

Wei-Shi Zheng

List of Publications by Citations

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151
papers

5,760
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38
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73
g-index

176
ext. papers

7,288
ext. citations

7
avg, IF

6.53
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 151 | Reidentification by Relative Distance Comparison. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 653-68 | 13.3 | 516 |
| 150 | 2011 , | | 393 |
| 149 | Person Re-Identification by Support Vector Ranking 2010 , | | 385 |
| 148 | Associating Groups of People 2009 , | | 223 |
| 147 | Robust principal component analysis based on maximum correntropy criterion. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1485-94 | 8.7 | 201 |
| 146 | Jointly learning heterogeneous features for RGB-D activity recognition 2015 , | | 187 |
| 145 | Person Re-Identification by Camera Correlation Aware Feature Augmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 392-408 | 13.3 | 175 |
| 144 | 2019 , | | 174 |
| 143 | Cross-View Asymmetric Metric Learning for Unsupervised Person Re-Identification 2017 , | | 154 |
| 142 | RGB-Infrared Cross-Modality Person Re-identification 2017 , | | 151 |
| 141 | Top-Push Video-Based Person Re-identification 2016 , | | 139 |
| 140 | An enhanced deep feature representation for person re-identification 2016 , | | 134 |
| 139 | Partial Person Re-Identification 2015 , | | 116 |
| 138 | Normalization of face illumination based on large-and small-scale features. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1807-21 | 8.7 | 105 |
| 137 | Towards Open-World Person Re-Identification by One-Shot Group-Based Verification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 591-606 | 13.3 | 101 |
| 136 | Fully convolutional network ensembles for white matter hyperintensities segmentation in MR images. <i>NeuroImage</i> , 2018 , 183, 650-665 | 7.9 | 95 |
| 135 | A Regularized Correntropy Framework for Robust Pattern Recognition. <i>Neural Computation</i> , 2011 , 23, 2074-2100 | 2.9 | 87 |

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|-----|--|------|----|
| 134 | Two-stage nonnegative sparse representation for large-scale face recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 35-46 | 10.3 | 85 |
| 133 | Jointly Learning Heterogeneous Features for RGB-D Activity Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 2186-2200 | 13.3 | 76 |
| 132 | Robust Depth-Based Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2588-2603 | 8.7 | 71 |
| 131 | One-pot fabrication of durable antibacterial cotton fabric coated with silver nanoparticles via carboxymethyl chitosan as a binder and stabilizer. <i>Carbohydrate Polymers</i> , 2019 , 204, 42-49 | 10.3 | 71 |
| 130 | Nonnegative sparse coding for discriminative semi-supervised learning 2011 , | | 70 |
| 129 | Matching NIR Face to VIS Face Using Transduction. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 501-514 | 8 | 67 |
| 128 | Multi-Scale Learning for Low-Resolution Person Re-Identification 2015 , | | 66 |
| 127 | 1D-LDA vs. 2D-LDA: When is vector-based linear discriminant analysis better than matrix-based?. <i>Pattern Recognition</i> , 2008 , 41, 2156-2172 | 7.7 | 65 |
| 126 | GA-fisher: A new LDA-based face recognition algorithm with selection of principal components. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 1065-78 | | 61 |
| 125 | SVStream: A Support Vector-Based Algorithm for Clustering Data Streams. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 1410-1424 | 4.2 | 59 |
| 124 | Unsupervised Person Re-Identification by Deep Asymmetric Metric Embedding. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 956-973 | 13.3 | 59 |
| 123 | Extraction of illumination invariant facial features from a single image using nonsubsampling contourlet transform. <i>Pattern Recognition</i> , 2010 , 43, 4177-4189 | 7.7 | 49 |
| 122 | Spatial-Temporal Graph Convolutional Network for Video-Based Person Re-Identification 2020 , | | 49 |
| 121 | Squeeze-and-Attention Networks for Semantic Segmentation 2020 , | | 49 |
| 120 | An Asymmetric Distance Model for Cross-View Feature Mapping in Person Reidentification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 1661-1675 | 6.4 | 47 |
| 119 | Cross-Scenario Transfer Person Reidentification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 1447-1460 | 6.4 | 47 |
| 118 | Real-Time RGB-D Activity Prediction by Soft Regression. <i>Lecture Notes in Computer Science</i> , 2016 , 280-296 | 6.9 | 45 |
| 117 | Image to Video Person Re-Identification by Learning Heterogeneous Dictionary Pair With Feature Projection Matrix. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 717-732 | 8 | 44 |

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| 116 | Early Action Prediction by Soft Regression. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2568-2583 | 13.3 | 43 |
| 115 | Fast Open-World Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2286-2300 | 8.7 | 40 |
| 114 | High-Quality Exposure Correction of Underexposed Photos 2018 , | | 39 |
| 113 | Unsupervised Person Re-Identification by Camera-Aware Similarity Consistency Learning 2019 , | | 37 |
| 112 | TW-Co-k-means: Two-level weighted collaborative k-means for multi-view clustering. <i>Knowledge-Based Systems</i> , 2018 , 150, 127-138 | 7.3 | 36 |
| 111 | Penalized preimage learning in kernel principal component analysis. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 551-70 | | 36 |
| 110 | Principal component analysis based on non-parametric maximum entropy. <i>Neurocomputing</i> , 2010 , 73, 1840-1852 | 5.4 | 36 |
| 109 | Long-Term Human Motion Prediction by Modeling Motion Context and Enhancing Motion Dynamics 2018 , | | 36 |
| 108 | Multi-task mid-level feature learning for micro-expression recognition. <i>Pattern Recognition</i> , 2017 , 66, 44-52 | 7.7 | 33 |
| 107 | Recovery of corrupted low-rank matrices via half-quadratic based nonconvex minimization 2011 , | | 32 |
| 106 | Semi-Supervised Multi-View Discrete Hashing for Fast Image Search. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2604-2617 | 8.7 | 31 |
| 105 | Online Hashing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2309-2322 | 10.3 | 31 |
| 104 | Spatial-temporal consistent labeling of tracked pedestrians across non-overlapping camera views. <i>Pattern Recognition</i> , 2011 , 44, 1121-1136 | 7.7 | 31 |
| 103 | Quantifying and transferring contextual information in object detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 762-77 | 13.3 | 30 |
| 102 | Deep Bilinear Learning for RGB-D Action Recognition. <i>Lecture Notes in Computer Science</i> , 2018 , 346-362 | 0.9 | 30 |
| 101 | Person Re-Identification by Contour Sketch Under Moderate Clothing Change. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 2029-2046 | 13.3 | 30 |
| 100 | RGB-IR Person Re-identification by Cross-Modality Similarity Preservation. <i>International Journal of Computer Vision</i> , 2020 , 128, 1765-1785 | 10.6 | 28 |
| 99 | How many clusters? A robust PSO-based local density model. <i>Neurocomputing</i> , 2016 , 207, 264-275 | 5.4 | 28 |

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| 98 | Multi-view collaborative locally adaptive clustering with Minkowski metric. <i>Expert Systems With Applications</i> , 2017 , 86, 307-320 | 7.8 | 27 |
| 97 | MIST: Multiple Instance Self-Training Framework for Video Anomaly Detection 2021 , | | 26 |
| 96 | Dual Illumination Estimation for Robust Exposure Correction. <i>Computer Graphics Forum</i> , 2019 , 38, 243-252 | | 26 |
| 95 | Learning person-person interaction in collective activity recognition. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1905-18 | 8.7 | 25 |
| 94 | Recognising Human-Object Interaction via Exemplar Based Modelling 2013 , | | 24 |
| 93 | Multiple metric learning based on bar-shape descriptor for person re-identification. <i>Pattern Recognition</i> , 2017 , 71, 218-234 | 7.7 | 20 |
| 92 | Maximal granularity structure and generalized multi-view discriminant analysis for person re-identification. <i>Pattern Recognition</i> , 2018 , 79, 79-96 | 7.7 | 20 |
| 91 | . <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 647-660 | 6.4 | 20 |
| 90 | Illumination invariant single face image recognition under heterogeneous lighting condition. <i>Pattern Recognition</i> , 2017 , 66, 313-327 | 7.7 | 19 |
| 89 | Action Assessment by Joint Relation Graphs 2019 , | | 19 |
| 88 | Deep asymmetric video-based person re-identification. <i>Pattern Recognition</i> , 2019 , 93, 430-441 | 7.7 | 18 |
| 87 | Perturbation LDA: Learning the difference between the class empirical mean and its expectation. <i>Pattern Recognition</i> , 2009 , 42, 764-779 | 7.7 | 18 |
| 86 | Efficient symmetry-driven fully convolutional network for multimodal brain tumor segmentation 2017 , | | 17 |
| 85 | Adversarial Open-World Person Re-Identification. <i>Lecture Notes in Computer Science</i> , 2018 , 287-303 | 0.9 | 16 |
| 84 | A Large-scale RGB-D Database for Arbitrary-view Human Action Recognition 2018 , | | 16 |
| 83 | Global-Local Temporal Saliency Action Prediction. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2272-2285 | | 15 |
| 82 | S3D-CNN: skeleton-based 3D consecutive-low-pooling neural network for fall detection. <i>Applied Intelligence</i> , 2020 , 50, 3521-3534 | 4.9 | 14 |
| 81 | One-pass online learning: A local approach. <i>Pattern Recognition</i> , 2016 , 51, 346-357 | 7.7 | 14 |

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| 80 | Extracting non-negative basis images using pixel dispersion penalty. <i>Pattern Recognition</i> , 2012 , 45, 2912-2926 | 14 | |
| 79 | Learning Multi-Attention Context Graph for Group-Based Re-Identification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP, | 13.3 | 13 |
| 78 | Case-based teaching using the Laboratory Animal System for learning C/C++ programming. <i>Computers and Education</i> , 2014 , 77, 39-49 | 9.5 | 13 |
| 77 | A facial sparse descriptor for single image based face recognition. <i>Neurocomputing</i> , 2012 , 93, 77-87 | 5.4 | 11 |
| 76 | Fine-Grained Shape-Appearance Mutual Learning for Cloth-Changing Person Re-Identification 2021 , | | 11 |
| 75 | Spectral-Spatial Transformer Network for Hyperspectral Image Classification: A Factorized Architecture Search Framework. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15 | 8.1 | 11 |
| 74 | Arbitrary-View Human Action Recognition: A Varying-View RGB-D Action Dataset. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 289-300 | 6.4 | 11 |
| 73 | One-pass person re-identification by sketch online discriminant analysis. <i>Pattern Recognition</i> , 2019 , 93, 237-250 | 7.7 | 10 |
| 72 | Learning 3D Shape Feature for Texture-insensitive Person Re-identification 2021 , | | 10 |
| 71 | Combined Depth Space based Architecture Search For Person Re-identification 2021 , | | 10 |
| 70 | Fine-Grained Person Re-identification. <i>International Journal of Computer Vision</i> , 2020 , 128, 1654-1672 | 10.6 | 10 |
| 69 | Action Knowledge Transfer for Action Prediction with Partial Videos. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 8118-8125 | 5 | 9 |
| 68 | Latent embeddings for collective activity recognition 2017 , | | 9 |
| 67 | Representation Learning for Scene Graph Completion via Jointly Structural and Visual Embedding 2018 , | | 9 |
| 66 | Weakly Supervised Discriminative Feature Learning With State Information for Person Identification 2020 , | | 9 |
| 65 | Sparse transfer for facial shape-from-shading. <i>Pattern Recognition</i> , 2017 , 68, 272-285 | 7.7 | 8 |
| 64 | Robust spectral regression for face recognition. <i>Neurocomputing</i> , 2013 , 118, 33-40 | 5.4 | 8 |
| 63 | Group Association: Assisting Re-identification by Visual Context 2014 , 183-201 | | 8 |

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| 62 | Approximate kernel competitive learning. <i>Neural Networks</i> , 2015 , 63, 117-32 | 9.1 | 7 |
| 61 | Unsupervised Learning for Optical Flow Estimation Using Pyramid Convolution LSTM 2019 , | | 7 |
| 60 | Discrimination of the behavioural dynamics of visually impaired infants via deep learning. <i>Nature Biomedical Engineering</i> , 2019 , 3, 860-869 | 19 | 7 |
| 59 | DBDNet: Learning Bi-directional Dynamics for Early Action Prediction 2019 , | | 7 |
| 58 | Fast Collective Activity Recognition Under Weak Supervision. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 29-43 | 8.7 | 7 |
| 57 | Joint adaptive manifold and embedding learning for unsupervised feature selection. <i>Pattern Recognition</i> , 2021 , 112, 107742 | 7.7 | 7 |
| 56 | Pedestrian re-Identification Based on Tree Branch Network with Local and Global Learning 2019 , | | 6 |
| 55 | Non-ideal class non-point light source quotient image for face relighting. <i>Signal Processing</i> , 2011 , 91, 1048-1053 | 4.4 | 6 |
| 54 | Weakly Supervised Open-Set Domain Adaptation by Dual-Domain Collaboration 2019 , | | 6 |
| 53 | Euler Clustering on Large-Scale Dataset. <i>IEEE Transactions on Big Data</i> , 2018 , 4, 502-515 | 3.2 | 5 |
| 52 | On Constrained Sparse Matrix Factorization 2007 , | | 5 |
| 51 | . <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 189-202 | 6.6 | 5 |
| 50 | PersonRank: Detecting Important People in Images 2018 , | | 5 |
| 49 | Learning an Intrinsic Image Decomposer Using Synthesized RGB-D Dataset. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 753-757 | 3.2 | 4 |
| 48 | Learning object-specific DAGs for multi-label material recognition. <i>Computer Vision and Image Understanding</i> , 2016 , 143, 183-190 | 4.3 | 4 |
| 47 | Robust large margin discriminant tangent analysis for face recognition. <i>Neural Computing and Applications</i> , 2012 , 21, 269-279 | 4.8 | 4 |
| 46 | A fast convex conjugated algorithm for sparse recovery. <i>Neurocomputing</i> , 2013 , 115, 178-185 | 5.4 | 4 |
| 45 | $l_2, 1$ Regularized correntropy for robust feature selection 2012 , | | 4 |

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| 44 | Transfer re-identification: From person to set-based verification 2012 , | | 4 |
| 43 | Deep Camouflage Images. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 12845-12852 | | 4 |
| 42 | Distilled Camera-Aware Self Training for Semi-Supervised Person Re-Identification. <i>IEEE Access</i> , 2019 , 7, 156752-156763 | 3.5 | 4 |
| 41 | Letter-Level Online Writer Identification. <i>International Journal of Computer Vision</i> , 2021 , 129, 1394-1409 | 10.6 | 4 |
| 40 | Deep Graph Metric Learning for Weakly Supervised Person Re-Identification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP, | 13.3 | 4 |
| 39 | Data Augmentation is More Important Than Model Architectures for Retinal Vessel Segmentation 2019 , | | 3 |
| 38 | Efficient and Switchable CNN for Crowd Counting Based on Embedded Terminal. <i>IEEE Access</i> , 2019 , 7, 51533-51541 | 3.5 | 3 |
| 37 | HEp-2 cells staining patterns classification via wavelet scattering network and random forest 2015 , | | 3 |
| 36 | Depth-based person re-identification 2015 , | | 3 |
| 35 | Restoration of a Frontal Illuminated Face Image Based on KPCA 2010 , | | 3 |
| 34 | Transductive VIS-NIR face matching 2012 , | | 3 |
| 33 | Reducing Impact of Inaccurate User Feedback in Face Retrieval 2008 , | | 3 |
| 32 | Face illumination normalization on large and small scale features 2008 , | | 3 |
| 31 | MIXGAN: Learning Concepts from Different Domains for Mixture Generation 2018 , | | 3 |
| 30 | Towards Unbiased Covid-19 Lesion Localisation And Segmentation Via Weakly Supervised Learning 2021 , | | 3 |
| 29 | A Decomposition Algorithm for the Sparse Generalized Eigenvalue Problem 2019 , | | 3 |
| 28 | Joint graph regularized dictionary learning and sparse ranking for multi-modal multi-shot person re-identification. <i>Pattern Recognition</i> , 2020 , 104, 107352 | 7.7 | 2 |
| 27 | Weighted Multi-view On-Line Competitive Clustering 2016 , | | 2 |

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| 26 | Fast Person Search Pipeline 2019 , | | 2 |
| 25 | Towards more reliable matching for person re-identification 2015 , | | 2 |
| 24 | Face Hallucination Through KPCA 2009 , | | 2 |
| 23 | Regularized Locality Preserving Learning of Pre-Image Problem in Kernel Principal Component Analysis 2006 , | | 2 |
| 22 | Weakly Supervised Learning on Pre-image Problem in Kernel Methods 2006 , | | 2 |
| 21 | Online visual tracking via correlation filter with convolutional networks 2016 , | | 2 |
| 20 | Retinal Artery/Vein Classification via Rotation Augmentation and Deeply Supervised U-net Segmentation 2019 , | | 2 |
| 19 | . <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1 | 6.6 | 2 |
| 18 | Kernel Methods for Facial Image Preprocessing 2011 , 389-409 | | 1 |
| 17 | Heterogeneous graph driven unsupervised domain adaptation of person re-identification. <i>Neurocomputing</i> , 2022 , 471, 1-11 | 5.4 | 1 |
| 16 | Adaptive Action Assessment. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP, | 13.3 | 1 |
| 15 | Adaptive Interaction Modeling via Graph Operations Search 2020 , | | 1 |
| 14 | Learning to Detect Important People in Unlabelled Images for Semi-Supervised Important People Detection 2020 , | | 1 |
| 13 | Joint regression and learning from pairwise rankings for personalized image aesthetic assessment. <i>Computational Visual Media</i> , 2021 , 7, 241-252 | 3.9 | 1 |
| 12 | Guest Editorial Introduction to the Special Issue on Large-Scale Visual Sensor Networks: Architectures and Applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 1249-1252 | 6.4 | 1 |
| 11 | HEp-2 specimen classification via deep CNNs and pattern histogram 2016 , | | 1 |
| 10 | GL-PAM RGB-D Gesture Recognition 2018 , | | 1 |
| 9 | Online deep transferable dictionary learning. <i>Pattern Recognition</i> , 2021 , 118, 108007 | 7.7 | 1 |

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| 8 | A deep learning model and human-machine fusion for prediction of EBV-associated gastric cancer from histopathology.. <i>Nature Communications</i> , 2022 , 13, 2790 | 17.4 | 1 |
| 7 | Joint Bilateral-Resolution Identity Modeling for Cross-Resolution Person Re-Identification. <i>International Journal of Computer Vision</i> ,1 | 10.6 | 0 |
| 6 | On large appearance change in visual tracking. <i>Neural Computing and Applications</i> , 2020 , 32, 6089-6109 | 4.8 | 0 |
| 5 | AR-CNN: an attention ranking network for learning urban perception. <i>Science China Information Sciences</i> , 2022 , 65, 1 | 3.4 | 0 |
| 4 | Semi-Supervised Action Quality Assessment with Self-Supervised Segment Feature Recovery. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022 , 1-1 | 6.4 | |
| 3 | Learning from partially annotated OPT images by contextual relevance ranking. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 429-36 | 0.9 | |
| 2 | Linear Dimension Reduction Techniques 2014 , 1-8 | | |
| 1 | Part Relational Mean Model for Group Re-Identification. <i>IEEE Access</i> , 2021 , 9, 46265-46279 | 3.5 | |