Xiaogang Wang

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Robust Self-Supervised LiDAR Odometry Via Representative Structure Discovery and 3D Inherent Error Modeling. IEEE Robotics and Automation Letters, 2022, 7, 1651-1658. | 5.1 | 10 |
| 2 | Person Re-Identification With Deep Kronecker-Product Matching and Group-Shuffling Random Walk. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1649-1665. | 13.9 | 8 |
| 3 | Face Recognition. , 2021, , 438-447. | | 0 |
| 4 | Face Recognition. , 2021, , 1-10. | | 0 |
| 5 | SSN: Learning Sparse Switchable Normalization via SparsestMax. International Journal of Computer Vision, 2020, 128, 2107-2125. | 15.6 | 3 |
| 6 | Zoom Out-and-In Network with Map Attention Decision for Region Proposal and Object Detection. International Journal of Computer Vision, 2019, 127, 225-238. | 15.6 | 64 |
| 7 | Deep Continuous Conditional Random Fields With Asymmetric Inter-Object Constraints for Online Multi-Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1011-1022. | 8.3 | 58 |
| 8 | LCrowdV: Generating labeled videos for pedestrian detectors training and crowd behavior learning. Neurocomputing, 2019, 337, 1-14. | 5.9 | 7 |
| 9 | FaceID-GAN: Learning a Symmetry Three-Player GAN for Identity-Preserving Face Synthesis. , 2018, , . | | 105 |
| 10 | End-to-End Deep Kronecker-Product Matching for Person Re-identification. , 2018, , . | | 107 |
| 11 | Diversity Regularized Spatiotemporal Attention for Video-Based Person Re-identification. , 2018, , . | | 218 |
| 12 | Improving Deep Visual Representation for Person Re-identification by Global and Local Image-language Association. Lecture Notes in Computer Science, 2018, , 56-73. | 1.3 | 86 |
| 13 | Learning Scene-Independent Group Descriptors for Crowd Understanding. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1290-1303. | 8.3 | 54 |
| 14 | Person Re-Identification by Saliency Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 356-370. | 13.9 | 161 |
| 15 | Crowded Scene Understanding by Deeply Learned Volumetric Slices. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 613-623. | 8.3 | 29 |
| 16 | Learning Deep Neural Networks for Vehicle Re-ID with Visual-spatio-Temporal Path Proposals. , 2017, , . | | 211 |
| 17 | Deep Learning for Visual Understanding [From the Guest Editors]. IEEE Signal Processing Magazine, 2017, 34, 24-25. | 5.6 | 4 |
| 18 | Learning Spatial Regularization with Image-Level Supervisions for Multi-label Image Classification. , 2017, , . | | 214 |

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Online Multi-object Tracking Using CNN-Based Single Object Tracker with Spatial-Temporal Attention Mechanism. , 2017, , . | | 255 |
| 20 | Learning Feature Pyramids for Human Pose Estimation. , 2017, , . | | 342 |
| 21 | Identity-Aware Textual-Visual Matching with Latent Co-attention. , 2017, , . | | 144 |
| 22 | Deep Learning for Scene-Independent Crowd Analysis. , 2017, , 209-252. | | 8 |
| 23 | Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution. , 2016, , . | | 113 |
| 24 | Structured Feature Learning for Pose Estimation. , 2016, , . | | 174 |
| 25 | Learning Deep Feature Representations with Domain Guided Dropout for Person Re-identification. , 2016, , . | | 666 |
| 26 | End-to-End Learning of Deformable Mixture of Parts and Deep Convolutional Neural Networks for Human Pose Estimation. , 2016, , . | | 175 |
| 27 | Sparsifying Neural Network Connections for Face Recognition. , 2016, , . | | 86 |
| 28 | Slicing Convolutional Neural Network for Crowd Video Understanding. , 2016, , . | | 50 |
| 29 | Object Detection from Video Tubelets with Convolutional Neural Networks. , 2016, , . | | 241 |
| 30 | Learning Mutual Visibility Relationship for Pedestrian Detection with a Deep Model. International Journal of Computer Vision, 2016, 120, 14-27. | 15.6 | 42 |
| 31 | Exemplar-AMMs: Recognizing Crowd Movements From Pedestrian Trajectories. IEEE Transactions on Multimedia, 2016, 18, 2398-2406. | 7.2 | 20 |
| 32 | Pedestrian Behavior Modeling From Stationary Crowds With Applications to Intelligent Surveillance. IEEE Transactions on Image Processing, 2016, 25, 4354-4368. | 9.8 | 56 |
| 33 | Pedestrian Behavior Understanding and Prediction with Deep Neural Networks. Lecture Notes in Computer Science, 2016, , 263-279. | 1.3 | 89 |
| 34 | Hybrid Deep Learning for Face Verification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1997-2009. | 13.9 | 74 |
| 35 | Partial Occlusion Handling in Pedestrian Detection With a Deep Model. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 2123-2137. | 8.3 | 45 |
| 36 | LCrowdV: Generating Labeled Videos for Simulation-Based Crowd Behavior Learning. Lecture Notes in Computer Science, 2016, , 709-727. | 1.3 | 10 |

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|----|--|------|-----------|
| 37 | Pedestrian Travel Time Estimation in Crowded Scenes. , 2015, , . | | 17 |
| 38 | Deep Learning Face Attributes in the Wild. , 2015, , . | | 3,518 |
| 39 | Understanding pedestrian behaviors from stationary crowd groups. , 2015, , . | | 154 |
| 40 | Cross-scene crowd counting via deep convolutional neural networks. , 2015, , . | | 635 |
| 41 | Deep Learning Strong Parts for Pedestrian Detection. , 2015, , . | | 348 |
| 42 | Deeply learned attributes for crowded scene understanding. , 2015, , . | | 172 |
| 43 | Saliency detection by multi-context deep learning. , 2015, , . | | 645 |
| 44 | Pedestrian detection aided by deep learning semantic tasks. , 2015, , . | | 268 |
| 45 | Multi-task Recurrent Neural Network for Immediacy Prediction. , 2015, , . | | 30 |
| 46 | Learning Deep Representation with Large-Scale Attributes. , 2015, , . | | 14 |
| 47 | Single-Pedestrian Detection Aided by Two-Pedestrian Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1875-1889. | 13.9 | 41 |
| 48 | Learning Collective Crowd Behaviors with Dynamic Pedestrian-Agents. International Journal of Computer Vision, 2015, 111, 50-68. | 15.6 | 100 |
| 49 | Learning Mid-level Filters for Person Re-identification. , 2014, , . | | 379 |
| 50 | Medical image classification with convolutional neural network. , 2014, , . | | 419 |
| 51 | Scene-Independent Group Profiling in Crowd. , 2014, , . | | 181 |
| 52 | Scene-Specific Pedestrian Detection for Static Video Surveillance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 361-374. | 13.9 | 125 |
| 53 | Multi-source Deep Learning for Human Pose Estimation. , 2014, , . | | 177 |
| 54 | MRF denoising with compressed sensing and adaptive filtering. , 2014, , . | | 13 |

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|----|---|------|-----------|
| 55 | Stable locality sensitive discriminant analysis for image recognition. Neural Networks, 2014, 54, 49-56. | 5.9 | 26 |
| 56 | Web Image Re-Ranking UsingQuery-Specific Semantic Signatures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 810-823. | 13.9 | 43 |
| 57 | Measuring Crowd Collectiveness. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1586-1599. | 13.9 | 118 |
| 58 | LO Regularized Stationary Time Estimation for Crowd Group Analysis. , 2014, , . | | 31 |
| 59 | Profiling stationary crowd groups. , 2014, , . | | 13 |
| 60 | Deep Learning Face Representation from Predicting 10,000 Classes. , 2014, , . | | 1,296 |
| 61 | Deep Learning of Scene-Specific Classifier for Pedestrian Detection. Lecture Notes in Computer Science, 2014, , 472-487. | 1.3 | 62 |
| 62 | Switchable Deep Network for Pedestrian Detection. , 2014, , . | | 165 |
| 63 | Lesion Detection and Characterization With Context Driven Approximation in Thoracic FDG PET-CT Images of NSCLC Studies. IEEE Transactions on Medical Imaging, 2014, 33, 408-421. | 8.9 | 25 |
| 64 | Person Re-identification: System Design and Evaluation Overview. Advances in Computer Vision and Pattern Recognition, 2014, , 351-370. | 1.3 | 39 |
| 65 | Crowd Tracking with Dynamic Evolution of Group Structures. Lecture Notes in Computer Science, 2014, , 139-154. | 1.3 | 26 |
| 66 | Face Identification. , 2014, , 279-285. | | 1 |
| 67 | Content-Based Photo Quality Assessment. IEEE Transactions on Multimedia, 2013, 15, 1930-1943. | 7.2 | 196 |
| 68 | Anchor concept graph distance for web image re-ranking. , 2013, , . | | 2 |
| 69 | Two-Dimensional Maximum Local Variation Based on Image Euclidean Distance for Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 3807-3817. | 9.8 | 30 |
| 70 | Agglomerative clustering via maximum incremental path integral. Pattern Recognition, 2013, 46, 3056-3065. | 8.1 | 98 |
| 71 | Deep Convolutional Network Cascade for Facial Point Detection. , 2013, , . | | 918 |
| 72 | Deep Learning Identity-Preserving Face Space. , 2013, , . | | 226 |

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|----|--|------|-----------|
| 73 | Multi-stage Contextual Deep Learning for Pedestrian Detection. , 2013, , . | | 104 |
| 74 | Image Transformation Based on Learning Dictionaries across Image Spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 367-380. | 13.9 | 113 |
| 75 | Intelligent multi-camera video surveillance: A review. Pattern Recognition Letters, 2013, 34, 3-19. | 4.2 | 565 |
| 76 | Visual Semantic Complex Network for Web Images. , 2013, , . | | 5 |
| 77 | Learning Semantic Signatures for 3D Object Retrieval. IEEE Transactions on Multimedia, 2013, 15, 369-377. | 7.2 | 29 |
| 78 | Counting Vehicles from Semantic Regions. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1016-1022. | 8.0 | 34 |
| 79 | Pedestrian Parsing via Deep Decompositional Network. , 2013, , . | | 91 |
| 80 | Measuring Crowd Collectiveness. , 2013, , . | | 88 |
| 81 | Joint Deep Learning for Pedestrian Detection. , 2013, , . | | 472 |
| 82 | Person Re-identification by Salience Matching. , 2013, , . | | 331 |
| 83 | Unsupervised Salience Learning for Person Re-identification. , 2013, , . | | 785 |
| 84 | Locally Aligned Feature Transforms across Views. , 2013, , . | | 380 |
| 85 | Modeling Mutual Visibility Relationship in Pedestrian Detection. , 2013, , . | | 99 |
| 86 | Hybrid Deep Learning for Face Verification. , 2013, , . | | 199 |
| 87 | A Deep Sum-Product Architecture for Robust Facial Attributes Analysis. , 2013, , . | | 61 |
| 88 | Single-Pedestrian Detection Aided by Multi-pedestrian Detection. , 2013, , . | | 107 |
| 89 | Human Reidentification with Transferred Metric Learning. Lecture Notes in Computer Science, 2013, , 31-44. | 1.3 | 217 |
| 90 | Multifold Bayesian Kernelization in Alzheimer's Diagnosis. Lecture Notes in Computer Science, 2013, 16, 303-310. | 1.3 | 24 |

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| 91 | Similarity Guided Feature Labeling for Lesion Detection. Lecture Notes in Computer Science, 2013, 16, 284-291. | 1.3 | 3 |
| 92 | Understanding collective crowd behaviors: Learning a Mixture model of Dynamic pedestrian-Agents. , 2012, , . | | 85 |
| 93 | A discriminative deep model for pedestrian detection with occlusion handling. , 2012, , . | | 77 |
| 94 | Transferring a generic pedestrian detector towards specific scenes. , 2012, , . | | 58 |
| 95 | IntentSearch: Capturing User Intention for One-Click Internet Image Search. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1342-1353. | 13.9 | 73 |
| 96 | Synthesizing oil painting surface geometry from a single photograph. , 2012, , . | | 3 |
| 97 | Hierarchical face parsing via deep learning. , 2012, , . | | 30 |
| 98 | Coherent Filtering: Detecting Coherent Motions from Crowd Clutters. Lecture Notes in Computer Science, 2012, , 857-871. | 1.3 | 82 |
| 99 | Content-based photo quality assessment. , 2011, , . | | 91 |
| 100 | Joint face alignment with a generic deformable face model. , 2011, , . | | 16 |
| 101 | Query-specific visual semantic spaces for web image re-ranking. , 2011, , . | | 41 |
| 102 | Coupled information-theoretic encoding for face photo-sketch recognition. , 2011, , . | | 265 |
| 103 | Tractography segmentation using a hierarchical Dirichlet processes mixture model. NeuroImage, 2011, 54, 290-302. | 4.2 | 54 |
| 104 | Action Recognition Using Topic Models. , 2011, , 311-332. | | 5 |
| 105 | Trajectory Analysis and Semantic Region Modeling Using Nonparametric Hierarchical Bayesian Models. International Journal of Computer Vision, 2011, 95, 287-312. | 15.6 | 145 |
| 106 | Optical flow estimation using learned sparse model. , 2011, , . | | 35 |
| 107 | Background Subtraction via Robust Dictionary Learning. Eurasip Journal on Image and Video Processing, 2011, 2011, 1-12. | 2.6 | 67 |
| 108 | Random field topic model for semantic region analysis in crowded scenes from tracklets. , 2011, , . | | 110 |

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|-----|--|------|-----------|
| 109 | Automatic adaptation of a generic pedestrian detector to a specific traffic scene. , 2011, , . | | 146 |
| 110 | Semantic Object Segmentation. , 2011, , 59-85. | | 0 |
| 111 | Correspondence-Free Activity Analysis and Scene Modeling in Multiple Camera Views. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 56-71. | 13.9 | 80 |
| 112 | Lighting and Pose Robust Face Sketch Synthesis. Lecture Notes in Computer Science, 2010, , 420-433. | 1.3 | 52 |
| 113 | Boosted multi-task learning for face verification with applications to web image and video search. , 2009, , . | | 32 |
| 114 | Face Photo-Sketch Synthesis and Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1955-1967. | 13.9 | 659 |
| 115 | Unsupervised Activity Perception in Crowded and Complicated Scenes Using Hierarchical Bayesian Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 539-555. | 13.9 | 339 |
| 116 | Tractography Segmentation Using a Hierarchical Dirichlet Processes Mixture Model. Lecture Notes in Computer Science, 2009, 21, 101-113. | 1.3 | 7 |
| 117 | Trajectory analysis and semantic region modeling using a nonparametric Bayesian model. , 2008, , . | | 38 |
| 118 | Correspondence-free multi-camera activity analysis and scene modeling. , 2008, , . | | 3 |
| 119 | Unsupervised Activity Perception by Hierarchical Bayesian Models. , 2007, , . | | 310 |
| 120 | Multi-class object tracking algorithm that handles fragmentation and grouping. , 2007, , . | | 53 |
| 121 | Shape and Appearance Context Modeling. , 2007, , . | | 357 |
| 122 | Random Sampling for Subspace Face Recognition. International Journal of Computer Vision, 2006, 70, 91-104. | 15.6 | 179 |
| 123 | Hallucinating Face by Eigentransformation. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2005, 35, 425-434. | 2.9 | 412 |
| 124 | Bayesian face recognition based on Gaussian mixture models. , 2004, , . | | 6 |
| 125 | Face Sketch Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 50-57. | 8.3 | 267 |
| 126 | A unified framework for subspace face recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 1222-1228. | 13.9 | 309 |

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|-----|--|-----|-----------|
| 127 | Hallucinating Face by Eigentransformation with Distortion Reduction. Lecture Notes in Computer Science, 2004, , 88-94. | 1.3 | 7 |
| 128 | Face Hallucination and Recognition. Lecture Notes in Computer Science, 2003, , 486-494. | 1.3 | 14 |
| 129 | Face sketch synthesis and recognition. , 2003, , . | | 133 |
| 130 | Unified subspace analysis for face recognition. , 2003, , . | | 49 |
| 131 | Bayesian face recognition using Gabor features. , 2003, , . | | 34 |
| 132 | <title>World Wide Web Based Image Search Engine Using Text and Image Content Features</title> . , 2003, , . | | 35 |
| 133 | Face photo recognition using sketch. , 0, , . | | 80 |
| 134 | An improved Bayesian face recognition algorithm in PCA subspace. , 0, , . | | 3 |
| 135 | Using random subspace to combine multiple features for face recognition. , 0, , . | | 4 |
| 136 | Random sampling LDA for face recognition. , 0, , . | | 49 |
| 137 | Improving indoor and outdoor face recognition using unified subspace analysis and gabor features. , 0, , . | | 2 |
| 138 | Dual-space linear discriminant analysis for face recognition. , 0, , . | | 129 |
| 139 | Subspace Analysis Using Random Mixture Models. , 0, , . | | 9 |
| 140 | DeepID-Net: Object Detection with Deformable Part Based Convolutional Neural Networks. , 0, . | | 1 |