

# Xiantong Zhen

## List of Publications by Year in descending order

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54  
papers

2,598  
citations

218677

26  
h-index

223800

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54  
docs citations

54  
times ranked

2868  
citing authors

#	ARTICLE	IF	CITATIONS
1	Memory Attention Networks for Skeleton-Based Action Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4800-4814.	11.3	53
2	Spherical Zero-Shot Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 634-645.	8.3	13
3	Variational Abnormal Behavior Detection With Motion Consistency. IEEE Transactions on Image Processing, 2022, 31, 275-286.	9.8	15
4	Variational Hyperparameter Inference for Few-Shot Learning Across Domains. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7448-7459.	8.3	4
5	Attentional Kernel Encoding Networks for Fine-Grained Visual Categorization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 301-314.	8.3	27
6	Deep 3D human pose estimation: A review. Computer Vision and Image Understanding, 2021, 210, 103225.	4.7	127
7	Pixel-Level Non-local Image Smoothing With Objective Evaluation. IEEE Transactions on Multimedia, 2021, 23, 4065-4078.	7.2	19
8	Learning to Adapt With Memory for Probabilistic Few-Shot Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4283-4292.	8.3	19
9	Calibrated Multivariate Regression Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4222-4231.	8.3	1
10	Heterogenous output regression network for direct face alignment. Pattern Recognition, 2020, 105, 107311.	8.1	9
11	Conditional Variational Image Deraining. IEEE Transactions on Image Processing, 2020, 29, 6288-6301.	9.8	55
12	Variational Image Deraining. , 2020, , .		29
13	Few-Shot Semantic Segmentation with Democratic Attention Networks. Lecture Notes in Computer Science, 2020, , 730-746.	1.3	90
14	Deep Ensemble Machine for Video Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 553-565.	11.3	39
15	Learning Match Kernels on Grassmann Manifolds for Action Recognition. IEEE Transactions on Image Processing, 2019, 28, 205-215.	9.8	6
16	Gaussian Transfer Convolutional Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 360-368.	4.9	5
17	Attentional Information Fusion Networks for Cross-Scene Power Line Detection. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1635-1639.	3.1	30
18	Model-Free Tracking With Deep Appearance and Motion Features Integration. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Multi-Scale Aggregation Network for Direct Face Alignment. , 2019, , .		6
20	Attentional Neural Fields for Crowd Counting. , 2019, , .		74
21	Crowd Counting and Density Estimation by Trellis Encoder-Decoder Networks. , 2019, , .		233
22	Relational Attention Network for Crowd Counting. , 2019, , .		105
23	Attentive Temporal Pyramid Network for Dynamic Scene Classification. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8497-8504.	4.9	14
24	Glance and Stare: Trapping Flying Birds in Aerial Videos by Adaptive Deep Spatio-Temporal Features. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2748-2759.	8.3	8
25	Long-Short-Term Features for Dynamic Scene Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1038-1047.	8.3	20
26	Multitarget Sparse Latent Regression. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1575-1586.	11.3	31
27	Multi-Target Regression via Robust Low-Rank Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 497-504.	13.9	101
28	Deep appearance and motion learning for egocentric activity recognition. Neurocomputing, 2018, 275, 438-447.	5.9	44
29	Multi-Stream Convolutional Neural Network for SAR Automatic Target Recognition. Remote Sensing, 2018, 10, 1473.	4.0	61
30	Spatial Ensemble Kernel Learning for Scene Classification. , 2018, , .		1
31	Cognitive Assessment Prediction in Alzheimer's Disease by Multi-Layer Multi-Target Regression. Neuroinformatics, 2018, 16, 285-294.	2.8	19
32	Supervised Local Descriptor Learning for Human Action Recognition. IEEE Transactions on Multimedia, 2017, 19, 2056-2065.	7.2	15
33	Direct and simultaneous estimation of cardiac four chamber volumes by multioutput sparse regression. Medical Image Analysis, 2017, 36, 184-196.	11.6	37
34	Real-time visual tracking based on improved perceptual hashing. Multimedia Tools and Applications, 2017, 76, 4617-4634.	3.9	18
35	Direct Estimation of Spinal Cobb Angles by Structured Multi-output Regression. Lecture Notes in Computer Science, 2017, , 529-540.	1.3	42
36	Handcrafted vs. learned representations for human action recognition. Image and Vision Computing, 2016, 55, 39-41.	4.5	8

#	ARTICLE	IF	CITATIONS
37	Multi-task Shape Regression for Medical Image Segmentation. Lecture Notes in Computer Science, 2016, , 210-218.	1.3	2
38	Spatial and temporal scoring for egocentric video summarization. Neurocomputing, 2016, 208, 299-308.	5.9	26
39	Action recognition via spatio-temporal local features: A comprehensive study. Image and Vision Computing, 2016, 50, 1-13.	4.5	36
40	Local Feature Discriminant Projection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1908-1914.	13.9	36
41	Multi-scale deep networks and regression forests for direct bi-ventricular volume estimation. Medical Image Analysis, 2016, 30, 120-129.	11.6	95
42	Regression Segmentation for $M^3$ Spinal Images. IEEE Transactions on Medical Imaging, 2015, 34, 1640-1648.	8.9	48
43	Spatio-Temporal Laplacian Pyramid Coding for Action Recognition. IEEE Transactions on Cybernetics, 2014, 44, 817-827.	9.5	261
44	Robust point pattern matching based on spectral context. Pattern Recognition, 2014, 47, 1469-1484.	8.1	26
45	Learning Object-to-Class Kernels for Scene Classification. IEEE Transactions on Image Processing, 2014, 23, 3241-3253.	9.8	105
46	Action recognition by spatio-temporal oriented energies. Information Sciences, 2014, 281, 295-309.	6.9	52
47	Embedding Motion and Structure Features for Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1182-1190.	8.3	64
48	Learning Discriminative Key Poses for Action Recognition. IEEE Transactions on Cybernetics, 2013, 43, 1860-1870.	9.5	149
49	A local descriptor based on Laplacian pyramid coding for action recognition. Pattern Recognition Letters, 2013, 34, 1899-1905.	4.2	14
50	Combining appearance and structural features for human action recognition. Neurocomputing, 2013, 113, 88-96.	5.9	29
51	Human action representation using pyramid correlogram of oriented gradients on motion history images. International Journal of Computer Mathematics, 2011, 88, 3882-3895.	1.8	3
52	Identification of Conversion from Mild Cognitive Impairment to Alzheimer's Disease Using Multivariate Predictors. PLoS ONE, 2011, 6, e21896.	2.5	211
53	Effects of BDNF Val66Met polymorphism on brain metabolism in Alzheimer's disease. NeuroReport, 2010, 21, 802-807.	1.2	19
54	Cortical thickness is associated with different apolipoprotein E genotypes in healthy elderly adults. Neuroscience Letters, 2010, 479, 332-336.	2.1	38