Yuxuan Wang

List of Publications by Year
in descending order

29 papers	3,002 citations	566801 15 h-index	887659 17 g-index
29 all docs	29 docs citations	29 times ranked	1082 citing authors

#	Article	IF	Citations
1	Large-scale training to increase speech intelligibility for hearing-impaired listeners in novel noises. Journal of the Acoustical Society of America, 2016, 139, 2604-2612.	0.5	139
2	Complex ratio masking for joint enhancement of magnitude and phase. , 2016, , .		50
3	Noise perturbation for supervised speech separation. Speech Communication, 2016, 78, 1-10.	1.6	24
4	Complex Ratio Masking for Monaural Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 483-492.	4.0	495
5	Rapid Prediction of Bacterial Heterotrophic Fluxomics Using Machine Learning and Constraint Programming. PLoS Computational Biology, 2016, 12, e1004838.	1.5	55
6	An algorithm to increase speech intelligibility for hearing-impaired listeners in novel segments of the same noise type. Journal of the Acoustical Society of America, 2015, 138, 1660-1669.	0.5	70
7	Estimating nonnegative matrix model activations with deep neural networks to increase perceptual speech quality. Journal of the Acoustical Society of America, 2015, 138, 1399-1407.	0.5	20
8	Learning Spectral Mapping for Speech Dereverberation and Denoising. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 982-992.	4.0	185
9	A deep neural network for time-domain signal reconstruction. , 2015, , .		66
10	Deep neural networks for cochannel speaker identification. , 2015, , .		6
11	Cochannel Speaker Identification in Anechoic and Reverberant Conditions. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1727-1736.	4.0	10
12	Deep neural networks for estimating speech model activations. , 2015, , .		9
13	Noise Perturbation Improves Supervised Speech Separation. Lecture Notes in Computer Science, 2015, , 83-90.	1.0	6
14	Learning spectral mapping for speech dereverberation. , 2014, , .		55
15	Speech-cue transmission by an algorithm to increase consonant recognition in noise for hearing-impaired listeners. Journal of the Acoustical Society of America, 2014, 136, 3325-3336.	0.5	25
16	Reconstruction techniques for improving the perceptual quality of binary masked speech. Journal of the Acoustical Society of America, 2014, 136, 892-902.	0.5	34
17	A feature study for classification-based speech separation at very low signal-to-noise ratio. , 2014, , .		16
18	A structure-preserving training target for supervised speech separation. , 2014, , .		20

#	Article	IF	Citations
19	A two-stage approach for improving the perceptual quality of separated speech. , 2014, , .		13
20	On Training Targets for Supervised Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1849-1858.	4.0	758
21	Robust speaker identification in noisy and reverberant conditions. , 2014, , .		20
22	A Feature Study for Classification-Based Speech Separation at Low Signal-to-Noise Ratios. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1993-2002.	4.0	132
23	Robust Speaker Identification in Noisy and Reverberant Conditions. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 836-845.	4.0	91
24	Learning a concatenative resynthesis system for noise suppression. , 2014, , .		6
25	Exploring Monaural Features for Classification-Based Speech Segregation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 270-279.	3.8	162
26	Towards Scaling Up Classification-Based Speech Separation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1381-1390.	3.8	348
27	An algorithm to improve speech recognition in noise for hearing-impaired listeners. Journal of the Acoustical Society of America, 2013, 134, 3029-3038.	0.5	175
28	A sparse representation approach for perceptual quality improvement of separated speech. , 2013, , .		4
29	Feature denoising for speech separation in unknown noisy environments. , 2013, , .		8