

# Tieniu Tan

## List of Publications by Year in descending order

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78  
papers

12,238  
citations

81743

39  
h-index

133063

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.	3.3	1,666
2	Silhouette analysis-based gait recognition for human identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1505-1518.	9.7	932
3	Session-Based Recommendation with Graph Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 346-353.	3.6	857
4	Recent developments in human motion analysis. Pattern Recognition, 2003, 36, 585-601.	5.1	784
5	Personal identification based on iris texture analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1519-1533.	9.7	745
6	Efficient Iris Recognition by Characterizing Key Local Variations. IEEE Transactions on Image Processing, 2004, 13, 739-750.	6.0	721
7	A Light CNN for Deep Face Representation With Noisy Labels. IEEE Transactions on Information Forensics and Security, 2018, 13, 2884-2896.	4.5	721
8	A system for learning statistical motion patterns. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1450-1464.	9.7	449
9	Brief review of invariant texture analysis methods. Pattern Recognition, 2002, 35, 735-747.	5.1	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.	5.6	299
11	Toward Accurate and Fast Iris Segmentation for Iris Biometrics. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1670-1684.	9.7	289
12	Automatic gait recognition based on statistical shape analysis. IEEE Transactions on Image Processing, 2003, 12, 1120-1131.	6.0	258
13	Efficient and robust segmentation of noisy iris images for non-cooperative iris recognition. Image and Vision Computing, 2010, 28, 223-230.	2.7	248
14	A Study on Gait-Based Gender Classification. IEEE Transactions on Image Processing, 2009, 18, 1905-1910.	6.0	242
15	Ordinal Measures for Iris Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 2211-2226.	9.7	218
16	Principal axis-based correspondence between multiple cameras for people tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 663-671.	9.7	206
17	Combining Face and Iris Biometrics for Identity Verification. Lecture Notes in Computer Science, 2003, , 805-813.	1.0	201
18	Wasserstein CNN: Learning Invariant Features for NIR-VIS Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1761-1773.	9.7	199

#	ARTICLE	IF	CITATIONS
19	Local intensity variation analysis for iris recognition. Pattern Recognition, 2004, 37, 1287-1298.	5.1	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.	5.5	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.	5.1	114
25	Deepriris: Learning pairwise filter bank for heterogeneous iris verification. Pattern Recognition Letters, 2016, 82, 154-161.	2.6	113
26	Deep Feature Fusion for Iris and Periocular Biometrics on Mobile Devices. IEEE Transactions on Information Forensics and Security, 2018, 13, 2897-2912.	4.5	110
27	Iris Matching Based on Personalized Weight Map. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1744-1757.	9.7	109
28	3-D model-based vehicle tracking. IEEE Transactions on Image Processing, 2005, 14, 1561-1569.	6.0	97
29	Automatic 3D face recognition from depth and intensity Gabor features. Pattern Recognition, 2009, 42, 1895-1905.	5.1	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.	9.7	91
32	Combining local features for robust nose location in 3D facial data. Pattern Recognition Letters, 2006, 27, 1487-1494.	2.6	87
33	Noisy iris image matching by using multiple cues. Pattern Recognition Letters, 2012, 33, 970-977.	2.6	79
34	Biologically Inspired Features for Scene Classification in Video Surveillance. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 307-313.	5.5	74
35	A Hierarchical Self-Organizing Approach for Learning the Patterns of Motion Trajectories. IEEE Transactions on Neural Networks, 2004, 15, 135-144.	4.8	71
36	Foreground Object Detection Using Top-Down Information Based on EM Framework. IEEE Transactions on Image Processing, 2012, 21, 4204-4217.	6.0	69

#	ARTICLE	IF	CITATIONS
37	Kinematics-based tracking of human walking in monocular video sequences. Image and Vision Computing, 2004, 22, 429-441.	2.7	60
38	Demographic Analysis from Biometric Data: Achievements, Challenges, and New Frontiers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 332-351.	9.7	56
39	DeMeshNet: Blind Face Inpainting for Deep MeshFace Verification. IEEE Transactions on Information Forensics and Security, 2018, 13, 637-647.	4.5	51
40	Ordinal Feature Selection for Iris and Palmprint Recognition. IEEE Transactions on Image Processing, 2014, 23, 3922-3934.	6.0	48
41	Robust Encoding of Local Ordinal Measures: A General Framework of Iris Recognition. Lecture Notes in Computer Science, 2004, , 270-282.	1.0	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.	9.7	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.	5.1	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.	2.6	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.	5.1	29
51	Coarse Iris Classification by Learned Visual Dictionary. Lecture Notes in Computer Science, 2007, , 770-779.	1.0	28
52	A <sup>3</sup> GAN: An Attribute-Aware Attentive Generative Adversarial Network for Face Aging. IEEE Transactions on Information Forensics and Security, 2021, 16, 2776-2790.	4.5	21
53	Reducing the Effect of Noise on Human Contour in Gait Recognition. Lecture Notes in Computer Science, 2007, , 338-346.	1.0	20
54	An Iris Recognition Algorithm Using Local Extreme Points. Lecture Notes in Computer Science, 2004, , 442-449.	1.0	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.	5.1	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.	3.5	17
59	Human Behavior Analysis Based on a New Motion Descriptor. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1830-1840.	5.6	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.	5.1	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.	1.0	12
65	Exploring generalized shape analysis by topological representations. Pattern Recognition Letters, 2017, 87, 177-185.	2.6	10
66	Visual vehicle tracking algorithm. Electronics Letters, 2002, 38, 1024.	0.5	9
67	Disentangled Representation Learning of Makeup Portraits in the Wild. International Journal of Computer Vision, 2020, 128, 2166-2184.	10.9	9
68	A Brief Survey on Recent Progress in Iris Recognition. Lecture Notes in Computer Science, 2014, , 288-300.	1.0	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.	1.0	6
71	Iris Recognition Based on Non-local Comparisons. Lecture Notes in Computer Science, 2004, , 67-77.	1.0	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