DeLiang Wang

List of Publications by Year
in descending order

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288	16,927	20036	29333
papers	citations	63 h-index	108 g-index

291	291	291	5223
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural Cascade Architecture With Triple-Domain Loss for Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 734-743.	4.0	11
2	Neural Spectrospatial Filtering. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 605-621.	4.0	24
3	Self-Attending RNN for Speech Enhancement to Improve Cross-Corpus Generalization. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1374-1385.	4.0	20
4	Attention-Based Fusion for Bone-Conducted and Air-Conducted Speech Enhancement in the Complex Domain. , 2022, , .		5
5	Location-Based Training for Multi-Channel Talker-Independent Speaker Separation. , 2022, , .		5
6	Multichannel Speech Enhancement Without Beamforming. , 2022, , .		3
7	Neural Cascade Architecture for Joint Acoustic Echo and Noise Suppression. , 2022, , .		2
8	TPARN: Triple-Path Attentive Recurrent Network for Time-Domain Multichannel Speech Enhancement. , 2022, , .		11
9	Summary on the ICASSP 2022 Multi-Channel Multi-Party Meeting Transcription Grand Challenge. , 2022, , .		11
10	Cross-Domain Speech Enhancement with a Neural Cascade Architecture. , 2022, , .		1
11	Localization based Sequential Grouping for Continuous Speech Separation. , 2022, , .		4
12	Improving Noise Robustness of Contrastive Speech Representation Learning with Speech Reconstruction. , 2022, , .		13
13	Towards Model Compression for Deep Learning Based Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1785-1794.	4.0	40
14	Multi-microphone Complex Spectral Mapping for Utterance-wise and Continuous Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2001-2014.	4.0	37
15	Speaker Separation Using Speaker Inventories and Estimated Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 537-546.	4.0	6
16	Dense CNN With Self-Attention for Time-Domain Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1270-1279.	4.0	94
17	Deep Learning Based Real-Time Speech Enhancement for Dual-Microphone Mobile Phones. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1853-1863.	4.0	19
18	Complex Ratio Masking For Singing Voice Separation. , 2021, , .		5

#	Article	IF	Citations
19	Count And Separate: Incorporating Speaker Counting For Continuous Speaker Separation. , 2021, , .		6
20	An effectively causal deep learning algorithm to increase intelligibility in untrained noises for hearing-impaired listeners. Journal of the Acoustical Society of America, 2021, 149, 3943-3953.	0.5	13
21	Compressing Deep Neural Networks for Efficient Speech Enhancement. , 2021, , .		5
22	Time-Domain Loss Modulation Based on Overlap Ratio for Monaural Conversational Speaker Separation. , 2021, , .		5
23	Real-Time Speech Enhancement for Mobile Communication Based on Dual-Channel Complex Spectral Mapping. , 2021, , .		2
24	Deep ANC: A deep learning approach to active noise control. Neural Networks, 2021, 141, 1-10.	3.3	49
25	Towards Robust Speech Super-Resolution. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2058-2066.	4.0	22
26	Recurrent Neural Networks and Acoustic Features for Frame-Level Signal-to-Noise Ratio Estimation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2878-2887.	4.0	6
27	Deep learning based speaker separation and dereverberation can generalize across different languages to improve intelligibility. Journal of the Acoustical Society of America, 2021, 150, 2526-2538.	0.5	5
28	A causal and talker-independent speaker separation/dereverberation deep learning algorithm: Cost associated with conversion to real-time capable operation. Journal of the Acoustical Society of America, 2021, 150, 3976-3986.	0.5	8
29	Bridging the Gap Between Monaural Speech Enhancement and Recognition With Distortion-Independent Acoustic Modeling. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 39-48.	4.0	23
30	Learning Complex Spectral Mapping With Gated Convolutional Recurrent Networks for Monaural Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 380-390.	4.0	174
31	Causal Deep CASA for Monaural Talker-Independent Speaker Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2109-2118.	4.0	13
32	On Cross-Corpus Generalization of Deep Learning Based Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2489-2499.	4.0	33
33	A two-stage deep learning algorithm for talker-independent speaker separation in reverberant conditions. Journal of the Acoustical Society of America, 2020, 148, 1157-1168.	0.5	2
34	Talker-Independent Speaker Separation in Reverberant Conditions. , 2020, , .		4
35	Time-Frequency Loss for CNN Based Speech Super-Resolution. , 2020, , .		13
36	Multi-Microphone Complex Spectral Mapping for Speech Dereverberation. , 2020, , .		34

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37	Monaural Speech Dereverberation Using Temporal Convolutional Networks With Self Attention. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1598-1607.	4.0	51
38	Complex Spectral Mapping for Single- and Multi-Channel Speech Enhancement and Robust ASR. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1778-1787.	4.0	100
39	Robust Speaker Recognition Based on Single-Channel and Multi-Channel Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1293-1302.	4.0	36
40	Deep Learning Based Target Cancellation for Speech Dereverberation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 941-950.	4.0	52
41	A talker-independent deep learning algorithm to increase intelligibility for hearing-impaired listeners in reverberant competing talker conditions. Journal of the Acoustical Society of America, 2020, 147, 4106-4118.	0.5	8
42	Deep Casa for Talker-independent Monaural Speech Separation. , 2020, , .		12
43	Densely Connected Neural Network with Dilated Convolutions for Real-Time Speech Enhancement in The Time Domain. , 2020, , .		56
44	Improving Robustness of Deep Learning Based Monaural Speech Enhancement Against Processing Artifacts. , 2020, , .		7
45	The optimal threshold for removing noise from speech is similar across normal and impaired hearingâ€"a time-frequency masking study. Journal of the Acoustical Society of America, 2019, 145, EL581-EL586.	0.5	8
46	Exploring Deep Complex Networks for Complex Spectrogram Enhancement. , 2019, , .		19
47	Deep Learning for Talker-Dependent Reverberant Speaker Separation: An Empirical Study. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1839-1848.	4.0	17
48	Divide and Conquer: A Deep CASA Approach to Talker-Independent Monaural Speaker Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 2092-2102.	4.0	110
49	TCNN: Temporal Convolutional Neural Network for Real-time Speech Enhancement in the Time Domain. , 2019, , .		192
50	Complex Spectral Mapping with a Convolutional Recurrent Network for Monaural Speech Enhancement. , 2019, , .		89
51	Deep Learning Based Phase Reconstruction for Speaker Separation: A Trigonometric Perspective. , 2019, , .		52
52	Robust Sparse Multichannel Active Noise Control. , 2019, , .		2
53	A New Framework for CNN-Based Speech Enhancement in the Time Domain. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1179-1188.	4.0	176
54	A deep learning algorithm to increase intelligibility for hearing-impaired listeners in the presence of a competing talker and reverberation. Journal of the Acoustical Society of America, 2019, 145, 1378-1388.	0.5	29

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55	Two-Stage Deep Learning for Noisy-Reverberant Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 53-62.	4.0	69
56	Combining Spectral and Spatial Features for Deep Learning Based Blind Speaker Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 457-468.	4.0	81
57	Robust Speaker Localization Guided by Deep Learning-Based Time-Frequency Masking. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 178-188.	4.0	77
58	Gated Residual Networks With Dilated Convolutions for Monaural Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 189-198.	4.0	117
59	DNN Based Mask Estimation for Supervised Speech Separation. Signals and Communication Technology, 2018, , 207-235.	0.4	9
60	On Spatial Features for Supervised Speech Separation and its Application to Beamforming and Robust ASR. , 2018, , .		19
61	Gated Residual Networks with Dilated Convolutions for Supervised Speech Separation. , 2018, , .		28
62	Late Reverberation Suppression Using Recurrent Neural Networks with Long Short-Term Memory. , 2018, , .		17
63	Utterance-Wise Recurrent Dropout and Iterative Speaker Adaptation for Robust Monaural Speech Recognition. , 2018, , .		5
64	Recurrent Neural Networks for Cochannel Speech Separation in Reverberant Environments. , 2018, , .		5
65	A Casa Approach to Deep Learning Based Speaker-Independent Co-Channel Speech Separation. , 2018, , .		18
66	Time-Frequency Masking Based Online Speech Enhancement with Multi-Channel Data Using Convolutional Neural Networks. , 2018, , .		19
67	A deep learning based segregation algorithm to increase speech intelligibility for hearing-impaired listeners in reverberant-noisy conditions. Journal of the Acoustical Society of America, 2018, 144, 1627-1637.	0.5	27
68	Mask Weighted Stft Ratios for Relative Transfer Function Estimation and ITS Application to Robust ASR. , 2018, , .		15
69	On Adversarial Training and Loss Functions for Speech Enhancement. , 2018, , .		53
70	Supervised Speech Separation Based on Deep Learning: An Overview. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1702-1726.	4.0	870
71	Deep learning reinvents the hearing aid. IEEE Spectrum, 2017, 54, 32-37.	0.5	89
72	Speaker-dependent multipitch tracking using deep neural networks. Journal of the Acoustical Society of America, 2017, 141, 710-721.	0.5	11

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73	Time-Frequency Masking in the Complex Domain for Speech Dereverberation and Denoising. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1492-1501.	4.0	150
74	An algorithm to increase intelligibility for hearing-impaired listeners in the presence of a competing talker. Journal of the Acoustical Society of America, 2017, 141, 4230-4239.	0.5	33
75	Deep Learning Based Binaural Speech Separation in Reverberant Environments. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1075-1084.	4.0	89
76	Features for Masking-Based Monaural Speech Separation in Reverberant Conditions. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1085-1094.	4.0	57
77	A speech enhancement algorithm by iterating single- and multi-microphone processing and its application to robust ASR. , 2017, , .		42
78	A two-stage algorithm for noisy and reverberant speech enhancement. , 2017, , .		26
79	Long short-term memory for speaker generalization in supervised speech separation. Journal of the Acoustical Society of America, 2017, 141, 4705-4714.	0.5	178
80	Recurrent deep stacking networks for supervised speech separation. , 2017, , .		20
81	Impact of phase estimation on single-channel speech separation based on time-frequency masking. Journal of the Acoustical Society of America, 2017, 141, 4668-4679.	0.5	21
82	Unsupervised speaker adaptation of batch normalized acoustic models for robust ASR. , 2017, , .		13
83	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
84	Robust speech recognition from ratio masks. , 2016, , .		0
85	Complex ratio masking for joint enhancement of magnitude and phase. , 2016, , .		50
86	Phoneme-specific speech separation. , 2016, , .		20
87	DNN-based enhancement of noisy and reverberant speech. , 2016, , .		45
88	Noise perturbation for supervised speech separation. Speech Communication, 2016, 78, 1-10.	1.6	24
89	Complex Ratio Masking for Monaural Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 483-492.	4.0	495
90	A Deep Ensemble Learning Method for Monaural Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 967-977.	4.0	169

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91	A Joint Training Framework for Robust Automatic Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 796-806.	4.0	100
92	Boosting Contextual Information for Deep Neural Network Based Voice Activity Detection. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 252-264.	4.0	104
93	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
94	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
95	Learning Spectral Mapping for Speech Dereverberation and Denoising. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 982-992.	4.0	185
96	A deep neural network for time-domain signal reconstruction. , 2015, , .		66
97	Factorization-Based Texture Segmentation. IEEE Transactions on Image Processing, 2015, 24, 3488-3497.	6.0	79
98	Cochannel Speaker Identification in Anechoic and Reverberant Conditions. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1727-1736.	4.0	10
99	Deep neural networks for estimating speech model activations. , 2015, , .		9
100	Noise Perturbation Improves Supervised Speech Separation. Lecture Notes in Computer Science, 2015, , 83-90.	1.0	6
101	Improving robustness of deep neural network acoustic models via speech separation and joint adaptive training. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 23, 1-1.	4.0	40
102	Learning spectral mapping for speech dereverberation. , 2014, , .		55
103	Neural networks for supervised pitch tracking in noise. , 2014, , .		14
104	Joint noise adaptive training for robust automatic speech recognition. , 2014, , .		69
105	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
106	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
107	A structure-preserving training target for supervised speech separation. , 2014, , .		20
108	On Training Targets for Supervised Speech Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1849-1858.	4.0	758

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109	Neural Network Based Pitch Tracking in Very Noisy Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 2158-2168.	4.0	71
110	Robust speaker identification in noisy and reverberant conditions. , 2014, , .		20
111	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
112	Binaural Classification for Reverberant Speech Segregation Using Deep Neural Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 2112-2121.	4.0	96
113	Robust Speaker Identification in Noisy and Reverberant Conditions. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 836-845.	4.0	91
114	Investigation of Speech Separation as a Front-End for Noise Robust Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 826-835.	4.0	99
115	Remote Sensing Image Segmentation by Combining Spectral and Texture Features. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 16-24.	2.7	99
116	An iterative model-based approach to cochannel speech separation. Eurasip Journal on Audio, Speech, and Music Processing, 2013, 2013, .	1.3	22
117	A Direct Masking Approach to Robust ASR. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1993-2005.	3.8	33
118	An Unsupervised Approach to Cochannel Speech Separation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 122-131.	3.8	56
119	Towards Generalizing Classification Based Speech Separation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 168-177.	3.8	16
120	Exploring Monaural Features for Classification-Based Speech Segregation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 270-279.	3.8	162
121	Towards Scaling Up Classification-Based Speech Separation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1381-1390.	3.8	348
122	Binaural Detection, Localization, and Segregation in Reverberant Environments Based on Joint Pitch and Azimuth Cues. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 806-815.	3.8	30
123	The role of binary mask patterns in automatic speech recognition in background noise. Journal of the Acoustical Society of America, 2013, 133, 3083-3093.	0.5	21
124	Ideal ratio mask estimation using deep neural networks for robust speech recognition. , 2013, , .		351
125	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
126	Analyzing noise robustness of MFCC and GFCC features in speaker identification. , 2013, , .		119

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127	A sparse representation approach for perceptual quality improvement of separated speech. , 2013, , .		4
128	Coupling binary masking and robust ASR. , 2013, , .		6
129	Feature denoising for speech separation in unknown noisy environments. , 2013, , .		8
130	Learning invariant features for speech separation. , 2013, , .		0
131	A classification based approach to speech segregation. Journal of the Acoustical Society of America, 2012, 132, 3475-3483.	0.5	77
132	SVM-based separation of unvoiced-voiced speech in cochannel conditions. , 2012, , .		2
133	A CASA-Based System for Long-Term SNR Estimation. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 2518-2527.	3.8	26
134	Binaural speech segregation based on pitch and azimuth tracking. , 2012, , .		1
135	On generalization of classification based speech separation. , 2012, , .		0
136	Image segmentation using local spectral histograms and linear regression. Pattern Recognition Letters, 2012, 33, 615-622.	2.6	14
137	A Tandem Algorithm for Singing Pitch Extraction and Voice Separation From Music Accompaniment. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1482-1491.	3.8	51
138	Binaural Localization of Multiple Sources in Reverberant and Noisy Environments. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1503-1512.	3.8	94
139	CASA-Based Robust Speaker Identification. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1608-1616.	3.8	136
140	Image segmentation based on local spectral histograms and linear regression. , 2011, , .		1
141	Directionality-based speech enhancement for hearing aids. , 2011, , .		4
142	A trend estimation algorithm for singing pitch detection in musical recordings. , 2011, , .		12
143	LEGION-Based Automatic Road Extraction From Satellite Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4528-4538.	2.7	52
144	HMM-Based Multipitch Tracking for Noisy and Reverberant Speech. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1091-1102.	3.8	58

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145	Unvoiced Speech Segregation From Nonspeech Interference via CASA and Spectral Subtraction. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1600-1609.	3.8	43
146	Reverberant Speech Segregation Based on Multipitch Tracking and Classification. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2328-2337.	3.8	10
147	Selecting salient objects in real scenes: An oscillatory correlation model. Neural Networks, 2011, 24, 54-64.	3.3	25
148	A multistage approach to blind separation of convolutive speech mixtures. Speech Communication, 2011, 53, 524-539.	1.6	24
149	Robust speaker identification using a CASA front-end. , 2011, , .		13
150	On the use of ideal binary masks for improving phonetic classification. , 2011, , .		1
151	An approach to sequential grouping in cochannel speech. , 2011, , .		1
152	An SVM based classification approach to speech separation. , 2011, , .		26
153	Robust speech recognition from binary masks. Journal of the Acoustical Society of America, 2010, 128, EL217-EL222.	0.5	13
154	A Tandem Algorithm for Pitch Estimation and Voiced Speech Segregation. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 2067-2079.	3.8	188
155	Sequential Organization of Speech in Reverberant Environments by Integrating Monaural Grouping and Binaural Localization. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1856-1866.	3.8	23
156	Robust speech recognition by integrating speech separation and hypothesis testing. Speech Communication, 2010, 52, 72-81.	1.6	23
157	A computational auditory scene analysis system for speech segregation and robust speech recognition. Computer Speech and Language, 2010, 24, 77-93.	2.9	93
158	Integrating monaural and binaural analysis for localizing multiple reverberant sound sources. , 2010, , .		4
159	A multipitch tracking algorithm for noisy and reverberant speech. , 2010, , .		9
160	Multitalker speech perception with ideal time-frequency segregation: Effects of voice characteristics and number of talkers. Journal of the Acoustical Society of America, 2009, 125, 4006-4022.	0.5	49
161	Learning to maximize signal-to-noise ratio for reverberant speech segregation. , 2009, , .		0
162	Role of mask pattern in intelligibility of ideal binary-masked noisy speech. Journal of the Acoustical Society of America, 2009, 126, 1415-1426.	0.5	135

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163	A multistage approach for blind separation of convolutive speech mixtures. , 2009, , .		11
164	Incorporating spectral subtraction and noise type for unvoiced speech segregation. , 2009, , .		3
165	On the role of localization cues in binaural segregation of reverberant speech. , 2009, , .		2
166	A Supervised Learning Approach to Monaural Segregation of Reverberant Speech. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 625-638.	3.8	60
167	Monaural Musical Sound Separation Based on Pitch and Common Amplitude Modulation. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1361-1371.	3.8	34
168	On the optimality of ideal binary timeâ€“frequency masks. Speech Communication, 2009, 51, 230-239.	1.6	113
169	Sequential organization of speech in computational auditory scene analysis. Speech Communication, 2009, 51, 657-667.	1.6	16
170	An auditory-based feature for robust speech recognition. , 2009, , .		90
171	Speech intelligibility in background noise with ideal binary time-frequency masking. Journal of the Acoustical Society of America, 2009, 125, 2336-2347.	0.5	156
172	An oscillatory correlation model of object-based attention. , 2009, , .		7
173	Automatic road extraction from satellite imagery using LEGION networks. , 2009, , .		7
174	Musical Sound Separation Based on Binary Time-Frequency Masking. Eurasip Journal on Audio, Speech, and Music Processing, 2009, 2009, 1-10.	1.3	6
175	An oscillatory correlation model of auditory streaming. Cognitive Neurodynamics, 2008, 2, 7-19.	2.3	37
176	Binaural Tracking of Multiple Moving Sources. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 728-739.	3.8	67
177	Two-Microphone Separation of Speech Mixtures. IEEE Transactions on Neural Networks, 2008, 19, 475-492.	4.8	75
178	Musical Sound Separation Using Pitch-Based Labeling and Binary Time-Frequency Masking. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	11
179	Robust speaker identification using auditory features and computational auditory scene analysis. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	45
180	Time-Frequency Masking for Speech Separation and Its Potential for Hearing Aid Design. Trends in Amplification, 2008, 12, 332-353.	2.4	130

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181	Speech perception of noise with binary gains. Journal of the Acoustical Society of America, 2008, 124, 2303-2307.	0.5	43
182	Segregation of unvoiced speech from nonspeech interference. Journal of the Acoustical Society of America, 2008, 124, 1306-1319.	0.5	55
183	On the optimality of ideal binary time-frequency masks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	3
184	A model for multitalker speech perception. Journal of the Acoustical Society of America, 2008, 124, 3213-3224.	0.5	16
185	The Time Dimension for Scene Analysis. , 2008, , 361-363.		0
186	Cocktail Party Processing. , 2008, , 333-348.		2
187	Pitch Detection in Polyphonic Music using Instrument Tone Models. , 2007, , .		10
188	Incorporating Auditory Feature Uncertainties in Robust Speaker Identification. , 2007, , .		53
189	Exploiting Uncertainties for Binaural Speech Recognition. , 2007, , .		2
190	A Supervised Learning Approach to Monaural Segregation of Reverberant Speech. , 2007, , .		33
191	Auditory Segmentation Based on Onset and Offset Analysis. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 396-405.	3.8	98
192	Separation of Singing Voice From Music Accompaniment for Monaural Recordings. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 1475-1487.	3.8	122
193	Transforming Binary Uncertainties for Robust Speech Recognition. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 2130-2140.	3.8	54
194	Computational Scene Analysis. Studies in Computational Intelligence, 2007, , 163-191.	0.7	6
195	A two-stage algorithm for one-microphone reverberant speech enhancement. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 774-784.	3.8	158
196	A biologically inspired neural oscillator network for geospatial analysis. , 2006, , .		1
197	Binary and ratio time-frequency masks for robust speech recognition. Speech Communication, 2006, 48, 1486-1501.	1.6	186
198	Model-based sequential organization in cochannel speech. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 289-298.	3.8	54

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199	Binaural segregation in multisource reverberant environments. Journal of the Acoustical Society of America, 2006, 120, 4040-4051.	0.5	50
200	Isolating the energetic component of speech-on-speech masking with ideal time-frequency segregation. Journal of the Acoustical Society of America, 2006, 120, 4007-4018.	0.5	333
201	Pitch-based monaural segregation of reverberant speech. Journal of the Acoustical Society of America, 2006, 120, 458-469.	0.5	42
202	Separating Underdetermined Convolutive Speech Mixtures. Lecture Notes in Computer Science, 2006, , 674-681.	1.0	8
203	Image and Texture Segmentation Using Local Spectral Histograms. IEEE Transactions on Image Processing, 2006, 15, 3066-3077.	6.0	96
204	Computational Auditory Scene Analysis. , 2006, , .		452
205	Cocktail Party Processing. Lecture Notes in Computer Science, 2006, , 6-6.	1.0	0
206	A schema-based model for phonemic restoration. Speech Communication, 2005, 45, 63-87.	1.6	33
207	Efficient visual search without top-down or bottom-up guidance. Perception & Psychophysics, 2005, 67, 239-253.	2.3	128
208	The Time Dimension for Scene Analysis. IEEE Transactions on Neural Networks, 2005, 16, 1401-1426.	4.8	96
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