 60 | Representing dense crowd patterns using bag of trajectory graphs. <i>Signal, Image and Video Processing</i> , 2014 , 8, 173-181 | 1.6 | 9 |
| 59 | Dynamic multi-cue tracking using particle filter. <i>Signal, Image and Video Processing</i> , 2014 , 8, 95-101 | 1.6 | 8 |
| 58 | Structure-aware multi-object discovery for weakly supervised tracking 2014 , | | 3 |
| 57 | 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 |
| 56 | A modular latching chain. <i>Cognitive Neurodynamics</i> , 2014 , 8, 37-46 | 4.2 | 4 |
| 55 | Bidirectional-isomorphic manifold learning at image semantic understanding & representation. <i>Multimedia Tools and Applications</i> , 2013 , 64, 53-76 | 2.5 | 1 |
| 54 | Structured Textons for texture representation 2013 , | | 2 |
| 53 | Robust visual tracking based on online learning sparse representation. <i>Neurocomputing</i> , 2013 , 100, 31-40, | 9.4 | 133 |
| 52 | Sparse coding based visual tracking: Review and experimental comparison. <i>Pattern Recognition</i> , 2013 , 46, 1772-1788 | 7.7 | 254 |
| 51 | Night video enhancement using improved dark channel prior 2013 , | | 43 |
| 50 | Sparse coding based motion attention for abnormal event detection 2013 , | | 15 |
| 49 | Exploring Implicit Image Statistics for Visual Representativeness Modeling 2013 , | | 1 |
| 48 | Beyond particle flow: Bag of Trajectory Graphs for dense crowd event recognition 2013 , | | 15 |
| 47 | Flexible Presentation of Videos Based on Affective Content Analysis. <i>Lecture Notes in Computer Science</i> , 2013 , 368-379 | 0.9 | 18 |
| 46 | Location Discriminative Vocabulary Coding for Mobile Landmark Search. <i>International Journal of Computer Vision</i> , 2012 , 96, 290-314 | 10.6 | 147 |
| 45 | What are we looking for: Towards statistical modeling of saccadic eye movements and visual saliency 2012 , | | 2 |
| 44 | Action retrieval based on generalized dynamic depth data matching 2012 , | | 2 |

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|----|---|-----|----|
| 43 | The scale of edges 2012 , | | 1 |
| 42 | Preface: Internet multimedia computing and service. <i>Multimedia Tools and Applications</i> , 2012 , 70, 599 | 2.5 | 1 |
| 41 | Task-dependent visual-codebook compression. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 2282-938.7 | | 81 |
| 40 | Abnormal crowd behavior detection based on social attribute-aware force model 2012 , | | 34 |
| 39 | Aesthetic composition representation for portrait photographing recommendation 2012 , | | 6 |
| 38 | Sparse representation based visual element analysis 2011 , | | 5 |
| 37 | Robust visual tracking via context objects computing 2011 , | | 6 |
| 36 | Actor-independent action search using spatiotemporal vocabulary with appearance hashing. <i>Pattern Recognition</i> , 2011 , 44, 624-638 | 7.7 | 26 |
| 35 | Unsupervised fast anomaly detection in crowds 2011 , | | 14 |
| 34 | Towards low bit rate mobile visual search with multiple-channel coding 2011 , | | 34 |
| 33 | Affective Video Classification Based on Spatio-temporal Feature Fusion 2011 , | | 7 |
| 32 | Saliency detection based on short-term sparse representation 2010 , | | 9 |
| 31 | SIGMA: Spatial Integrated Matching Association algorithm for logo detection 2010 , | | 1 |
| 30 | Robust Stereo Matching Combining SIFT Descriptor with NCC under MRF Framework 2010 , | | 3 |
| 29 | Robust background modeling via standard variance feature 2010 , | | 6 |
| 28 | Visual tracking via weakly supervised learning from multiple imperfect oracles 2010 , | | 16 |
| 27 | Visual saliency as sequential eye fixation probability 2010 , | | 1 |
| 26 | Robust visual tracking using feature-based visual attention 2010 , | | 9 |

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| 25 | Neighboring Image Patches Embedding for background modeling 2009 , | | 1 |
| 24 | Spatial-temporal nonparametric background subtraction in dynamic scenes 2009 , | | 2 |
| 23 | What is a complete set of keywords for image description & annotation on the web 2009 , | | 1 |
| 22 | Photo assessment based on computational visual attention model 2009 , | | 52 |
| 21 | Visual and textual fusion for semantically supervised region-based retrieval. <i>Multimedia Systems</i> , 2009 , 15, 201-219 | 2.2 | |
| 20 | Multl-resolution background subtraction for dynamic scenes 2009 , | | 5 |
| 19 | Universal Steganalysis Based on Statistical Models Using Reorganization of Block-based DCT Coefficients 2009 , | | 3 |
| 18 | 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 | |
| 17 | Sign Language Synthesis of Individuation Based on Data Model 2008 , | | 1 |
| 16 | DTW/ISODATA Algorithm and Multilayer Architecture in Sign Language Recognition with Large Vocabulary 2008 , | | 3 |
| 15 | EFFECTIVE AND AUTOMATIC CALIBRATION USING CONCENTRIC CIRCLES. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2008 , 22, 1379-1401 | 1.1 | 9 |
| 14 | Dynamic background modeling and subtraction using spatio-temporal local binary patterns 2008 , | | 9 |
| 13 | A Real-Time Video Watermarking Using Adjacent Luminance Blocks Correlation Based on Compressed Domain 2008 , | | 2 |
| 12 | Hierarchical background subtraction using local pixel clustering 2008 , | | 1 |
| 11 | Real-time image annotation by manifold-based biased Fisher discriminant analysis 2008 , | | 1 |
| 10 | 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 |
| 9 | Visual & textual fusion for region retrieval 2007 , | | 4 |
| 8 | Mean-Shift Blob Tracking with Adaptive Feature Selection and Scale Adaptation 2007 , | | 13 |

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| 7 | Random Sampling SVM Based Soft Query Expansion for Image Retrieval 2007 , | 5 |
| 6 | Visual Hull Embossment by Graph Cuts 2006 , | 2 |
| 5 | Genetic Algorithm Based Optimal Block Mapping Method for LSB Substitution 2006 , | 10 |
| 4 | A PCA Based Visual DCT Feature Extraction Method for Lip-Reading 2006 , | 24 |
| 3 | A New Steganalysis Method for Adaptive Spread Spectrum Steganography 2006 , | 5 |
| 2 | An active volumetric model for 3D reconstruction 2005 , | 1 |
| 1 | Blind watermarking method based on DWT middle frequency pair | 2 |