Pong Chi Yuen

List of Publications by Year
in descending order

96 papers	3,724 citations	236925 25 h-index	197818 49 g-index
97 all docs	97 docs citations	97 times ranked	2612 citing authors

#	ARTICLE	IF	CITATIONS
1	Unsupervised Embedding Learning via Invariant and Spreading Instance Feature. , 2019, , .		263
2	Joint Sparse Representation and Robust Feature-Level Fusion for Multi-Cue Visual Tracking. IEEE Transactions on Image Processing, 2015, 24, 5826-5841.	9.8	200
3	Learning Common and Feature-Specific Patterns: A Novel Multiple-Sparse-Representation-Based Tracker. IEEE Transactions on Image Processing, 2018, 27, 2022-2037.	9.8	193
4	Visible Thermal Person Re-Identification via Dual-Constrained Top-Ranking. , 2018, , .		192
5	Bi-Directional Center-Constrained Top-Ranking for Visible Thermal Person Re-Identification. IEEE Transactions on Information Forensics and Security, 2020, 15, 407-419.	6.9	188
6	Multi-Adversarial Discriminative Deep Domain Generalization for Face Presentation Attack Detection. , 2019, , .		185
7	Very low resolution face recognition problem. , 2010, , .		172
8	A Hybrid Approach for Generating Secure and Discriminating Face Template. IEEE Transactions on Information Forensics and Security, 2010, 5, 103-117.	6.9	134
9	Dynamic Graph Co-Matching for Unsupervised Video-Based Person Re-Identification. IEEE Transactions on Image Processing, 2019, 28, 2976-2990.	9.8	115
10	Multi-cue Visual Tracking Using Robust Feature-Level Fusion Based on Joint Sparse Representation. , 2014, , .		110
11	On the Reconstruction of Face Images from Deep Face Templates. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1188-1202.	13.9	107
12	Learning Modality-Consistency Feature Templates: A Robust RGB-Infrared Tracking System. IEEE Transactions on Industrial Electronics, 2019, 66, 9887-9897.	7.9	100
13	3D Mask Face Anti-spoofing with Remote Photoplethysmography. Lecture Notes in Computer Science, 2016, , 85-100.	1.3	90
14	Regularized Fine-Grained Meta Face Anti-Spoofing. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 11974-11981.	4.9	85
15	Domain Transfer Support Vector Ranking for Person Re-identification without Target Camera Label Information. , 2013, , .		84
16	Modality-correlation-aware sparse representation for RGB-infrared object tracking. Pattern Recognition Letters, 2020, 130, 12-20.	4.2	77
17	Augmentation Invariant and Instance Spreading Feature for Softmax Embedding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 924-939.	13.9	74
18	Reduced Analytic Dependency Modeling: Robust Fusion for Visual Recognition. International Journal of Computer Vision, 2014, 109, 233-251.	15.6	73

#	Article	IF	Citations
19	Robust Visual Tracking via Basis Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 421-430.	8.3	73
20	Remote Photoplethysmography Correspondence Feature for 3D Mask Face Presentation Attack Detection. Lecture Notes in Computer Science, 2018, , 577-594.	1.3	70
21	Joint Discriminative Learning of Deep Dynamic Textures for 3D Mask Face Anti-Spoofing. IEEE Transactions on Information Forensics and Security, 2019, 14, 923-938.	6.9	65
22	An Asymmetric Distance Model for Cross-View Feature Mapping in Person Reidentification. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1661-1675.	8.3	64
23	A 3D Mask Face Anti-Spoofing Database with Real World Variations. , 2016, , .		57
24	PurifyNet: A Robust Person Re-Identification Model With Noisy Labels. IEEE Transactions on Information Forensics and Security, 2020, 15, 2655-2666.	6.9	56
25	Point-to-Set Distance Metric Learning on Deep Representations for Visual Tracking. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 187-198.	8.0	50
26	A Boosted Co-Training Algorithm for Human Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1203-1213.	8.3	46
27	Human Face Image Searching System Using Sketches. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 493-504.	2.9	45
28	Binary Discriminant Analysis for Generating Binary Face Template. IEEE Transactions on Information Forensics and Security, 2012, 7, 613-624.	6.9	45
29	Deep convolutional dynamic texture learning with adaptive channel-discriminability for 3D mask face anti-spoofing. , 2017, , .		44
30	Semi-supervised Region Metric Learning for Person Re-identification. International Journal of Computer Vision, 2018, 126, 855-874.	15.6	44
31	Learning domain-shared group-sparse representation for unsupervised domain adaptation. Pattern Recognition, 2018, 81, 615-632.	8.1	42
32	Masquerade attack on transform-based binary-template protection based on perceptron learning. Pattern Recognition, 2014, 47, 3019-3033.	8.1	40
33	SoFA: Source-data-free Feature Alignment for Unsupervised Domain Adaptation. , 2021, , .		39
34	SecureFace: Face Template Protection. IEEE Transactions on Information Forensics and Security, 2021, 16, 262-277.	6.9	34
35	TWO-STEP SINGLE PARAMETER REGULARIZATION FISHER DISCRIMINANT METHOD FOR FACE RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 2006, 20, 189-207.	1.2	24
36	Face illumination normalization on large and small scale features. , 2008, , .		23

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37	Learning Compact Binary Codes for Hash-Based Fingerprint Indexing. IEEE Transactions on Information Forensics and Security, 2015, 10, 1603-1616.	6.9	23
38	Cross-Domain Visual Representations via Unsupervised Graph Alignment. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5613-5620.	4.9	21
39	Learning Kernel in Kernel-Based LDA for Face Recognition Under Illumination Variations. IEEE Signal Processing Letters, 2009, 16, 1019-1022.	3.6	19
40	Multi-Channel Remote Photoplethysmography Correspondence Feature for 3D Mask Face Presentation Attack Detection. IEEE Transactions on Information Forensics and Security, 2021, 16, 2683-2696.	6.9	19
41	Inference-Based Similarity Search in Randomized Montgomery Domains for Privacy-Preserving Biometric Identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1611-1624.	13.9	17
42	Explainable Uncertainty-Aware Convolutional Recurrent Neural Network for Irregular Medical Time Series. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4665-4679.	11.3	17
43	Binary feature fusion for discriminative and secure multi-biometricÂcryptosystems. Image and Vision Computing, 2017, 58, 254-265.	4.5	16
44	Temporal Similarity Analysis of Remote Photoplethysmography for Fast 3D Mask Face Presentation Attack Detection. , 2020, , .		16
45	Intra-Rater and Inter-Rater Reliability of Tongue Coating Diagnosis in Traditional Chinese Medicine Using Smartphones: Quasi-Delphi Study. JMIR MHealth and UHealth, 2020, 8, e16018.	3.7	16
46	OPTIMAL SUBSPACE ANALYSIS FOR FACE RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 2005, 19, 375-393.	1.2	14
47	Shot Boundary Detection: An Information Saliency Approach. , 2008, , .		14
48	Feature Constrained by Pixel. , 2018, , .		14
49	Open-Set Adversarial Defense. Lecture Notes in Computer Science, 2020, , 682-698.	1.3	13
50	UA-CRNN: Uncertainty-Aware Convolutional Recurrent Neural Network for Mortality Risk Prediction. , 2019, , .		12
51	Face Classification based on Shannon Wavelet Kernel and Modified Fisher Criterion. , 0, , .		11
52	Plant identification via multipath sparse coding. Multimedia Tools and Applications, 2017, 76, 4599-4615.	3.9	10
53	Class-Distribution Preserving Transform for Face Biometric Data Security. , 2007, , .		9
54	Linear dependency modeling for feature fusion. , 2011, , .		9

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55	Text string detection for loosely constructed characters with arbitrary orientations. Neurocomputing, 2015, 168, 970-978.	5.9	8
56	Robust visual tracking using dynamic feature weighting based on multiple dictionary learning. , 2016, , .		8
57	Weakly Supervised Liver Tumor Segmentation Using Couinaud Segment Annotation. IEEE Transactions on Medical Imaging, 2022, 41, 1138-1149.	8.9	8
58	Open-Set Adversarial Defense with Clean-Adversarial Mutual Learning. International Journal of Computer Vision, 2022, 130, 1070-1087.	15.6	8
59	TONGUE TEXTURE ANALYSIS USING GABOR WAVELET OPPONENT COLOUR FEATURES FOR TONGUE DIAGNOSIS IN TRADITIONAL CHINESE MEDICINE. Series in Machine Perception and Artificial Intelligence, 2000, , 179-188.	0.1	7
60	Image Segmentation and Selective Smoothing Based on Variational Framework. Journal of Signal Processing Systems, 2009, 54, 145-158.	2.1	7
61	Cross-Domain Missingness-Aware Time-Series Adaptation With Similarity Distillation in Medical Applications. IEEE Transactions on Cybernetics, 2022, 52, 3394-3407.	9.5	7
62	Spatial-temporal Regularized Multi-modality Correlation Filters for Tracking with Re-detection. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-16.	4.3	7
63	Federated Generalized Face Presentation Attack Detection. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 103-116.	11.3	7
64	UNIVERSAL WRITING MODEL FOR RECOVERY OF WRITING SEQUENCE OF STATIC HANDWRITING IMAGES. International Journal of Pattern Recognition and Artificial Intelligence, 2005, 19, 603-630.	1.2	6
65	Learning the Relationship Between High and Low Resolution Images in Kernel Space for Face Super Resolution. , 2010, , .		6
66	Body Parts Synthesis for Cross-Quality Pose Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 461-474.	8.3	6
67	Importance-aware personalized learning for early risk prediction using static and dynamic health data. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 713-726.	4.4	6
68	Model-Induced Generalization Error Bound for Information-Theoretic Representation Learning in Source-Data-Free Unsupervised Domain Adaptation. IEEE Transactions on Image Processing, 2022, 31, 419-432.	9.8	6
69	Incremental PCA based face recognition. , 0, , .		5
70	Binary Discriminant Analysis for Face Template Protection. , 2010, , .		5
71	Federated Test-Time Adaptive Face Presentation Attack Detection with Dual-Phase Privacy Preservation. , 2021, , .		5
72	Wavelet Kernel Construction for Kernel Discriminant Analysis on Face Recognition. , 0, , .		4

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73	Shannon Wavelet Kernel based Subspace LDA Approach in Face Recognition. , 2006, , .		4
74	Interpolatory Mercer kernel construction for kernel direct LDA on face recognition. , 2009, , .		4
75	FACE AND EYE DETECTION FROM HEAD AND SHOULDER IMAGE ON MOBILE DEVICES. International Journal of Pattern Recognition and Artificial Intelligence, 2006, 20, 1053-1075.	1.2	3
76	Generating Novel Information Salient Maps for Foreground Object Detection in Video. , 2008, , .		3
77	Face Hallucination Through KPCA. , 2009, , .		3
78	Vulnerabilities in binary face template. , 2012, , .		3
79	On the guessability of binary biometric templates: A practical guessing entropy based approach. , 2017, , .		3
80	Revealing Task-Relevant Model Memorization for Source-Protected Unsupervised Domain Adaptation. IEEE Transactions on Information Forensics and Security, 2022, 17, 716-731.	6.9	3
81	GENERALIZED SPECTROFACE FOR FACE RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 211-228.	1.2	2
82	Boosting EigenActions: A new algorithm for human action categorization. , 2008, , .		2
83	Kernel subspace LDA with convolution kernel function for face recognition. , 2010, , .		2
84	SIMILARITY LEARNING BASED ON SEMI-SUPERVISED GRAPH FOR CLASSIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1250009.	1.2	1
85	FACE SUPER-RESOLUTION. Series in Computer Vision, 2011, , 27-47.	0.1	1
86	Multiple structural defect detection for reinforced concrete buildings using YOLOv5s. HKIE Transactions, 2022, 29, 141-150.	0.1	1
87	A theoretical analysis of generalized spectroface for face recognition. , 0, , .		0
88	Fast approximation to Poisson integral based on trigonometric periodic multiresolution analysis. Applicable Analysis, 2006, 85, 1153-1163.	1.3	0
89	Learning a discriminative sparse tri-value transform. , 2008, , .		0
90	Rank-Lifting Strategy Based Kernel Regularized Discriminant Analysis Method for Face Recognition. , 2010, , .		0

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91	Face tracking in low resolution videos under illumination variations. , 2011, , .		0
92	Image Set-Based Face Recognition: A Local Multi-keypoint Descriptor-Based Approach. , 2013, , .		0
93	Salient region preservation for image deformation. Journal of Electronic Imaging, 2014, 23, 063012.	0.9	0
94	Torso orientation: A new clue for occlusion-aware human pose estimation. , 2016, , .		0
95	BIOMETRIC TEMPLATE PROTECTION: TOWARDS A SECURE BIOMETRIC SYSTEM. , 2009, , 455-476.		0
96	Learning Sparse Interpretable Features For NAS Scoring From Liver Biopsy Images. , 2022, , .		0