Tieniu Tan

List of Publications by Year
in descending order

78 papers	12,238 citations	81900 39 h-index	133252 59 g-index
82 all docs	82 docs citations	82 times ranked	6531 citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Visual Surveillance of Object Motion and Behaviors. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2004, 34, 334-352.	2.9	1,666
2	Silhouette analysis-based gait recognition for human identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1505-1518.	13.9	932
3	Session-Based Recommendation with Graph Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 346-353.	4.9	857
4	Recent developments in human motion analysis. Pattern Recognition, 2003, 36, 585-601.	8.1	784
5	Personal identification based on iris texture analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1519-1533.	13.9	745
6	Efficient Iris Recognition by Characterizing Key Local Variations. IEEE Transactions on Image Processing, 2004, 13, 739-750.	9.8	721
7	A Light CNN for Deep Face Representation With Noisy Labels. IEEE Transactions on Information Forensics and Security, 2018, 13, 2884-2896.	6.9	721
8	A system for learning statistical motion patterns. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1450-1464.	13.9	449
9	Brief review of invariant texture analysis methods. Pattern Recognition, 2002, 35, 735-747.	8.1	374
10	Fusion of Static and Dynamic Body Biometrics for Gait Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 149-158.	8.3	299
11	Toward Accurate and Fast Iris Segmentation for Iris Biometrics. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1670-1684.	13.9	289
12	Automatic gait recognition based on statistical shape analysis. IEEE Transactions on Image Processing, 2003, 12, 1120-1131.	9.8	258
13	Efficient and robust segmentation of noisy iris images for non-cooperative iris recognition. Image and Vision Computing, 2010, 28, 223-230.	4.5	248
14	A Study on Gait-Based Gender Classification. IEEE Transactions on Image Processing, 2009, 18, 1905-1910.	9.8	242
15	Ordinal Measures for Iris Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 2211-2226.	13.9	218
16	Principal axis-based correspondence between multiple cameras for people tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 663-671.	13.9	206
17	Combining Face and Iris Biometrics for Identity Verification. Lecture Notes in Computer Science, 2003, , 805-813.	1.3	201
18	Wasserstein CNN: Learning Invariant Features for NIR-VIS Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1761-1773.	13.9	199

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19	Local intensity variation analysis for iris recognition. Pattern Recognition, 2004, 37, 1287-1298.	8.1	198
20	TAGNN: Target Attentive Graph Neural Networks for Session-based Recommendation. , 2020, , .		133
21	Accurate iris segmentation in non-cooperative environments using fully convolutional networks. , 2016, , .		119
22	Learning Activity Patterns Using Fuzzy Self-Organizing Neural Network. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1618-1626.	5.0	117
23	Human Activity Recognition Based on R Transform. , 2007, , .		117
24	A real-time object detecting and tracking system for outdoor night surveillance. Pattern Recognition, 2008, 41, 432-444.	8.1	114
25	DeepIris: Learning pairwise filter bank for heterogeneous iris verification. Pattern Recognition Letters, 2016, 82, 154-161.	4.2	113
26	Deep Feature Fusion for Iris and Periocular Biometrics on Mobile Devices. IEEE Transactions on Information Forensics and Security, 2018, 13, 2897-2912.	6.9	110
27	Iris Matching Based on Personalized Weight Map. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1744-1757.	13.9	109
28	3-D model-based vehicle tracking. IEEE Transactions on Image Processing, 2005, 14, 1561-1569.	9.8	97
29	Automatic 3D face recognition from depth and intensity Gabor features. Pattern Recognition, 2009, 42, 1895-1905.	8.1	96
30	Biometric personal identification based on handwriting. , 0, , .		93
31	Adversarial Cross-Spectral Face Completion for NIR-VIS Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1025-1037.	13.9	91
32	Combining local features for robust nose location in 3D facial data. Pattern Recognition Letters, 2006, 27, 1487-1494.	4.2	87
33	Noisy iris image matching by using multiple cues. Pattern Recognition Letters, 2012, 33, 970-977.	4.2	79
34	Biologically Inspired Features for Scene Classification in Video Surveillance. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 307-313.	5.0	74
35	A Hierarchical Self-Organizing Approach for Learning the Patterns of Motion Trajectories. IEEE Transactions on Neural Networks, 2004, 15, 135-144.	4.2	71
36	Foreground Object Detection Using Top-Down Information Based on EM Framework. IEEE Transactions on Image Processing, 2012, 21, 4204-4217.	9.8	69

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37	Kinematics-based tracking of human walking in monocular video sequences. Image and Vision Computing, 2004, 22, 429-441.	4.5	60
38	Demographic Analysis from Biometric Data: Achievements, Challenges, and New Frontiers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 332-351.	13.9	56
39	DeMeshNet: Blind Face Inpainting for Deep MeshFace Verification. IEEE Transactions on Information Forensics and Security, 2018, 13, 637-647.	6.9	51
40	Ordinal Feature Selection for Iris and Palmprint Recognition. IEEE Transactions on Image Processing, 2014, 23, 3922-3934.	9.8	48
41	Robust Encoding of Local Ordinal Measures: A General Framework of Iris Recognition. Lecture Notes in Computer Science, 2004, , 270-282.	1.3	46
42	Gait recognition based on Procrustes shape analysis. , 0, , .		42
43	An Extended Grammar System for Learning and Recognizing Complex Visual Events. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 240-255.	13.9	40
44	A new attempt to gait-based human identification. , 0, , .		38
45	People tracking based on motion model and motion constraints with automatic initialization. Pattern Recognition, 2004, 37, 1423-1440.	8.1	37
46	Fusion of static and dynamic body biometrics for gait recognition. , 2003, , .		31
47	Vs-star: A visual interpretation system for visual surveillance. Pattern Recognition Letters, 2010, 31, 2265-2285.	4.2	31
48	Iris Localization via Pulling and Pushing. , 2006, , .		29
49	Trajectory Series Analysis based Event Rule Induction for Visual Surveillance. , 2007, , .		29
50	Learning a bi-level adversarial network with global and local perception for makeup-invariant face verification. Pattern Recognition, 2019, 90, 99-108.	8.1	29
51	Coarse Iris Classification by Learned Visual Dictionary. Lecture Notes in Computer Science, 2007, , 770-779.	1.3	28
52	A^{3}GAN: An Attribute-Aware Attentive Generative Adversarial Network for Face Aging. IEEE Transactions on Information Forensics and Security, 2021, 16, 2776-2790.	6.9	21
53	Reducing the Effect of Noise on Human Contour in Gait Recognition. Lecture Notes in Computer Science, 2007, , 338-346.	1.3	20
54	An Iris Recognition Algorithm Using Local Extreme Points. Lecture Notes in Computer Science, 2004, , 442-449.	1.3	19

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55	Boosting ordinal features for accurate and fast iris recognition. , 2008, , .		18
56	Learning structured ordinal measures for video based face recognition. Pattern Recognition, 2018, 75, 4-14.	8.1	18
57	<title>Geometric transform invariant texture analysis</title>. , 1995, 2488, 475.		17
58	Toward practical remote iris recognition: A boosting based framework. Neurocomputing, 2019, 330, 238-252.	5.9	17
59	Human Behavior Analysis Based on a New Motion Descriptor. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1830-1840.	8.3	16
60	Articulated model based people tracking using motion models. , 0, , .		14
61	Affine invariant classification and retrieval of texture images. Pattern Recognition, 2003, 36, 657-664.	8.1	13
62	Robust eyelid, eyelash and shadow localization for iris recognition. , 2008, , .		12
63	Synthesis of large realistic iris databases using patch-based sampling. , 2008, , .		12
64	Gait Recognition Based on Fusion of Multi-view Gait Sequences. Lecture Notes in Computer Science, 2005, , 605-611.	1.3	12
65	Exploring generalized shape analysis by topological representations. Pattern Recognition Letters, 2017, 87, 177-185.	4.2	10
66	Visual vehicle tracking algorithm. Electronics Letters, 2002, 38, 1024.	1.0	9
67	Disentangled Representation Learning of Makeup Portraits in the Wild. International Journal of Computer Vision, 2020, 128, 2166-2184.	15.6	9
68	A Brief Survey on Recent Progress in Iris Recognition. Lecture Notes in Computer Science, 2014, , 288-300.	1.3	9
69	3D model based vehicle localization by optimizing local gradient based fitness evaluation. , 2008, , .		7
70	Improving Iris Recognition Accuracy via Cascaded Classifiers. Lecture Notes in Computer Science, 2004, , 418-425.	1.3	6
71	Iris Recognition Based on Non-local Comparisons. Lecture Notes in Computer Science, 2004, , 67-77.	1.3	5
72	Tracking Blurred Object with Data-Driven Tracker. , 2012, , .		3

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73	Semantic-Aware Makeup Cleanser. , 2019, , .		3
74	Object detection and tracking for night surveillance based on salient contrast analysis. , 2009, , .		2
75	Comparison of model-based pose evaluation algorithm in traffic scenes. , 2002, , .		1
76	Topology-Invariant Synthesis. SpringerBriefs in Computer Science, 2020, , 25-51.	0.2	0
77	Foundation. SpringerBriefs in Computer Science, 2020, , 11-23.	0.2	0
78	Topology-Variant Synthesis. SpringerBriefs in Computer Science, 2020, , 53-94.	0.2	0