Ruiyu Liang

List of Publications by Year
in descending order

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44 papers	397 citations	933447 10 h-index	794594 19 g-index
44 all docs	44 docs citations	44 times ranked	380 citing authors

#	Article	IF	Citations
1	A Design Method for Gammachirp Filterbank for Loudness Compensation in Hearing Aids. Applied Sciences (Switzerland), 2022, 12, 1793.	2.5	2
2	Weighted Gradient Pretrain for Low-Resource Speech Emotion Recognition. IEICE Transactions on Information and Systems, 2022, E105.D, 1352-1355.	0.7	0
3	Real-time speech enhancement algorithm for transient noise suppression. Multimedia Tools and Applications, 2021, 80, 3681-3702.	3.9	2
4	A frequency-domain nonlinear echo processing algorithm for high quality hands-free voice communication devices. Multimedia Tools and Applications, 2021, 80, 10777-10796.	3.9	2
5	A Deep Adaptation Network for Speech Enhancement: Combining a Relativistic Discriminator With Multi-Kernel Maximum Mean Discrepancy. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 41-53.	5.8	11
6	A Novel Hybrid Network Model Based on Attentional Multi-Feature Fusion for Deception Detection. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 622-626.	0.3	4
7	Detecting Depression from Speech through an Attentive LSTM Network. IEICE Transactions on Information and Systems, 2021, E104.D, 2019-2023.	0.7	2
8	DNN-based speech enhancement with self-attention on feature dimension. Multimedia Tools and Applications, 2020, 79, 32449-32470.	3.9	9
9	Real-Time Speech Enhancement Algorithm Based on Attention LSTM. IEEE Access, 2020, 8, 48464-48476.	4.2	20
10	Real-Time Generic Object Tracking via Recurrent Regression Network. IEICE Transactions on Information and Systems, 2020, E103.D, 602-611.	0.7	2
11	Transfer Learning Algorithm for Enhancing the Unlabeled Speech. IEEE Access, 2020, 8, 13833-13844.	4.2	1
12	Siamese Attention-Based LSTM for Speech Emotion Recognition. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 937-941.	0.3	0
13	Combining Siamese Network and Regression Network for Visual Tracking. IEICE Transactions on Information and Systems, 2020, E103.D, 1924-1927.	0.7	1
14	Unconstrained Facial Expression Recognition Based on Feature Enhanced CNN and Cross-Layer LSTM. IEICE Transactions on Information and Systems, 2020, E103.D, 2403-2406.	0.7	3
15	Attention-Based Dense LSTM for Speech Emotion Recognition. IEICE Transactions on Information and Systems, 2019, E102.D, 1426-1429.	0.7	33
16	Speech Emotion Classification Using Attention-Based LSTM. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1675-1685.	5.8	160
17	An Improved Practical State-Space FDAF With Fast Recovery of Abrupt Echo-Path Changes. IEEE Access, 2019, 7, 61353-61362.	4.2	4
18	Improved Convolutional Neural Networks for Acoustic Event Classification. Multimedia Tools and Applications, 2019, 78, 15801-15816.	3.9	13

#	Article	IF	Citations
19	Facial Expression Recognition via Regression-Based Robust Locality Preserving Projections. IEICE Transactions on Information and Systems, 2018, E101.D, 564-567.	0.7	4
20	Speech Noise Reduction Algorithm in Digital Hearing Aids Based on an Improved Sub-band SNR Estimation. Circuits, Systems, and Signal Processing, 2018, 37, 1243-1267.	2.0	2
21	A Novel Bimodal Emotion Database from Physiological Signals and Facial Expression. IEICE Transactions on Information and Systems, 2018, E101.D, 1976-1979.	0.7	0
22	Convolutional Bidirectional Long Short-Term Memory for Deception Detection With Acoustic Features. IEEE Access, 2018, 6, 76527-76534.	4.2	22
23	A Novel Supervised Bimodal Emotion Recognition Approach Based on Facial Expression and Body Gesture. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 2003-2006.	0.3	5
24	Long-short term memory for emotional recognition with variable length speech. , 2018, , .		8
25	Research on Real-Time Speech Emotion Recognition Framework. , 2018, , .		1
26	A joint echo cancellation algorithm for quick suppression of howls in hearing aids. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 565-574.	1.4	3
27	An algorithm of improving speech emotional perception for hearing aid. Modern Physics Letters B, 2017, 31, 1740094.	1.9	3
28	Self-Fitting Algorithm for Digital Hearing Aid Based on Interactive Evolutionary Computation and Expert System. Applied Sciences (Switzerland), 2017, 7, 272.	2.5	12
29	Piecewise-Linear Frequency Shifting Algorithm for Frequency Resolution Enhancement in Digital Hearing Aids. Applied Sciences (Switzerland), 2017, 7, 335.	2.5	3
30	Sub-Band Noise Reduction in Multi-Channel Digital Hearing Aid. IEICE Transactions on Information and Systems, 2016, E99.D, 292-295.	0.7	3
31	Spectral Features Based on Local Normalized Center Moments for Speech Emotion Recognition. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1863-1866.	0.3	1
32	Spectral Features Based on Local Hu Moments of Gabor Spectrograms for Speech Emotion Recognition. IEICE Transactions on Information and Systems, 2016, E99.D, 2186-2189.	0.7	5
33	Speaker-Independent Speech Emotion Recognition Based Multiple Kernel Learning of Collaborative Representation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 756-759.	0.3	1
34	An Effective Acoustic Feedback Cancellation Algorithm Based on the Normalized Sub-Band Adaptive Filter. IEICE Transactions on Information and Systems, 2016, E99.D, 288-291.	0.7	0
35	Multiband sound source localization algorithm for directional enhancement in hearing aids. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 331-338.	1.4	1
36	Self-Fitting Hearing Aids: State of the Art, Challenges, and Future Trends. International Journal of U- and E- Service, Science and Technology, 2016, 9, 1-16.	0.1	1

#	Article	IF	Citations
37	A Salient Feature Extraction Algorithm for Speech Emotion Recognition. IEICE Transactions on Information and Systems, 2015, E98.D, 1715-1718.	0.7	3
38	Speech Emotion Recognition Based on Sparse Transfer Learning Method. IEICE Transactions on Information and Systems, 2015, E98.D, 1409-1412.	0.7	2
39	Unsupervised learning of phonemes of whispered speech in a noisy environment based on convolutive non-negative matrix factorization. Information Sciences, 2014, 257, 115-126.	6.9	14
40	Compressed Sampling and Source Localization of Miniature Microphone Array. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1902-1906.	0.3	0
41	An improved method to enhance high-frequency speech intelligibility in noise. Applied Acoustics, 2013, 74, 71-78.	3.3	11
42	Practical Speech Emotion Recognition Based on Online Learning: From Acted Data to Elicited Data. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	16
43	Whisper Intelligibility Enhancement Using a Supervised Learning Approach. Circuits, Systems, and Signal Processing, 2012, 31, 2061-2074.	2.0	6
44	Sound source localization of digital hearing aids using wavelet based multivariate statistical method. Journal of Electronics, 2010, 27, 571-576.	0.2	1