

Wei-Shi Zheng

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.

151
papers

5,760
citations

38
h-index

73
g-index

176
ext. papers

7,288
ext. citations

7
avg, IF

6.53
L-index

#	Paper	IF	Citations
151	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	
150	Heterogeneous graph driven unsupervised domain adaptation of person re-identification. <i>Neurocomputing</i> , 2022 , 471, 1-11	5.4	1
149	AR-CNN: an attention ranking network for learning urban perception. <i>Science China Information Sciences</i> , 2022 , 65, 1	3.4	0
148	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
147	MIST: Multiple Instance Self-Training Framework for Video Anomaly Detection 2021 ,		26
146	Fine-Grained Shape-Appearance Mutual Learning for Cloth-Changing Person Re-Identification 2021 ,		11
145	Learning 3D Shape Feature for Texture-insensitive Person Re-identification 2021 ,		10
144	Combined Depth Space based Architecture Search For Person Re-identification 2021 ,		10
143	Adaptive Action Assessment. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	1
142	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
141	Joint regression and learning from pairwise rankings for personalized image aesthetic assessment. <i>Computational Visual Media</i> , 2021 , 7, 241-252	3.9	1
140	Towards Unbiased Covid-19 Lesion Localisation And Segmentation Via Weakly Supervised Learning 2021 ,		3
139	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
138	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 189-202	6.6	5
137	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
136	Joint adaptive manifold and embedding learning for unsupervised feature selection. <i>Pattern Recognition</i> , 2021 , 112, 107742	7.7	7
135	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

134	Letter-Level Online Writer Identification. <i>International Journal of Computer Vision</i> , 2021 , 129, 1394-1409	10.6	4
133	Online deep transferable dictionary learning. <i>Pattern Recognition</i> , 2021 , 118, 108007	7.7	1
132	Part Relational Mean Model for Group Re-Identification. <i>IEEE Access</i> , 2021 , 9, 46265-46279	3.5	
131	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
130	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	2
129	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
128	S3D-CNN: skeleton-based 3D consecutive-low-pooling neural network for fall detection. <i>Applied Intelligence</i> , 2020 , 50, 3521-3534	4.9	14
127	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
126	RGB-IR Person Re-identification by Cross-Modality Similarity Preservation. <i>International Journal of Computer Vision</i> , 2020 , 128, 1765-1785	10.6	28
125	Fine-Grained Person Re-identification. <i>International Journal of Computer Vision</i> , 2020 , 128, 1654-1672	10.6	10
124	Adaptive Interaction Modeling via Graph Operations Search 2020 ,		1
123	Learning to Detect Important People in Unlabelled Images for Semi-Supervised Important People Detection 2020 ,		1
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	Weakly Supervised Discriminative Feature Learning With State Information for Person Identification 2020 ,		9
119	Deep Camouflage Images. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 12845-12852	12.852	4
118	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
117	Fast Collective Activity Recognition Under Weak Supervision. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 29-43	8.7	7

116	On large appearance change in visual tracking. <i>Neural Computing and Applications</i> , 2020 , 32, 6089-6109	4.8	0
115	Pedestrian re-Identification Based on Tree Branch Network with Local and Global Learning 2019 ,		6
114	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
113	Data Augmentation is More Important Than Model Architectures for Retinal Vessel Segmentation 2019 ,		3
112	Deep asymmetric video-based person re-identification. <i>Pattern Recognition</i> , 2019 , 93, 430-441	7.7	18
111	One-pass person re-identification by sketch online discriminant analysis. <i>Pattern Recognition</i> , 2019 , 93, 237-250	7.7	10
110	Efficient and Switchable CNN for Crowd Counting Based on Embedded Terminal. <i>IEEE Access</i> , 2019 , 7, 51533-51541	3.5	3
109	Early Action Prediction by Soft Regression. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2568-2583	13.3	43
108	Unsupervised Learning for Optical Flow Estimation Using Pyramid Convolution LSTM 2019 ,		7
107	Fast Person Search Pipeline 2019 ,		2
106	Discrimination of the behavioural dynamics of visually impaired infants via deep learning. <i>Nature Biomedical Engineering</i> , 2019 , 3, 860-869	19	7
105	DBDNet: Learning Bi-directional Dynamics for Early Action Prediction 2019 ,		7
104	Action Assessment by Joint Relation Graphs 2019 ,		19
103	Unsupervised Person Re-Identification by Camera-Aware Similarity Consistency Learning 2019 ,		37
102	Weakly Supervised Open-Set Domain Adaptation by Dual-Domain Collaboration 2019 ,		6
101	A Decomposition Algorithm for the Sparse Generalized Eigenvalue Problem 2019 ,		3
100	2019 ,		174
99	Retinal Artery/Vein Classification via Rotation Augmentation and Deeply Supervised U-net Segmentation 2019 ,		2

98	Dual Illumination Estimation for Robust Exposure Correction. <i>Computer Graphics Forum</i> , 2019 , 38, 243-252	24	26
97	Distilled Camera-Aware Self Training for Semi-Supervised Person Re-Identification. <i>IEEE Access</i> , 2019 , 7, 156752-156763	3.5	4
96	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
95	Maximal granularity structure and generalized multi-view discriminant analysis for person re-identification. <i>Pattern Recognition</i> , 2018 , 79, 79-96	7.7	20
94	Euler Clustering on Large-Scale Dataset. <i>IEEE Transactions on Big Data</i> , 2018 , 4, 502-515	3.2	5
93	Fast Open-World Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2286-2300	8.7	40
92	Global-Local Temporal Saliency Action Prediction. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2272-2285	27.85	15
91	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
90	Learning an Intrinsic Image Decomposer Using Synthesized RGB-D Dataset. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 753-757	3.2	4
89	Online Hashing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2309-2322	10.3	31
88	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
87	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
86	Fully convolutional network ensembles for white matter hyperintensities segmentation in MR images. <i>NeuroImage</i> , 2018 , 183, 650-665	7.9	95
85	Long-Term Human Motion Prediction by Modeling Motion Context and Enhancing Motion Dynamics 2018 ,		36
84	Representation Learning for Scene Graph Completion via Jointly Structural and Visual Embedding 2018 ,		9
83	MIXGAN: Learning Concepts from Different Domains for Mixture Generation 2018 ,		3
82	Adversarial Open-World Person Re-Identification. <i>Lecture Notes in Computer Science</i> , 2018 , 287-303	0.9	16
81	Deep Bilinear Learning for RGB-D Action Recognition. <i>Lecture Notes in Computer Science</i> , 2018 , 346-362	0.9	30

80	High-Quality Exposure Correction of Underexposed Photos 2018 ,		39
79	A Large-scale RGB-D Database for Arbitrary-view Human Action Recognition 2018 ,		16
78	GL-PAM RGB-D Gesture Recognition 2018 ,		1
77	PersonRank: Detecting Important People in Images 2018 ,		5
76	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
75	Illumination invariant single face image recognition under heterogeneous lighting condition. <i>Pattern Recognition</i> , 2017 , 66, 313-327	7.7	19
74	Robust Depth-Based Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2588-2603.	7	71
73	Semi-Supervised Multi-View Discrete Hashing for Fast Image Search. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2604-2617	8.7	31
72	Multiple metric learning based on bar-shape descriptor for person re-identification. <i>Pattern Recognition</i> , 2017 , 71, 218-234	7.7	20
71	Multi-view collaborative locally adaptive clustering with Minkowski metric. <i>Expert Systems With Applications</i> , 2017 , 86, 307-320	7.8	27
70	Sparse transfer for facial shape-from-shading. <i>Pattern Recognition</i> , 2017 , 68, 272-285	7.7	8
69	Multi-task mid-level feature learning for micro-expression recognition. <i>Pattern Recognition</i> , 2017 , 66, 44-52	7.7	33
68	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
67	Latent embeddings for collective activity recognition 2017 ,		9
66	RGB-Infrared Cross-Modality Person Re-identification 2017 ,		151
65	Efficient symmetry-driven fully convolutional network for multimodal brain tumor segmentation 2017 ,		17
64	Cross-View Asymmetric Metric Learning for Unsupervised Person Re-Identification 2017 ,		154
63	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

62	Real-Time RGB-D Activity Prediction by Soft Regression. <i>Lecture Notes in Computer Science</i> , 2016 , 280-296.9	45
61	Top-Push Video-Based Person Re-identification 2016 ,	139
60	An enhanced deep feature representation for person re-identification 2016 ,	134
59	Weighted Multi-view On-Line Competitive Clustering 2016 ,	2
58	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 647-660	6.4 20
57	Learning object-specific DAGs for multi-label material recognition. <i>Computer Vision and Image Understanding</i> , 2016 , 143, 183-190	4.3 4
56	Cross-Scenario Transfer Person Reidentification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 1447-1460	6.4 47
55	One-pass online learning: A local approach. <i>Pattern Recognition</i> , 2016 , 51, 346-357	7.7 14
54	HEp-2 specimen classification via deep CNNs and pattern histogram 2016 ,	1
53	Online visual tracking via correlation filter with convolutional networks 2016 ,	2
52	How many clusters? A robust PSO-based local density model. <i>Neurocomputing</i> , 2016 , 207, 264-275	5.4 28
51	Learning person-person interaction in collective activity recognition. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1905-18	8.7 25
50	Approximate kernel competitive learning. <i>Neural Networks</i> , 2015 , 63, 117-32	9.1 7
49	HEp-2 cells staining patterns classification via wavelet scattering network and random forest 2015 ,	3
48	Depth-based person re-identification 2015 ,	3
47	Towards more reliable matching for person re-identification 2015 ,	2
46	Partial Person Re-Identification 2015 ,	116
45	Multi-Scale Learning for Low-Resolution Person Re-Identification 2015 ,	66

44	Jointly learning heterogeneous features for RGB-D activity recognition 2015 ,		187
43	Matching NIR Face to VIS Face Using Transduction. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 501-514	8	67
42	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
41	Linear Dimension Reduction Techniques 2014 , 1-8		
40	Group Association: Assisting Re-identification by Visual Context 2014 , 183-201		8
39	Robust spectral regression for face recognition. <i>Neurocomputing</i> , 2013 , 118, 33-40	5.4	8
38	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
37	A fast convex conjugated algorithm for sparse recovery. <i>Neurocomputing</i> , 2013 , 115, 178-185	5.4	4
36	Reidentification by Relative Distance Comparison. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 653-68	13.3	516
35	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
34	Recognising Human-Object Interaction via Exemplar Based Modelling 2013 ,		24
33	Learning from partially annotated OPT images by contextual relevance ranking. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 429-36	0.9	
32	Extracting non-negative basis images using pixel dispersion penalty. <i>Pattern Recognition</i> , 2012 , 45, 2912-2926	7.7	14
31	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
30	Robust large margin discriminant tangent analysis for face recognition. <i>Neural Computing and Applications</i> , 2012 , 21, 269-279	4.8	4
29	$l_2, 1$ Regularized correntropy for robust feature selection 2012 ,		4
28	A facial sparse descriptor for single image based face recognition. <i>Neurocomputing</i> , 2012 , 93, 77-87	5.4	11
27	Transductive VIS-NIR face matching 2012 ,		3

26	Transfer re-identification: From person to set-based verification 2012 ,		4
25	Kernel Methods for Facial Image Preprocessing 2011 , 389-409		1
24	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
23	Robust principal component analysis based on maximum correntropy criterion. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1485-94	8.7	201
22	Spatial-temporal consistent labeling of tracked pedestrians across non-overlapping camera views. <i>Pattern Recognition</i> , 2011 , 44, 1121-1136	7.7	31
21	Recovery of corrupted low-rank matrices via half-quadratic based nonconvex minimization 2011 ,		32
20	Non-ideal class non-point light source quotient image for face relighting. <i>Signal Processing</i> , 2011 , 91, 1048-1053	4.4	6
19	2011 ,		393
18	A Regularized Correntropy Framework for Robust Pattern Recognition. <i>Neural Computation</i> , 2011 , 23, 2074-2100	2.9	87
17	Nonnegative sparse coding for discriminative semi-supervised learning 2011 ,		70
16	Person Re-Identification by Support Vector Ranking 2010 ,		385
15	Restoration of a Frontal Illuminated Face Image Based on KPCA 2010 ,		3
14	Penalized preimage learning in kernel principal component analysis. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 551-70		36
13	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
12	Principal component analysis based on non-parametric maximum entropy. <i>Neurocomputing</i> , 2010 , 73, 1840-1852	5.4	36
11	Face Hallucination Through KPCA 2009 ,		2
10	Perturbation LDA: Learning the difference between the class empirical mean and its expectation. <i>Pattern Recognition</i> , 2009 , 42, 764-779	7.7	18
9	Associating Groups of People 2009 ,		223

8	Reducing Impact of Inaccurate User Feedback in Face Retrieval 2008 ,		3
7	Face illumination normalization on large and small scale features 2008 ,		3
6	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
5	On Constrained Sparse Matrix Factorization 2007 ,		5
4	Regularized Locality Preserving Learning of Pre-Image Problem in Kernel Principal Component Analysis 2006 ,		2
3	Weakly Supervised Learning on Pre-image Problem in Kernel Methods 2006 ,		2
2	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
1	Joint Bilateral-Resolution Identity Modeling for Cross-Resolution Person Re-Identification. <i>International Journal of Computer Vision</i> ,1	10.6	0