Xiantong Zhen

List of Publications by Year
in descending order

54	2,598	218677	223800
papers	citations	26	46
		h-index	g-index

54	54	54	2868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatio-Temporal Laplacian Pyramid Coding for Action Recognition. IEEE Transactions on Cybernetics, 2014, 44, 817-827.	9.5	261
2	Crowd Counting and Density Estimation by Trellis Encoder-Decoder Networks. , 2019, , .		233
3	Identification of Conversion from Mild Cognitive Impairment to Alzheimer's Disease Using Multivariate Predictors. PLoS ONE, 2011, 6, e21896.	2.5	211
4	Learning Discriminative Key Poses for Action Recognition. IEEE Transactions on Cybernetics, 2013, 43, 1860-1870.	9.5	149
5	Deep 3D human pose estimation: A review. Computer Vision and Image Understanding, 2021, 210, 103225.	4.7	127
6	Learning Object-to-Class Kernels for Scene Classification. IEEE Transactions on Image Processing, 2014, 23, 3241-3253.	9.8	105
7	Relational Attention Network for Crowd Counting. , 2019, , .		105
8	Multi-Target Regression via Robust Low-Rank Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 497-504.	13.9	101
9	Multi-scale deep networks and regression forests for direct bi-ventricular volume estimation. Medical Image Analysis, 2016, 30, 120-129.	11.6	95
10	Few-Shot Semantic Segmentation with Democratic Attention Networks. Lecture Notes in Computer Science, 2020, , 730-746.	1.3	90
11	Attentional Neural Fields for Crowd Counting. , 2019, , .		74
12	Embedding Motion and Structure Features for Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1182-1190.	8.3	64
13	Multi-Stream Convolutional Neural Network for SAR Automatic Target Recognition. Remote Sensing, 2018, 10, 1473.	4.0	61
14	Conditional Variational Image Deraining. IEEE Transactions on Image Processing, 2020, 29, 6288-6301.	9.8	55
15	Memory Attention Networks for Skeleton-Based Action Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4800-4814.	11.3	53
16	Action recognition by spatio-temporal oriented energies. Information Sciences, 2014, 281, 295-309.	6.9	52
17	Regression Segmentation for <formula formulatype="inline"><tex Notation="TeX">M^{3}</tex></formula> Spinal Images. IEEE Transactions on Medical Imaging, 2015, 34, 1640-1648.	8.9	48
18	Deep appearance and motion learning for egocentric activity recognition. Neurocomputing, 2018, 275, 438-447.	5.9	44

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19	Direct Estimation of Spinal Cobb Angles by Structured Multi-output Regression. Lecture Notes in Computer Science, 2017, , 529-540.	1.3	42
20	Deep Ensemble Machine for Video Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 553-565.	11.3	39
21	Cortical thickness is associated with different apolipoprotein E genotypes in healthy elderly adults. Neuroscience Letters, 2010, 479, 332-336.	2.1	38
22	Direct and simultaneous estimation of cardiac four chamber volumes by multioutput sparse regression. Medical Image Analysis, 2017, 36, 184-196.	11.6	37
23	Action recognition via spatio-temporal local features: A comprehensive study. Image and Vision Computing, 2016, 50, 1-13.	4.5	36
24	Local Feature Discriminant Projection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1908-1914.	13.9	36
25	Multitarget Sparse Latent Regression. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1575-1586.	11.3	31
26	Attentional Information Fusion Networks for Cross-Scene Power Line Detection. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1635-1639.	3.1	30
27	Combining appearance and structural features for human action recognition. Neurocomputing, 2013, 113, 88-96.	5.9	29
28	Variational Image Deraining. , 2020, , .		29
29	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
30	Robust point pattern matching based on spectral context. Pattern Recognition, 2014, 47, 1469-1484.	8.1	26
31	Spatial and temporal scoring for egocentric video summarization. Neurocomputing, 2016, 208, 299-308.	5.9	26
32	Long-Short-Term Features for Dynamic Scene Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1038-1047.	8.3	20
33	Effects of BDNF Val66Met polymorphism on brain metabolism in Alzheimer's disease. NeuroReport, 2010, 21, 802-807.	1.2	19
34	Cognitive Assessment Prediction in Alzheimer's Disease by Multi-Layer Multi-Target Regression. Neuroinformatics, 2018, 16, 285-294.	2.8	19
35	Pixel-Level Non-local Image Smoothing With Objective Evaluation. IEEE Transactions on Multimedia, 2021, 23, 4065-4078.	7.2	19
36	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

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37	Real-time visual tracking based on improved perceptual hashing. Multimedia Tools and Applications, 2017, 76, 4617-4634.	3.9	18
38	Supervised Local Descriptor Learning for Human Action Recognition. IEEE Transactions on Multimedia, 2017, 19, 2056-2065.	7.2	15
39	Variational Abnormal Behavior Detection With Motion Consistency. IEEE Transactions on Image Processing, 2022, 31, 275-286.	9.8	15
40	A local descriptor based on Laplacian pyramid coding for action recognition. Pattern Recognition Letters, 2013, 34, 1899-1905.	4.2	14
41	Attentive Temporal Pyramid Network for Dynamic Scene Classification. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8497-8504.	4.9	14
42	Spherical Zero-Shot Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 634-645.	8.3	13
43	Heterogenous output regression network for direct face alignment. Pattern Recognition, 2020, 105, 107311.	8.1	9
44	Handcrafted vs. learned representations for human action recognition. Image and Vision Computing, 2016, 55, 39-41.	4.5	8
45	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
46	Learning Match Kernels on Grassmann Manifolds for Action Recognition. IEEE Transactions on Image Processing, 2019, 28, 205-215.	9.8	6
47	Model-Free Tracking With Deep Appearance and Motion Features Integration. , 2019, , .		6
48	Multi-Scale Aggregation Network for Direct Face Alignment. , 2019, , .		6
49	Gaussian Transfer Convolutional Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 360-368.	4.9	5
50	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
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	Multi-task Shape Regression for Medical Image Segmentation. Lecture Notes in Computer Science, 2016, , 210-218.	1.3	2
53	Spatial Ensemble Kernel Learning for Scene Classification. , 2018, , .		1
54	Calibrated Multivariate Regression Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4222-4231.	8.3	1