

Ran He

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.

99
papers

3,394
citations

25
h-index

57
g-index

111
ext. papers

4,474
ext. citations

6
avg, IF

6.11
L-index

#	Paper	IF	Citations
99	A Light CNN for Deep Face Representation With Noisy Labels. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 2884-2896	8	425
98	Maximum Correntropy Criterion for Robust Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 1561-76	13.3	401
97	Beyond Face Rotation: Global and Local Perception GAN for Photorealistic and Identity Preserving Frontal View Synthesis 2017 ,		266
96	Robust principal component analysis based on maximum correntropy criterion. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1485-94	8.7	201
95	Joint Feature Selection and Subspace Learning for Cross-Modal Retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 2010-23	13.3	192
94	Half-quadratic-based iterative minimization for robust sparse representation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 261-75	13.3	166
93	Learning Coupled Feature Spaces for Cross-Modal Matching 2013 ,		147
92	Wavelet-SRNet: A Wavelet-Based CNN for Multi-scale Face Super Resolution 2017 ,		139
91	Wasserstein CNN: Learning Invariant Features for NIR-VIS Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1761-1773	13.3	112
90	Gabor Ordinal Measures for Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 14-26	8	89
89	A Regularized Correntropy Framework for Robust Pattern Recognition. <i>Neural Computation</i> , 2011 , 23, 2074-2100	2.9	87
88	Pose-Guided Photorealistic Face Rotation 2018 ,		73
87	Multi-view clustering via pairwise sparse subspace representation. <i>Neurocomputing</i> , 2015 , 156, 12-21	5.4	72
86	Geometry Guided Adversarial Facial Expression Synthesis 2018 ,		52
85	Aggregating Randomized Clustering-Promoting Invariant Projections for Domain Adaptation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1027-1042	13.3	47
84	Adversarial Cross-Spectral Face Completion for NIR-VIS Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 1025-1037	13.3	43
83	Cross-Modal Subspace Learning via Pairwise Constraints. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5543-56	8.7	41

82	Exploring uncertainty in pseudo-label guided unsupervised domain adaptation. <i>Pattern Recognition</i> , 2019 , 96, 106996	7.7	41
81	Disentangled Variational Representation for Heterogeneous Face Recognition. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 9005-9012	5	39
80	Principal component analysis based on non-parametric maximum entropy. <i>Neurocomputing</i> , 2010 , 73, 1840-1852	5.4	36
79	DeMeshNet: Blind Face Inpainting for Deep MeshFace Verification. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 637-647	8	32
78	Global and Local Consistent Age Generative Adversarial Networks 2018 ,		31
77	Robust Subspace Clustering via Half-Quadratic Minimization 2013 ,		28
76	2013 ,		25
75	Wavelet Domain Generative Adversarial Network for Multi-scale Face Hallucination. <i>International Journal of Computer Vision</i> , 2019 , 127, 763-784	10.6	25
74	Robust Discriminant Analysis Based on Nonparametric Maximum Entropy. <i>Lecture Notes in Computer Science</i> , 2009 , 120-134	0.9	23
73	Highly Accurate and Fast Face Recognition Using Near Infrared Images. <i>Lecture Notes in Computer Science</i> , 2005 , 151-158	0.9	23
72	3D Aided Duet GANs for Multi-View Face Image Synthesis. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 2028-2042	8	23
71	Learning predictable binary codes for face indexing. <i>Pattern Recognition</i> , 2015 , 48, 3160-3168	7.7	22
70	Geometry-Aware Face Completion and Editing. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 2506-2513	5	21
69	. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 2943-2957	8	19
68	Pose-preserving Cross Spectral Face Hallucination 2019 ,		19
67	Learning a bi-level adversarial network with global and local perception for makeup-invariant face verification. <i>Pattern Recognition</i> , 2019 , 90, 99-108	7.7	18
66	Transformation invariant subspace clustering. <i>Pattern Recognition</i> , 2016 , 59, 142-155	7.7	18
65	Deep Audio-visual Learning: A Survey. <i>International Journal of Automation and Computing</i> , 2021 , 18, 351-376	3.76	18

64	DVG-Face: Dual Variational Generation for Heterogeneous Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	18
63	Visual-Semantic Graph Reasoning for Pedestrian Attribute Recognition. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 8634-8641	5	16
62	Extracting non-negative basis images using pixel dispersion penalty. <i>Pattern Recognition</i> , 2012 , 45, 2912-2926	7.2	14
61	Learning structured ordinal measures for video based face recognition. <i>Pattern Recognition</i> , 2018 , 75, 4-14	7.7	13
60	Face Recognition by Discriminant Analysis with Gabor Tensor Representation. <i>Lecture Notes in Computer Science</i> , 2007 , 87-95	0.9	13
59	Cross-Spectral Face Hallucination via Disentangling Independent Factors 2020 ,		13
58	M2FPA: A Multi-Yaw Multi-Pitch High-Quality Dataset and Benchmark for Facial Pose Analysis 2019 ,		13
57	CM-NAS: Cross-Modality Neural Architecture Search for Visible-Infrared Person Re-Identification 2021 ,		12
56	A Survey of Deep Facial Attribute Analysis. <i>International Journal of Computer Vision</i> , 2020 , 128, 2002-2034	10.6	11
55	Deep label refinement for age estimation. <i>Pattern Recognition</i> , 2020 , 100, 107178	7.7	11
54	A Balanced and Uncertainty-Aware Approach for Partial Domain Adaptation. <i>Lecture Notes in Computer Science</i> , 2020 , 123-140	0.9	10
53	Memory Oriented Transfer Learning for Semi-Supervised Image Deraining 2021 ,		9
52	Arbitrary Talking Face Generation via Attentional Audio-Visual Coherence Learning 2020 ,		9
51	MEAD: A Large-Scale Audio-Visual Dataset for Emotional Talking-Face Generation. <i>Lecture Notes in Computer Science</i> , 2020 , 700-717	0.9	9
50	Towards High Fidelity Face Frontalization in the Wild. <i>International Journal of Computer Vision</i> , 2020 , 128, 1485-1504	10.6	9
49	Diagnostic Classification for Human Autism and Obsessive-Compulsive Disorder Based on Machine Learning From a Primate Genetic Model. <i>American Journal of Psychiatry</i> , 2021 , 178, 65-76	11.9	9
48	High-Fidelity Face Manipulation With Extreme Poses and Expressions. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 2218-2231	8	9
47	FA-GAN: Face Augmentation GAN for Deformation-Invariant Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 2341-2355	8	9

46	Robust spectral regression for face recognition. <i>Neurocomputing</i> , 2013 , 118, 33-40	5.4	8
45	Information Bottleneck Disentanglement for Identity Swapping 2021 ,		8
44	Learning disentangling and fusing networks for face completion under structured occlusions. <i>Pattern Recognition</i> , 2020 , 99, 107073	7.7	8
43	Coupled adversarial learning for semi-supervised heterogeneous face recognition. <i>Pattern Recognition</i> , 2021 , 110, 107618	7.7	8
42	LAMP-HQ: A Large-Scale Multi-pose High-Quality Database and Benchmark for NIR-VIS Face Recognition. <i>International Journal of Computer Vision</i> , 2021 , 129, 1467-1483	10.6	8
41	Learning an Evolutionary Embedding via Massive Knowledge Distillation. <i>International Journal of Computer Vision</i> , 2020 , 128, 2089-2106	10.6	7
40	Inconsistency-Aware Wavelet Dual-Branch Network for Face Forgery Detection. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2021 , 3, 308-319	4.3	7
39	ScleraSegNet: an Improved U-Net Model with Attention for Accurate Sclera Segmentation 2019 ,		7
38	TF-NAS: Rethinking Three Search Freedoms of Latency-Constrained Differentiable Neural Architecture Search. <i>Lecture Notes in Computer Science</i> , 2020 , 123-139	0.9	6
37	Cross-sensor iris recognition using adversarial strategy and sensor-specific information 2019 ,		6
36	A General Framework for Deep Supervised Discrete Hashing. <i>International Journal of Computer Vision</i> , 2020 , 128, 2204-2222	10.6	6
35	Protecting Your Faces: MeshFaces Generation and Removal via High-Order Relation-Preserving CycleGAN 2018 ,		5
34	Nearest Feature Line: A Tangent Approximation 2008 ,		5
33	FaceInpainter: High Fidelity Face Adaptation to Heterogeneous Domains 2021 ,		5
32	Conditional Expression Synthesis with Face Parsing Transformation 2018 ,		5
31	Recurrent Prediction With Spatio-Temporal Attention for Crowd Attribute Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 1-1	6.4	4
30	Robust large margin discriminant tangent analysis for face recognition. <i>Neural Computing and Applications</i> , 2012 , 21, 269-279	4.8	4
29	A fast convex conjugated algorithm for sparse recovery. <i>Neurocomputing</i> , 2013 , 115, 178-185	5.4	4

28	Informative Sample Mining Network for Multi-domain Image-to-Image Translation. <i>Lecture Notes in Computer Science</i> , 2020 , 404-419	0.9	4
27	Cross-spectral Iris Recognition by Learning Device-specific Band. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	4
26	Disentangled Representation Learning of Makeup Portraits in the Wild. <i>International Journal of Computer Vision</i> , 2020 , 128, 2166-2184	10.6	4
25	Selective Wavelet Attention Learning for Single Image Deraining. <i>International Journal of Computer Vision</i> , 2021 , 129, 1282-1300	10.6	4
24	Free-Form Image Inpainting via Contrastive Attention Network 2021 ,		4
23	Partial NIR-VIS Heterogeneous Face Recognition With Automatic Saliency Search. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 5003-5017	8	3
22	Attributes Guided Feature Learning for Vehicle Re-Identification. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 1-11	4.1	3
21	Progressively Refined Face Detection Through Semantics-Enriched Representation Learning. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 1394-1406	8	3
20	Image Inpainting with Contrastive Relation Network 2021 ,		3
19	Explore semantic pixel sets based local patterns with information entropy for face recognition. <i>Eurasip Journal on Image and Video Processing</i> , 2014 , 2014,	2.5	2
18	Principal affinity based cross-modal retrieval 2015 ,		2
17	Pareidolia Face Reenactment 2021 ,		2
16	BLAN: Bi-directional ladder attentive network for facial attribute prediction. <i>Pattern Recognition</i> , 2020 , 100, 107155	7.7	2
15	Semantic-Aware Makeup Cleanser 2019 ,		2
14	AutoDet: Pyramid Network Architecture Search for Object Detection. <i>International Journal of Computer Vision</i> , 2021 , 129, 1087-1105	10.6	2
13	Towards More Discriminative and Robust Iris Recognition by Learning Uncertain Factors. <i>IEEE Transactions on Information Forensics and Security</i> , 2022 , 17, 865-879	8	2
12	Memory-Modulated Transformer Network for Heterogeneous Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2022 , 1-1	8	2
11	Heterogeneous Facial Analysis and Synthesis. <i>SpringerBriefs in Computer Science</i> , 2020 ,	0.4	1

10	Structure-aware conditional variational auto-encoder for constrained molecule optimization. <i>Pattern Recognition</i> , 2022 , 126, 108581	7.7	1
9	Hierarchical Face Aging Through Disentangled Latent Characteristics. <i>Lecture Notes in Computer Science</i> , 2020 , 86-101	0.9	1
8	Recent Advances on Cross-Domain Face Recognition. <i>Lecture Notes in Computer Science</i> , 2016 , 147-157	0.9	1
7	Deep momentum uncertainty hashing. <i>Pattern Recognition</i> , 2022 , 122, 108264	7.7	1
6	Talking Faces: Audio-to-Video Face Generation. <i>Advances in Computer Vision and Pattern Recognition</i> , 2022 , 163-188	1.1	0
5	Suggestion. <i>SpringerBriefs in Computer Science</i> , 2020 , 95-97	0.4	
4	Topology-Variant Synthesis. <i>SpringerBriefs in Computer Science</i> , 2020 , 53-94	0.4	
3	Topology-Invariant Synthesis. <i>SpringerBriefs in Computer Science</i> , 2020 , 25-51	0.4	
2	Foundation. <i>SpringerBriefs in Computer Science</i> , 2020 , 11-23	0.4	
1	Structure Sparsity for Multi-camera Gait Recognition. <i>Communications in Computer and Information Science</i> , 2012 , 259-267	0.3	