Jon Barker

List of Publications by Year
in descending order

41	2,383	623188	580395
papers	citations	14	25
		h-index	g-index

44	44	44	1409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An audio-visual corpus for speech perception and automatic speech recognition. Journal of the Acoustical Society of America, 2006, 120, 2421-2424.	0.5	880
2	An analysis of environment, microphone and data simulation mismatches in robust speech recognition. Computer Speech and Language, 2017, 46, 535-557.	2.9	202
3	The foreign language cocktail party problem: Energetic and informational masking effects in non-native speech perception. Journal of the Acoustical Society of America, 2008, 123, 414-427.	0.5	191
4	The second &#x2018;chime&#x2019; speech separation and recognition challenge: Datasets, tasks and baselines. , 2013, , .		177
5	The PASCAL CHiME speech separation and recognition challenge. Computer Speech and Language, 2013, 27, 621-633.	2.9	152
6	Modelling speaker intelligibility in noise. Speech Communication, 2007, 49, 402-417.	1.6	73
7	The third â€˜CHiMEâ€™ speech separation and recognition challenge: Analysis and outcomes. Computer Speech and Language, 2017, 46, 605-626.	2.9	70
8	The CHiME corpus: a resource and a challenge for computational hearing in multisource environments. , 0, , .		68
9	The second &#x2018;CHiME&#x2019; speech separation and recognition challenge: An overview of challenge systems and outcomes. , 2013, , .		48
10	A corpus of audio-visual Lombard speech with frontal and profile views. Journal of the Acoustical Society of America, 2018, 143, EL523-EL529.	0.5	48
11	Chime-home: A dataset for sound source recognition in a domestic environment. , 2015, , .		42
12	Is the sine-wave speech cocktail party worth attending?. Speech Communication, 1999, 27, 159-174.	1.6	40
13	Exploiting correlogram structure for robust speech recognition with multiple speech sources. Speech Communication, 2007, 49, 874-891.	1.6	40
14	Phonetic Analysis of Dysarthric Speech Tempo and Applications to Robust Personalised Dysarthric Speech Recognition. , 2019, , .		33
15	Speech fragment decoding techniques for simultaneous speaker identification and speech recognition. Computer Speech and Language, 2010, 24, 94-111.	2.9	28
16	Stream weight estimation for multistream audioâ€"visual speech recognition in a multispeaker environment. Speech Communication, 2008, 50, 337-353.	1.6	26
17	Missing data speech recognition in reverberant conditions. , 2002, , .		25
18	On End-to-end Multi-channel Time Domain Speech Separation in Reverberant Environments. , 2020, , .		24

#	Article	IF	Citations
19	MMSE-Based Missing-Feature Reconstruction With Temporal Modeling for Robust Speech Recognition. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 624-635.	3.8	20
20	Recent advances in speech fragment decoding techniques. , 0, , .		19
21	An automatic speech recognition system based on the scene analysis account of auditory perception. Speech Communication, 2007, 49, 384-401.	1.6	18
22	A pitch based noise estimation technique for robust speech recognition with Missing Data. , 2011, , .		18
23	Crowdsourcing for word recognition in noise. , 0, , .		16
24	A speech fragment approach to localising multiple speakers in reverberant environments. , 2009, , .		15
25	The impact of the Lombard effect on audio and visual speech recognition systems. Speech Communication, 2018, 100, 58-68.	1.6	15
26	The CAVA corpus. , 2008, , .		12
27	Combining Speech Fragment Decoding and Adaptive Noise Floor Modeling. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 818-827.	3.8	10
28	Energetic and Informational Masking Effects in an Audiovisual Speech Recognition System. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 446-458.	3.8	8
29	Combining missing-data reconstruction and uncertainty decoding for robust speech recognition. , 2012, , .		7
30	Speech Spectral Envelope Enhancement by HMM-Based Analysis/Resynthesis. IEEE Signal Processing Letters, 2013, 20, 563-566.	2.1	7
31	Dataset of British English speech recordings for psychoacoustics and speech processing research: The clarity speech corpus. Data in Brief, 2022, 41, 107951.	0.5	7
32	A corpus of noise-induced word misperceptions for English. Journal of the Acoustical Society of America, 2016, 140, EL458-EL463.	0.5	6
33	Long-Term Statistical Feature Extraction from Speech Signal and Its Application in Emotion Recognition. Lecture Notes in Computer Science, 2015, , 173-184.	1.0	5
34	The impact of automatic exaggeration of the visual articulatory features of a talker on the intelligibility of spectrally distorted speech. Speech Communication, 2017, 95, 127-136.	1.6	5
35	A Data Driven Approach to Audiovisual Speech Mapping. Lecture Notes in Computer Science, 2016, , 331-342.	1.0	4
36	A hearing-inspired approach for distant-microphone speech recognition in the presence of multiple sources. Computer Speech and Language, 2013, 27, 820-836.	2.9	3

#	Article	IF	Citations
37	Lexical frequency effects in English and Spanish word misperceptions. Journal of the Acoustical Society of America, 2019, 145, EL136-EL141.	0.5	3
38	Robust automatic transcription of English speech corpora. , 2010, , .		2
39	Exploiting synchrony spectra and deep neural networks for noise-robust automatic speech recognition. , 2015, , .		2
40	Spectral Reconstruction and Noise Model Estimation Based on a Masking Model for Noise Robust Speech Recognition. Circuits, Systems, and Signal Processing, 2017, 36, 3731-3760.	1.2	2
41	Modelling the Effects of Hearing Aid Algorithms on Speech and Speaker Intelligibility as Perceived by Listeners with Simulated Sensorineural Hearing Impairment. , 2021, , .		0