Yuxuan Wang

List of Publications by Year
in descending order

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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	On Training Targets for Supervised Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1849-1858.	4.0	758
2	Complex Ratio Masking for Monaural Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 483-492.	4.0	495
3	Towards Scaling Up Classification-Based Speech Separation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1381-1390.	3.8	348
4	Learning Spectral Mapping for Speech Dereverberation and Denoising. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 982-992.	4.0	185
5	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
6	Exploring Monaural Features for Classification-Based Speech Segregation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 270-279.	3.8	162
7	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
8	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
9	Robust Speaker Identification in Noisy and Reverberant Conditions. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 836-845.	4.0	91
10	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
11	A deep neural network for time-domain signal reconstruction. , 2015, , .		66
12	Learning spectral mapping for speech dereverberation. , 2014, , .		55
13	Rapid Prediction of Bacterial Heterotrophic Fluxomics Using Machine Learning and Constraint Programming. PLoS Computational Biology, 2016, 12, e1004838.	1.5	55
14	Complex ratio masking for joint enhancement of magnitude and phase. , 2016, , .		50
15	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
16	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
17	Noise perturbation for supervised speech separation. Speech Communication, 2016, 78, 1-10.	1.6	24
18	A structure-preserving training target for supervised speech separation. , 2014, , .		20

#	Article	IF	Citations
19	Robust speaker identification in noisy and reverberant conditions. , 2014, , .		20
20	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
21	A feature study for classification-based speech separation at very low signal-to-noise ratio. , 2014, , .		16
22	A two-stage approach for improving the perceptual quality of separated speech. , 2014, , .		13
23	Cochannel Speaker Identification in Anechoic and Reverberant Conditions. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1727-1736.	4.0	10
24	Deep neural networks for estimating speech model activations. , 2015, , .		9
25	Feature denoising for speech separation in unknown noisy environments. , 2013, , .		8
26	Learning a concatenative resynthesis system for noise suppression. , 2014, , .		6
27	Deep neural networks for cochannel speaker identification. , 2015, , .		6
28	Noise Perturbation Improves Supervised Speech Separation. Lecture Notes in Computer Science, 2015, , 83-90.	1.0	6
29	A sparse representation approach for perceptual quality improvement of separated speech. , 2013, , .		4