Ran He

List of Publications by Year in Descending Order

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	Talking Faces: Audio-to-Video Face Generation. *Advances in Computer Vision and Pattern Recognition*, **2022**, 163-188	1.1	0
98	Structure-aware conditional variational auto-encoder for constrained molecule optimization. *Pattern Recognition*, **2022**, 126, 108581	7.7	1
97	Deep momentum uncertainty hashing. *Pattern Recognition*, **2022**, 122, 108264	7.7	1
96	Towards More Discriminative and Robust Iris Recognition by Learning Uncertain Factors. *IEEE Transactions on Information Forensics and Security*, **2022**, 17, 865-879	8	2
95	Memory-Modulated Transformer Network for Heterogeneous Face Recognition. *IEEE Transactions on Information Forensics and Security*, **2022**, 1-1	8	2
94	Partial NIR-VIS Heterogeneous Face Recognition With Automatic Saliency Search. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 5003-5017	8	3
93	Pareidolia Face Reenactment **2021**,		2
92	Memory Oriented Transfer Learning for Semi-Supervised Image Deraining **2021**,		9
91	Information Bottleneck Disentanglement for Identity Swapping **2021**,		8
90	FaceInpainter: High Fidelity Face Adaptation to Heterogeneous Domains **2021**,		5
89	Attributes Guided Feature Learning for Vehicle Re-Identification. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 1-11	4.1	3
88	Cross-spectral Iris Recognition by Learning Device-specific Band. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	4
87	Deep Audio-visual Learning: A Survey. *International Journal of Automation and Computing*, **2021**, 18, 351-376	3.5	18
86	Inconsistency-Aware Wavelet Dual-Branch Network for Face Forgery Detection. *IEEE Transactions on Biometrics, Behavior, and Identity Science*, **2021**, 3, 308-319	4.3	7
85	Diagnostic Classification for Human Autism and Obsessive-Compulsive Disorder Based on Machine Learning From a Primate Genetic Model. *American Journal of Psychiatry*, **2021**, 178, 65-76	11.9	9
84	Coupled adversarial learning for semi-supervised heterogeneous face recognition. *Pattern Recognition*, **2021**, 110, 107618	7.7	8
83	DVG-Face: Dual Variational Generation for Heterogeneous Face Recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, PP,	13.3	18

82	Image Inpainting with Contrastive Relation Network **2021**,		3
81	AutoDet: Pyramid Network Architecture Search for Object Detection. *International Journal of Computer Vision*, **2021**, 129, 1087-1105	10.6	2
80	Selective Wavelet Attention Learning for Single Image Deraining. *International Journal of Computer Vision*, **2021**, 129, 1282-1300	10.6	4
79	High-Fidelity Face Manipulation With Extreme Poses and Expressions. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 2218-2231	8	9
78	Free-Form Image Inpainting via Contrastive Attention Network **2021**,		4
77	LAMP-HQ: A Large-Scale Multi-pose High-Quality Database and Benchmark for NIR-VIS Face Recognition. *International Journal of Computer Vision*, **2021**, 129, 1467-1483	10.6	8
76	FA-GAN: Face Augmentation GAN for Deformation-Invariant Face Recognition. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 2341-2355	8	9
75	CM-NAS: Cross-Modality Neural Architecture Search for Visible-Infrared Person Re-Identification **2021**,		12
74	Heterogeneous Facial Analysis and Synthesis. *SpringerBriefs in Computer Science*, **2020**,	0.4	1
73	A Survey of Deep Facial Attribute Analysis. *International Journal of Computer Vision*, **2020**, 128, 2002-2034	10.6	11
72	Learning an Evolutionary Embedding via Massive Knowledge Distillation. *International Journal of Computer Vision*, **2020**, 128, 2089-2106	10.6	7
71	Suggestion. *SpringerBriefs in Computer Science*, **2020**, 95-97	0.4	
70	A Balanced and Uncertainty-Aware Approach for Partial Domain Adaptation. *Lecture Notes in Computer Science*, **2020**, 123-140	0.9	10
69	Topology-Variant Synthesis. *SpringerBriefs in Computer Science*, **2020**, 53-94	0.4	
68	Hierarchical Face Aging Through Disentangled Latent Characteristics. *Lecture Notes in Computer Science*, **2020**, 86-101	0.9	1
67	Informative Sample Mining Network for Multi-domain Image-to-Image Translation. *Lecture Notes in Computer Science*, **2020**, 404-419	0.9	4
66	Arbitrary Talking Face Generation via Attentional Audio-Visual Coherence Learning **2020**,		9
65	Topology-Invariant Synthesis. *SpringerBriefs in Computer Science*, **2020**, 25-51	0.4	

64	Foundation. *SpringerBriefs in Computer Science*, **2020**, 11-23	0.4	
63	TF-NAS: Rethinking Three Search Freedoms of Latency-Constrained Differentiable Neural Architecture Search. *Lecture Notes in Computer Science*, **2020**, 123-139	0.9	6
62	MEAD: A Large-Scale Audio-Visual Dataset for Emotional Talking-Face Generation. *Lecture Notes in Computer Science*, **2020**, 700-717	0.9	9
61	Learning disentangling and fusing networks for face completion under structured occlusions. *Pattern Recognition*, **2020**, 99, 107073	7.7	8
60	Deep label refinement for age estimation. *Pattern Recognition*, **2020**, 100, 107178	7.7	11
59	Disentangled Representation Learning of Makeup Portraits in the Wild. *International Journal of Computer Vision*, **2020**, 128, 2166-2184	10.6	4
58	BLAN: Bi-directional ladder attentive network for facial attribute prediction. *Pattern Recognition*, **2020**, 100, 107155	7.7	2
57	Adversarial Cross-Spectral Face Completion for NIR-VIS Face Recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2020**, 42, 1025-1037	13.3	43
56	Cross-Spectral Face Hallucination via Disentangling Independent Factors **2020**,		13
55	Progressively Refined Face Detection Through Semantics-Enriched Representation Learning. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 1394-1406	8	3
54	Towards High Fidelity Face Frontalization in the Wild. *International Journal of Computer Vision*, **2020**, 128, 1485-1504	10.6	9
53	A General Framework for Deep Supervised Discrete Hashing. *International Journal of Computer Vision*, **2020**, 128, 2204-2222	10.6	6
52	Geometry-Aware Face Completion and Editing. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 2506-2513	5	21
51	Learning a bi-level adversarial network with global and local perception for makeup-invariant face verification. *Pattern Recognition*, **2019**, 90, 99-108	7.7	18
50	. *IEEE Transactions on Information Forensics and Security*, **2019**, 14, 2943-2957	8	19
49	Wasserstein CNN: Learning Invariant Features for NIR-VIS Face Recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2019**, 41, 1761-1773	13.3	112
48	Visual-Semantic Graph Reasoning for Pedestrian Attribute Recognition. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 8634-8641	5	16
47	Exploring uncertainty in pseudo-label guided unsupervised domain adaptation. *Pattern Recognition*, **2019**, 96, 106996	7.7	41

46	Recurrent Prediction With Spatio-Temporal Attention for Crowd Attribute Recognition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 1-1	6.4	4
45	Disentangled Variational Representation for Heterogeneous Face Recognition. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 9005-9012	5	39
44	Pose-preserving Cross Spectral Face Hallucination **2019**,		19
43	Wavelet Domain Generative Adversarial Network for Multi-scale Face Hallucination. *International Journal of Computer Vision*, **2019**, 127, 763-784	10.6	25
42	Semantic-Aware Makeup Cleanser **2019**,		2
41	Cross-sensor iris recognition using adversarial strategy and sensor-specific information **2019**,		6
40	ScleraSegNet: an Improved U-Net Model with Attention for Accurate Sclera Segmentation **2019**,		7
39	M2FPA: A Multi-Yaw Multi-Pitch High-Quality Dataset and Benchmark for Facial Pose Analysis **2019**,		13
38	3D Aided Duet GANs for Multi-View Face Image Synthesis. *IEEE Transactions on Information Forensics and Security*, **2019**, 14, 2028-2042	8	23
37	Aggregating Randomized Clustering-Promoting Invariant Projections for Domain Adaptation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2019**, 41, 1027-1042	13.3	47
36	DeMeshNet: Blind Face Inpainting for Deep MeshFace Verification. *IEEE Transactions on Information Forensics and Security*, **2018**, 13, 637-647	8	32
35	A Light CNN for Deep Face Representation With Noisy Labels. *IEEE Transactions on Information Forensics and Security*, **2018**, 13, 2884-2896	8	425
34	Learning structured ordinal measures for video based face recognition. *Pattern Recognition*, **2018**, 75, 4-14	7.7	13
33	Protecting Your Faces: MeshFaces Generation and Removal via High-Order Relation-Preserving CycleGAN **2018**,		5
32	Pose-Guided Photorealistic Face Rotation **2018**,		73
31	Conditional Expression Synthesis with Face Parsing Transformation **2018**,		5
30	Geometry Guided Adversarial Facial Expression Synthesis **2018**,		52
29	Global and Local Consistent Age Generative Adversarial Networks **2018**,		31

28	Beyond Face Rotation: Global and Local Perception GAN for Photorealistic and Identity Preserving Frontal View Synthesis **2017**,		266
27	Wavelet-SRNet: A Wavelet-Based CNN for Multi-scale Face Super Resolution **2017**,		139
26	Joint Feature Selection and Subspace Learning for Cross-Modal Retrieval. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2016**, 38, 2010-23	13.3	192
25	Transformation invariant subspace clustering. *Pattern Recognition*, **2016**, 59, 142-155	7.7	18
24	Recent Advances on Cross-Domain Face Recognition. *Lecture Notes in Computer Science*, **2016**, 147-157	0.9	1
23	Learning predictable binary codes for face indexing. *Pattern Recognition*, **2015**, 48, 3160-3168	7.7	22
22	Cross-Modal Subspace Learning via Pairwise Constraints. *IEEE Transactions on Image Processing*, **2015**, 24, 5543-56	8.7	41
21	Principal affinity based cross-modal retrieval **2015**,		2
20	Multi-view clustering via pairwise sparse subspace representation. *Neurocomputing*, **2015**, 156, 12-21	5.4	72
19	Half-quadratic-based iterative minimization for robust sparse representation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 261-75	13.3	166
18	Explore semantic pixel sets based local patterns with information entropy for face recognition. *Eurasip Journal on Image and Video Processing*, **2014**, 2014,	2.5	2
17	Gabor Ordinal Measures for Face Recognition. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 14-26	8	89
16	Robust spectral regression for face recognition. *Neurocomputing*, **2013**, 118, 33-40	5.4	8
15	**2013**,		25
14	A fast convex conjugated algorithm for sparse recovery. *Neurocomputing*, **2013**, 115, 178-185	5.4	4
13	Robust Subspace Clustering via Half-Quadratic Minimization **2013**,		28
12	Learning Coupled Feature Spaces for Cross-Modal Matching **2013**,		147
11	Extracting non-negative basis images using pixel dispersion penalty. *Pattern Recognition*, **2012**, 45, 2912-2926	7.7	14

10	Robust large margin discriminant tangent analysis for face recognition. *Neural Computing and Applications*, **2012**, 21, 269-279	4.8	4
9	Structure Sparsity for Multi-camera Gait Recognition. *Communications in Computer and Information Science*, **2012**, 259-267	0.3	
8	Maximum Correntropy Criterion for Robust Face Recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2011**, 33, 1561-76	13.3	401
7	Robust principal component analysis based on maximum correntropy criterion. *IEEE Transactions on Image Processing*, **2011**, 20, 1485-94	8.7	201
6	A Regularized Correntropy Framework for Robust Pattern Recognition. *Neural Computation*, **2011**, 23, 2074-2100	2.9	87
5	Principal component analysis based on non-parametric maximum entropy. *Neurocomputing*, **2010**, 73, 1840-1852	5.4	36
4	Robust Discriminant Analysis Based on Nonparametric Maximum Entropy. *Lecture Notes in Computer Science*, **2009**, 120-134	0.9	23
3	Nearest Feature Line: A Tangent Approximation **2008**,		5
2	Face Recognition by Discriminant Analysis with Gabor Tensor Representation. *Lecture Notes in Computer Science*, **2007**, 87-95	0.9	13
1	Highly Accurate and Fast Face Recognition Using Near Infrared Images. *Lecture Notes in Computer Science*, **2005**, 151-158	0.9	23