

Xunying Liu

List of Publications by Year in descending order

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45
papers

731
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1163117

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times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Speech Emotion Recognition Using Capsule Networks. , 2019, , .		70
2	DSNAS: Direct Neural Architecture Search Without Parameter Retraining. , 2020, , .		51
3	Efficient Training and Evaluation of Recurrent Neural Network Language Models for Automatic Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 2146-2157.	5.8	45
4	Adversarial Attacks on GMM I-Vector Based Speaker Verification Systems. , 2020, , .		41
5	Audio-Visual Recognition of Overlapped Speech for the LRS2 Dataset. , 2020, , .		40
6	CNN-RNN-CTC Based End-to-end Mispronunciation Detection and Diagnosis. , 2019, , .		38
7	Two Efficient Lattice Rescoring Methods Using Recurrent Neural Network Language Models. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1438-1449.	5.8	34
8	Development of the CUHK Dysarthric Speech Recognition System for the UA Speech Corpus. , 0, , .		30
9	Voice Conversion Across Arbitrary Speakers Based on a Single Target-Speaker Utterance. , 0, , .		28
10	Recent Progress in the CUHK Dysarthric Speech Recognition System. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2267-2281.	5.8	25
11	Any-to-Many Voice Conversion With Location-Relative Sequence-to-Sequence Modeling. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1717-1728.	5.8	24
12	Investigation of Data Augmentation Techniques for Disordered Speech Recognition. , 0, , .		19
13	Exploiting Future Word Contexts in Neural Network Language Models for Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1444-1454.	5.8	17
14	BLHUC: Bayesian Learning of Hidden Unit Contributions for Deep Neural Network Speaker Adaptation. , 2019, , .		16
15	Cross-Domain Deep Visual Feature Generation for Mandarin Audio-Visual Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 185-197.	5.8	16
16	End-To-End Accent Conversion Without Using Native Utterances. , 2020, , .		14
17	Audio-Visual Multi-Channel Integration and Recognition of Overlapped Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2067-2082.	5.8	14
18	Speech Emotion Recognition Using Sequential Capsule Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3280-3291.	5.8	14

#	ARTICLE	IF	CITATIONS
19	End-To-End Voice Conversion Via Cross-Modal Knowledge Distillation for Dysarthric Speech Reconstruction. , 2020, , .		13
20	Transferring Source Style in Non-Parallel Voice Conversion. , 0, , .		13
21	Audio-Visual Multi-Channel Recognition of Overlapped Speech. , 0, , .		13
22	Exploiting Visual Features Using Bayesian Gated Neural Networks for Disordered Speech Recognition. , 0, , .		11
23	Code-Switched Speech Synthesis Using Bilingual Phonetic Posteriorgram with Only Monolingual Corpora. , 2020, , .		11
24	Exploiting Cross-Domain Visual Feature Generation for Disordered Speech Recognition. , 0, , .		11
25	Limited-Memory BFGS Optimization of Recurrent Neural Network Language Models for Speech Recognition. , 2018, , .		10
26	Bayesian and Gaussian Process Neural Networks for Large Vocabulary Continuous Speech Recognition. , 2019, , .		9
27	Bayesian Learning for Deep Neural Network Adaptation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2096-2110.	5.8	9
28	Jointly Trained Conversion Model and WaveNet Vocoder for Non-Parallel Voice Conversion Using Mel-Spectrograms and Phonetic Posteriorgrams. , 0, , .		9
29	Exemplar-Based Emotive Speech Synthesis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 874-886.	5.8	8
30	On the Use of Pitch Features for Disordered Speech Recognition. , 0, , .		8
31	Multi-task learning of structured output layer bidirectional LSTMS for speech synthesis. , 2017, , .		7
32	Unsupervised Discovery of an Extended Phoneme Set in L2 English Speech for Mispronunciation Detection and Diagnosis. , 2018, , .		7
33	Bayesian Learning of LF-MMI Trained Time Delay Neural Networks for Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1514-1529.	5.8	7
34	Relating dynamic brain states to dynamic machine states: Human and machine solutions to the speech recognition problem. PLoS Computational Biology, 2017, 13, e1005617.	3.2	7
35	Feature Based Adaptation for Speaking Style Synthesis. , 2018, , .		6
36	LF-MMI Training of Bayesian and Gaussian Process Time Delay Neural Networks for Speech Recognition. , 0, , .		6

#	ARTICLE	IF	CITATIONS
37	Neural Architecture Search for LF-MMI Trained Time Delay Neural Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1093-1107.	5.8	5
38	Exploiting Cross Domain Acoustic-to-Articulatory Inverted Features for Disordered Speech Recognition. , 2022, , .		5
39	Low-bit Quantization of Recurrent Neural Network Language Models Using Alternating Direction Methods of Multipliers. , 2020, , .		4
40	Mixed Precision Quantization of Transformer Language Models for Speech Recognition. , 2021, , .		4
41	The HCCL-CUHK System for the Voice Conversion Challenge 2018. , 0, , .		3
42	Mixed Precision Low-Bit Quantization of Neural Network Language Models for Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3679-3693.	5.8	3
43	Audio-Visual Multi-Channel Speech Separation, Dereverberation and Recognition. , 2022, , .		3
44	Extract, Adapt and Recognize: An End-to-End Neural Network for Corrupted Monaural Speech Recognition. , 0, , .		2
45	Mixed Precision DNN Quantization for Overlapped Speech Separation and Recognition. , 2022, , .		1