Jianguo Zhang

List of Publications by Year
in descending order

66 papers	3,586 citations	361413 20 h-index	276875 41 g-index
69 all docs	69 docs citations	69 times ranked	3706 citing authors

#	Article	IF	Citations
1	Beyond Triplet Loss: A Deep Quadruplet Network for Person Re-identification. , 2017, , .		778
2	Brief review of invariant texture analysis methods. Pattern Recognition, 2002, 35, 735-747.	8.1	374
3	TEA: Temporal Excitation and Aggregation for Action Recognition. , 2020, , .		297
4	Jointly learning heterogeneous features for RGB-D activity recognition. , 2015, , .		261
5	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	8.9	165
6	Fully convolutional network ensembles for white matter hyperintensities segmentation in MR images. NeuroImage, 2018, 183, 650-665.	4.2	155
7	Jointly Learning Heterogeneous Features for RGB-D Activity Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 2186-2200.	13.9	133
8	Human action segmentation and recognition via motion and shape analysis. Pattern Recognition Letters, 2012, 33, 438-445.	4.2	106
9	Discriminative Learning of Latent Features for Zero-Shot Recognition. , 2018, , .		104
10	Progressive Teacher-Student Learning for Early Action Prediction. , 2019, , .		78
11	Early Action Prediction by Soft Regression. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2568-2583.	13.9	71
12	An automated pattern recognition system for classifying indirect immunofluorescence images of HEp-2 cells and specimens. Pattern Recognition, 2016, 51, 12-26.	8.1	70
13	Action categorization with modified hidden conditional random field. Pattern Recognition, 2010, 43, 197-203.	8.1	69
14	Cross-Scenario Transfer Person Reidentification. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1447-1460.	8.3	57
15	Deep Bilinear Learning for RGB-D Action Recognition. Lecture Notes in Computer Science, 2018, , 346-362.	1.3	55
16	Boundary-Aware Fully Convolutional Network for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2017, , 433-441.	1.3	52
17	Texture analysis- and support vector machine-assisted diffusional kurtosis imaging may allow in vivo gliomas grading and IDH-mutation status prediction: a preliminary study. Scientific Reports, 2018, 8, 6108.	3.3	52
18	Full body image feature representations for gender profiling. , 2009, , .		40

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19	Relevance feedback for real-world human action retrieval. Pattern Recognition Letters, 2012, 33, 446-452.	4.2	38
20	Gland segmentation in colon histology images using hand-crafted features and convolutional neural networks. , 2016, , .		38
21	Structure Prediction for Gland Segmentation With Hand-Crafted and Deep Convolutional Features. IEEE Transactions on Medical Imaging, 2018, 37, 210-221.	8.9	36
22	DiamondGAN: Unified Multi-modal Generative Adversarial Networks for MRI Sequences Synthesis. Lecture Notes in Computer Science, 2019, , 795-803.	1.3	36
23	Local Features and Kernels for Classification of Texture and Object Categories: A Comprehensive Study. , 0, , .		34
24	Efficient Video Stitching Based on Fast Structure Deformation. IEEE Transactions on Cybernetics, 2015, 45, 2707-2719.	9.5	34
25	Action categorization by structural probabilistic latent semantic analysis. Computer Vision and Image Understanding, 2010, 114, 857-864.	4.7	30
26	Learning Person–Person Interaction in Collective Activity Recognition. IEEE Transactions on Image Processing, 2015, 24, 1905-1918.	9.8	29
27	Efficient symmetry-driven fully convolutional network for multimodal brain tumor segmentation. , 2017, , .		26
28	External validation of ADO, DOSE, COTE and CODEX at predicting death in primary care patients with COPD using standard and machine learning approaches. Respiratory Medicine, 2018, 138, 150-155.	2.9	24
29	Global-Local Temporal Saliency Action Prediction. IEEE Transactions on Image Processing, 2018, 27, 2272-2285.	9.8	24
30	HEp-2 Cell Classification Using Multi-resolution Local Patterns and Ensemble SVMs. , 2014, , .		22
31	Detect Faces Efficiently: A Survey and Evaluations. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 1-18.	4.4	21
32	Bimodal biometric verification based on face and lips. Neurocomputing, 2011, 74, 2407-2410.	5.9	17
33	Scene image classification method based on Alex-Net model. , 2016, , .		17
34	Mixed Supervised Object Detection with Robust Objectness Transfer. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 639-653.	13.9	17
35	Multi-task Fully Convolutional Network for Brain Tumour Segmentation. Communications in Computer and Information Science, 2017, , 239-248.	0.5	14
36	Affine invariant classification and retrieval of texture images. Pattern Recognition, 2003, 36, 657-664.	8.1	13

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37	AN investigation into features for multi-view lipreading. , 2010, , .		13
38	Using a Discrete Hidden Markov Model Kernel for lip-based biometric identification. Image and Vision Computing, 2014, 32, 1080-1089.	4.5	13
39	Multimodal Egocentric Analysis of Focused Interactions. IEEE Access, 2018, 6, 37493-37505.	4.2	13
40	Biometric Identification Using Motion History Images of a Speaker's Lip Movements. , 2008, , .		12
41	Intelligent Sensor Information System For Public Transport – To Safely Go…. , 2010, , .		12
42	Limited One-time Sampling Irregularity Map (LOTS-IM) for Automatic Unsupervised Assessment of White Matter Hyperintensities and Multiple Sclerosis Lesions in Structural Brain Magnetic Resonance Images. Computerized Medical Imaging and Graphics, 2020, 79, 101685.	5.8	12
43	People detection in low-resolution video with non-stationary background. Image and Vision Computing, 2009, 27, 437-443.	4.5	10
44	Gender classification via lips: static and dynamic features. IET Biometrics, 2013, 2, 28-34.	2.5	10
45	Discriminating dysplasia: Optical tomographic texture analysis of colorectal polyps. Medical Image Analysis, 2015, 26, 57-69.	11.6	10
46	Fully connected CRF with data-driven prior for multi-class brain tumor segmentation. , 2017, , .		9
47	Counterfeit Anomaly Using Generative Adversarial Network for Anomaly Detection. IEEE Access, 2020, 8, 133051-133062.	4.2	8
48	HEp-2 Specimen Classification Using Multi-resolution Local Patterns and SVM. , 2014, , .		6
49	Local structure prediction for gland segmentation. , 2016, , .		6
50	Adversarial Convolutional Networks withÂWeak Domain-Transfer forÂMulti-sequence Cardiac MR Images Segmentation. Lecture Notes in Computer Science, 2020, , 317-325.	1.3	6
51	Deep Class-Specific Affinity-Guided Convolutional Network for Multimodal Unpaired Image Segmentation. Lecture Notes in Computer Science, 2020, , 187-196.	1.3	6
52	Modeling and representing events in multimedia. , 2011, , .		5
53	Classification of colorectal polyp regions in optical projection tomography. , 2013, , .		5
54	HEp-2 cells staining patterns classification via wavelet scattering network and random forest. , 2015, , .		3

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55	Finding Time Together: Detection and Classification of Focused Interaction in Egocentric Video. , 2017, , .		3
56	Human Action Recognition by Random Features and Hand-Crafted Features: A Comparative Study. Lecture Notes in Computer Science, 2015, , 14-28.	1.3	3
57	Inter-frame contextual modelling for visual speech recognition. , 2010, , .		2
58	HEp-2 specimen classification via deep CNNs and pattern histogram. , 2016, , .		2
59	Hidden Conditional Random Fields for Visual Speech Recognition. , 2009, , .		1
60	Poisson Kalman Particle Filtering for Tracking Centrosomes in Low-Light 3-D Confocal Image Sequences. , 2009, , .		1
61	Angle consistency for registration between catadioptric omni€images and orthorectified aerial images. IET Image Processing, 2013, 7, 343-354.	2.5	1
62	Multi-scale Convolutional-Stack Aggregation for Robust White Matter Hyperintensities Segmentation. Lecture Notes in Computer Science, 2019, , 199-207.	1.3	1
63	Learning from Partially Annotated OPT Images by Contextual Relevance Ranking. Lecture Notes in Computer Science, 2013, 16, 429-436.	1.3	1
64	Gait Based Gender Recognition Using Sparse Spatio Temporal Features. Lecture Notes in Computer Science, 2014, , 80-91.	1.3	1
65	Height estimation of urban buildings using angle consistency of borderlines of roofs. , 2013, , .		0
66	Fusion of Motion and Appearance for Robust People Detection in Cluttered Scenes. Studies in Computational Intelligence, 2011, , 111-124.	0.9	0