Zhiyong Wang

List of Publications by Year
in descending order

60 papers	1,388 citations	430874 18 h-index	377865 34 g-index
62 all docs	62 docs citations	62 times ranked	1165 citing authors

#	Article	IF	Citations
1	Video summarization via minimum sparse reconstruction. Pattern Recognition, 2015, 48, 522-533.	8.1	153
2	Keypoint-Based Keyframe Selection. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 729-734.	8.3	117
3	Learning visual relationship and context-aware attention for image captioning. Pattern Recognition, 2020, 98, 107075.	8.1	98
4	A Residual Based Attention Model for EEG Based Sleep Staging. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2833-2843.	6.3	92
5	Junk Food Marketing on Instagram: Content Analysis. JMIR Public Health and Surveillance, 2018, 4, e54.	2.6	87
6	A Bag-of-Importance Model With Locality-Constrained Coding Based Feature Learning <newline/>for Video Summarization. IEEE Transactions on Multimedia, 2014, 16, 1497-1509.	7.2	73
7	Video summarization via block sparse dictionary selection. Neurocomputing, 2020, 378, 197-209.	5.9	62
8	Vision-Based Freezing of Gait Detection With Anatomic Directed Graph Representation. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1215-1225.	6.3	43
9	Graph Sequence Recurrent Neural Network for Vision-Based Freezing of Gait Detection. IEEE Transactions on Image Processing, 2020, 29, 1890-1901.	9.8	42
10	Learning universal multiview dictionary for human action recognition. Pattern Recognition, 2017, 64, 236-244.	8.1	40
11	A Top-Down Approach for Video Summarization. ACM Transactions on Multimedia Computing, Communications and Applications, 2014, 11, 1-21.	4.3	37
12	Real-Time Long-Term Tracking With Prediction-Detection-Correction. IEEE Transactions on Multimedia, 2018, 20, 2289-2302.	7.2	36
13	Stacked Memory Network for Video Summarization. , 2019, , .		36
14	Learning realistic facial expressions from web images. Pattern Recognition, 2013, 46, 2144-2155.	8.1	31
15	A study on multi-kernel intuitionistic fuzzy C-means clustering with multiple attributes. Neurocomputing, 2019, 335, 59-71.	5.9	29
16	Joint Input and Output Space Learning for Multi-Label Image Classification. IEEE Transactions on Multimedia, 2021, 23, 1696-1707.	7.2	29
17	Spectral embedding based facial expression recognition with multiple features. Neurocomputing, 2014, 129, 136-145.	5.9	26
18	Video Summarization with Global and Local Features. , 2012, , .		25

#	Article	IF	Citations
19	Short-Term Lesion Change Detection for Melanoma Screening With Novel Siamese Neural Network. IEEE Transactions on Medical Imaging, 2021, 40, 840-851.	8.9	25
20	Patch Based Video Summarization With Block Sparse Representation. IEEE Transactions on Multimedia, 2021, 23, 732-747.	7.2	24
21	Non-Contact Sleep Stage Detection Using Canonical Correlation Analysis of Respiratory Sound. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 614-625.	6.3	20
22	Vision-Enhanced and Consensus-Aware Transformer for Image Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7005-7018.	8.3	20
23	$L_{2,0}$ constrained sparse dictionary selection for video summarization. , 2014, , .		18
24	Video Summarization via Nonlinear Sparse Dictionary Selection. IEEE Access, 2019, 7, 11763-11774.	4.2	15
25	Semantic context based refinement for news video annotation. Multimedia Tools and Applications, 2013, 67, 607-627.	3.9	13
26	Similarity Based Block Sparse Subset Selection for Video Summarization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3967-3980.	8.3	13
27	Reliable object recognition using SIFT features. , 2009, , .		12
28	Investigating the impact of frame rate towards robust human action recognition. Signal Processing, 2016, 124, 220-232.	3.7	12
29	Sign Language Translation with Hierarchical Spatio-Temporal Graph Neural Network. , 2022, , .		12
30	Video summarization via temporal collaborative representation of adjacent frames. , 2017, , .		11
31	Keyframe Extraction From Laparoscopic Videos via Diverse and Weighted Dictionary Selection. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1686-1698.	6.3	9
32	Single-channel EEG based insomnia detection with domain adaptation. Computers in Biology and Medicine, 2021, 139, 104989.	7.0	9
33	Graph Convolutional Dictionary Selection With $L_{2,\infty}$ Norm for Video Summarization. IEEE Transactions on Image Processing, 2022, 31, 1789-1804.	9.8	9
34	A Multiview Joint Sparse Representation with Discriminative Dictionary for Melanoma Detection. , 2016, , .		8
35	Deep3D reconstruction: methods, data, and challenges. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 652-672.	2.6	8
36	Nonlinear kernel sparse dictionary selection for video summarization. , 2017, , .		7

#	Article	IF	Citations
37	Feature covariance matrix-based dynamic hand gesture recognition. Neural Computing and Applications, 2019, 31, 8533-8546.	5.6	7
38	Graph Fusion Network-Based Multimodal Learning for Freezing of Gait Detection. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1588-1600.	11.3	7
39	Unsupervised snore detection from respiratory sound signals. , 2015, , .		6
40	Multimedia for Future Health—Smart Medical Home. , 2008, , 497-512.		5
41	Exploring the influence of feature representation for dictionary selection based video summarization. , 2017, , .		5
42	Adversarial Evolving Neural Network for Longitudinal Knee Osteoarthritis Prediction. IEEE Transactions on Medical Imaging, 2022, 41, 3207-3217.	8.9	5
43	Automatic Preview Frame Selection for Online Videos. , 2015, , .		4
44	Regularized Fuzzy Discriminant Analysis for Hyperspectral Image Classification With Noisy Labels. IEEE Access, 2019, 7, 108125-108136.	4.2	4
45	Multitask Learning for Video-based Surgical Skill Assessment. , 2020, , .		4
46	Improved concept similarity measuring in the visual domain. , 2009, , .		3
47	Harvesting Web Images for Realistic Facial Expression Recognition. , 2010, , .		3
48	Decision tree based sleep stage estimation from nocturnal audio signals. , 2017, , .		3
49	Video Summarization via Simultaneous Block Sparse Representation. , 2017, , .		3
50	Robust video summarization using collaborative representation of adjacent frames. Multimedia Tools and Applications, 2019, 78, 28985-29005.	3.9	3
51	Resource restricted on-line Video Summarization with Minimum Sparse Reconstruction. , 2015, , .		2
52	Affective Audio Annotation of Public Speeches with Convolutional Clustering Neural Network. IEEE Transactions on Affective Computing, 2022, 13, 238-249.	8.3	2
53	Coupling matrix manifolds assisted optimization for optimal transport problems. Machine Learning, 2021, 110, 533-558.	5.4	2
54	Efficient Brain Tumor Segmentation with Dilated Multi-fiber Network and Weighted Bi-directional Feature Pyramid Network. , 2020, , .		2

#	Article	IF	Citations
55	Action Recognition With Motion Diversification and Dynamic Selection. IEEE Transactions on Image Processing, 2022, 31, 4884-4896.	9.8	2
56	Forward-Backward Nonlinear Sparse Dictionary Selection Based Video Summarization. , 2018, , .		1
57	Video Summarization via Weighted Neighborhood Based Representation. , 2018, , .		1
58	Learning Shared and Cluster-Specific Dictionaries for Single Image Super-Resolution. IEEE Access, 2019, 7, 120041-120051.	4.2	1
59	Robust foreground object segmentation from handheld camera videos with occlusion map. Multimedia Tools and Applications, 2016, 75, 5751-5776.	3.9	0
60	Discovering Semantics from Visual Information. , 0, , 116-145.		0