

Xia Mao

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,968
citations

516215

16
h-index

315357

38
g-index

78
all docs

78
docs citations

78
times ranked

1601
citing authors

#	ARTICLE	IF	CITATIONS
1	Speech emotion recognition using deep 1D & 2D CNN LSTM networks. Biomedical Signal Processing and Control, 2019, 47, 312-323.	3.5	648
2	Speech emotion recognition: Features and classification models. , 2012, 22, 1154-1160.		185
3	SQR: a simple quantum representation of infrared images. Quantum Information Processing, 2014, 13, 1353-1379.	1.0	93
4	Learning deep features to recognise speech emotion using merged deep CNN. IET Signal Processing, 2018, 12, 713-721.	0.9	87
5	Mandarin emotion recognition combining acoustic and emotional point information. Applied Intelligence, 2012, 37, 602-612.	3.3	74
6	Agent based affective tutoring systems: A pilot study. Computers and Education, 2010, 55, 202-208.	5.1	69
7	Speech Emotional Features Extraction Based on Electroglottograph. Neural Computation, 2013, 25, 3294-3317.	1.3	69
8	Learning deep facial expression features from image and optical flow sequences using 3D CNN. Visual Computer, 2018, 34, 1461-1475.	2.5	54
9	Guizhi-Shaoyao-Zhimu decoction attenuates rheumatoid arthritis partially by reversing inflammation-immune system imbalance. Journal of Translational Medicine, 2016, 14, 165.	1.8	49
10	Multi-level Speech Emotion Recognition Based on HMM and ANN. , 2009, , .		45
11	Prominence features: Effective emotional features for speech emotion recognition. , 2018, 72, 216-231.		44
12	Quantum digital image processing algorithms based on quantum measurement. Optik, 2013, 124, 6386-6390.	1.4	31
13	A Systems Biology Perspective on the Molecular Mechanisms Underlying the Therapeutic Effects of Buyang Huanwu Decoction on Ischemic Stroke. Rejuvenation Research, 2015, 18, 313-325.	0.9	31
14	Implementing emotion-based user-aware e-learning. , 2009, , .		28
15	Multilinear Spatial Discriminant Analysis for Dimensionality Reduction. IEEE Transactions on Image Processing, 2017, 26, 2669-2681.	6.0	26
16	Facial expression recognition considering individual differences in facial structure and texture. IET Computer Vision, 2014, 8, 429-440.	1.3	25
17	Thyroid hormone synthesis: a potential target of a Chinese herbal formula Haizao Yuhu Decoction acting on iodine-deficient goiter. Oncotarget, 2016, 7, 51699-51712.	0.8	25
18	Quantum morphology operations based on quantum representation model. Quantum Information Processing, 2015, 14, 1625-1645.	1.0	22

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19	Relative Speech Emotion Recognition Based Artificial Neural Network. , 2008, , .		19
20	Bird-aircraft strike avoidance radar. IEEE Aerospace and Electronic Systems Magazine, 2010, 25, 19-28.	2.3	18
21	Reactive power compensation using electric vehicles considering driversâ€™ reasons. IET Generation, Transmission and Distribution, 2018, 12, 4407-4418.	1.4	18
22	Criterion to Evaluate the Quality of Infrared Small Target Images. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 56-64.	1.2	17
23	Robust facial expression recognition based on RPCA and AdaBoost. , 2009, , .		17
24	Speech Emotion Recognition Based on Parametric Filter and Fractal Dimension. IEICE Transactions on Information and Systems, 2010, E93-D, 2324-2326.	0.4	15
25	Exponential elastic preserving projections for facial expression recognition. Neurocomputing, 2018, 275, 711-724.	3.5	15
26	Text-Independent Phoneme Segmentation Combining EGG and Speech Data. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1029-1037.	4.0	14
27	Speaker Independent Emotion Recognition Using HMMs Fusion System with Relative Features. , 2008, , .		13
28	Beihang University Facial Expression Database and Multiple Facial Expression Recognition. , 2006, , .		12
29	Trajectoryâ€based viewâ€invariant hand gesture recognition by fusing shape and orientation. IET Computer Vision, 2015, 9, 797-805.	1.3	12
30	Adaptive edge-based mean shift for drastic change gray target tracking. Optik, 2015, 126, 3859-3867.	1.4	12
31	IMAGE SEQUENCE MEASURES FOR AUTOMATIC TARGET TRACKING. Progress in Electromagnetics Research, 2012, 130, 447-472.	1.6	11
32	Emotional eye movement generation based on Geneva Emotion Wheel for virtual agents. Journal of Visual Languages and Computing, 2012, 23, 299-310.	1.8	10
33	Limited text speech synthesis with electroglottograph based on Bi-LSTM and modified Tacotron-2. Applied Intelligence, 2022, 52, 15193-15209.	3.3	10
34	Facial Expression Recognition Based on t-SNE and AdaboostM2. , 2013, , .		9
35	Improved quantum dilation and erosion operations. International Journal of Quantum Information, 2016, 14, 1650036.	0.6	9
36	Illlumination Normalization of Face Image Based on Illuminant Direction Estimation and Improved Retinex. PLoS ONE, 2015, 10, e0122200.	1.1	9

#	ARTICLE	IF	CITATIONS
37	Human interaction recognition fusing multiple features of depth sequences. IET Computer Vision, 2017, 11, 560-566.	1.3	8
38	Sparsity Regularization Discriminant Projection for Feature Extraction. Neural Processing Letters, 2019, 49, 539-553.	2.0	8
39	Human action recognition based on tensor shape descriptor. IET Computer Vision, 2016, 10, 905-911.	1.3	7
40	Illumination compensation for facial feature point localization in a single 2D face image. Neurocomputing, 2016, 173, 573-579.	3.5	7
41	Nonlinear Shape-Texture Manifold Learning. IEICE Transactions on Information and Systems, 2010, E93-D, 2016-2019.	0.4	6
42	Combined Motion and Region-Based 3D Tracking in Active Depth Image Sequence. , 2013, , .		6
43	Providing expressive eye movement to virtual agents. , 2009, , .		5
44	Illuminant direction estimation for a single image based on local region complexity analysis and average gray value. Applied Optics, 2014, 53, 226.	0.9	5
45	EEMML: the emotional eye movement animation toolkit. Multimedia Tools and Applications, 2012, 60, 181-201.	2.6	4
46	Point Context: An Effective Shape Descriptor for RST-Invariant Trajectory Recognition. Journal of Mathematical Imaging and Vision, 2016, 56, 441-454.	0.8	4
47	A closed-form solution to the graph total variation problem for continuous emotion profiling in noisy environment. Speech Communication, 2018, 104, 66-72.	1.6	4
48	An emotion classification method from electroencephalogram based on 1/f fluctuation theory. Measurement and Control, 2020, 53, 824-832.	0.9	4
49	An Extension of MPML with Emotion Recognition Functions Attached. Lecture Notes in Computer Science, 2008, , 289-295.	1.0	4
50	Optimal neighbor graph-based orthogonal tensor locality preserving projection for image recognition. Journal of Electronic Imaging, 2016, 25, 063017.	0.5	4
51	Electroglottograph-Based Speech Emotion Recognition via Cross-Modal Distillation. Applied Sciences (Switzerland), 2022, 12, 4338.	1.3	4
52	Study on the affective property of music. Chaos, Solitons and Fractals, 2005, 26, 685-694.	2.5	3
53	A More Precise Empirical Formula for Estimating Normalized Fog Attenuation in the Millimeter-Wave Frequency Range 30~100GHz. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 308-315. ^{1.2}		3
54	View-Invariant Gesture Recognition Using Nonparametric Shape Descriptor. , 2014, , .		3

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55	A novel method for quantifying target tracking difficulty of the infrared image sequence. Infrared Physics and Technology, 2015, 72, 8-18.	1.3	3
56	Elastic preserving projections based on L1-norm maximization. Multimedia Tools and Applications, 2018, 77, 21671-21691.	2.6	3
57	Content Classification With Electroglottograph. Journal of Physics: Conference Series, 2020, 1544, 012191.	0.3	3
58	Combining point context and dynamic time warping for online gesture recognition. Journal of Electronic Imaging, 2017, 26, 033023.	0.5	3
59	Generating and Describing Affective Human-Agent Interaction. , 2008, , .		2
60	Generating and Describing Affective Eye Behaviors. IEICE Transactions on Information and Systems, 2010, E93-D, 1282-1290.	0.4	2
61	Affect Computation of Chinese Short Text. IEICE Transactions on Information and Systems, 2012, E95.D, 2741-2744.	0.4	2
62	Speech Synthesis Research Based on EGG. , 2013, , .		2
63	Backchannel Prediction for Mandarin Human-Computer Interaction. IEICE Transactions on Information and Systems, 2015, E98.D, 1228-1237.	0.4	2
64	Intelligent Emotion Decision System for Autonomous Agents. , 2008, , .		1
65	A Rough Set and SVM Based Approach to Chinese Textual Affect Sensing. , 2008, , .		1
66	Data Mining Modeling for Electromagnetic Scattering Computing. , 2008, , .		1
67	Optical Axis Stabilization of a Two-axis Platform. , 2009, , .		1
68	Fast Motion Estimation Algorithm Based on H.264. , 2013, , .		1
69	A communication protocol of man overboard system based on BeiDou. , 2014, , .		1
70	Multimodal Data fusion for SRGPS antenna motion error reduction. Multimedia Tools and Applications, 2017, 76, 12035-12050.	2.6	1
71	Automatic speech discrete labels to dimensional emotional values conversion method. IET Biometrics, 2019, 8, 168-176.	1.6	1
72	Web-Based Affective Human-Agent Interaction Generation. Studies in Computational Intelligence, 2010, , 323-345.	0.7	1

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73	Quality Estimation of Image Sequence for Automatic Target Recognition. Dianzi Yu Xinxuebao/Journal of Electronics and Information Technology, 2010, 32, 1779-1785.	0.1	1
74	Human action recognition based on point context tensor shape descriptor. Journal of Electronic Imaging, 2017, 26, 1.	0.5	1
75	Nuclear norm-based two-dimensional discriminant locality preserving projection for face recognition. Journal of Electronic Imaging, 2018, 27, 1.	0.5	1
76	Harmonious graphics generating based on the 1/f function theory. Chaos, Solitons and Fractals, 2007, 32, 521-525.	2.5	0
77	Multi-mode Emotion Recognition Based on Generalized Discriminative Canonical Correlation Analysis. , 2018, , .		0
78	Moir© Pattern Removal with a Generative Adversarial Network. , 2020, , .		0