John H L Hansen

List of Publications by Year
in descending order

218 papers	4,847 citations	172207 29 h-index	161609 54 g-index
223 all docs	223 docs citations	223 times ranked	2776 citing authors

#	Article	IF	Citations
1	Vision-Cloud Data Fusion for ADAS: A Lane Change Prediction Case Study. IEEE Transactions on Intelligent Vehicles, 2022, 7, 210-220.	9.4	26
2	CCi-MOBILE: A Portable Real Time Speech Processing Platform for Cochlear Implant and Hearing Research. IEEE Transactions on Biomedical Engineering, 2022, 69, 1251-1263.	2.5	14
3	Multi-Source Domain Adaptation for Text-Independent Forensic Speaker Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 60-75.	4.0	12
4	Deep Spoken Keyword Spotting: An Overview. IEEE Access, 2022, 10, 4169-4199.	2.6	27
5	SkipConvGAN: Monaural Speech Dereverberation Using Generative Adversarial Networks via Complex Time-Frequency Masking. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1600-1613.	4.0	6
6	The effects of Lombard perturbation on speech intelligibility in noise for normal hearing and cochlear implant listeners. Journal of the Acoustical Society of America, 2022, 151, 1007-1021.	0.5	2
7	Assessing child communication engagement and statistical speech patterns for American English via speech recognition in naturalistic active learning spaces. Speech Communication, 2022, 140, 98-108.	1.6	6
8	Block-Based High Performance CNN Architectures for Frame-Level Overlapping Speech Detection. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 28-40.	4.0	28
9	Analysis and Calibration of Lombard Effect and Whisper for Speaker Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 927-942.	4.0	7
10	An evaluation framework for research platforms to advance cochlear implant/hearing aid technology: A case study with CCi-MOBILE. Journal of the Acoustical Society of America, 2021, 149, 229-245.	0.5	7
11	Guided Generative Adversarial Neural Network for Representation Learning and Audio Generation Using Fewer Labelled Audio Data. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2575-2590.	4.0	5
12	Capturing talk and proximity in the classroom: Advances in measuring features of young children's friendships. Early Childhood Research Quarterly, 2021, 57, 102-109.	1.6	11
13	A Review of UTDrive Studies: Learning Driver Behavior From Naturalistic Driving Data. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 338-346.	2.6	7
14	An investigation of domain adaptation in speaker embedding space for speaker recognition. Speech Communication, 2021, 129, 7-16.	1.6	9
15	Curriculum Learning based approaches for robust end-to-end far-field speech recognition. Speech Communication, 2021, 132, 123-131.	1.6	3
16	An intrusive method for estimating speech intelligibility from noisy and distorted signals. Journal of the Acoustical Society of America, 2021, 150, 1762-1778.	0.5	4
17	Nonlinear waveform distortion: Assessment and detection of clipping on speech data and systems. Speech Communication, 2021, 134, 20-31.	1.6	8
18	Estimating hearing aid fitting presets with machine learning–based clustering strategies. JASA Express Letters, 2021, 1, 115204.	0.5	0

#	Article	IF	Citations
19	Challenges in real-time-embedded IoT Command Recognition. , 2021, , .		3
20	Scenario Aware Speech Recognition: Advancements for Apollo Fearless Steps & CHiME-4 Corpora. , 2021, , .		3
21	Speaker Conditioning of Acoustic Models Using Affine Transformation for Multi-Speaker Speech Recognition. , 2021, , .		1
22	Frame-Based Overlapping Speech Detection Using Convolutional Neural Networks. , 2020, , .		7
23	Portable Smart-Space Research Interface to Predetermine Environment Acoustics for Cochlear implant and Hearing aid users with CCi-MOBILE. , 2020, 2020, 4221-4224.		2
24	Speech variability: A cross-language study on acoustic variations of speaking versus untrained singing. Journal of the Acoustical Society of America, 2020, 148, 829-844.	0.5	6
25	A speech perturbation strategy based on â€œLombard effectâ€•for enhanced intelligibility for cochlear implant listeners. Journal of the Acoustical Society of America, 2020, 147, 1418-1428.	0.5	8
26	Phonetic variability constrained bottleneck features for joint speaker recognition and physical task stress detection. Journal of the Acoustical Society of America, 2020, 148, 2912-2921.	0.5	2
27	Sensor Fusion of Camera and Cloud Digital Twin Information for Intelligent Vehicles. , 2020, , .		27
28	CCi-MOBILE: Design and Evaluation of a Cochlear Implant and Hearing Aid Research Platform for Speech Scientists and Engineers. , 2019, 2019, .		16
29	Transfer Learning Using Raw Waveform Sincnet for Robust Speaker Diarization. , 2019, , .		9
30	Speech and language processing for assessing childâ€"adult interaction based on diarization and location. International Journal of Speech Technology, 2019, 22, 697-709.	1.4	5
31	UTD-CRSS Systems for 2018 NIST Speaker Recognition Evaluation. , 2019, , .		46
32	Risky Action Recognition in Lane Change Video Clips using Deep Spatiotemporal Networks with Segmentation Mask Transfer. , 2019, , .		17
33	Multi-domain adversarial training of neural network acoustic models for distant speech recognition. Speech Communication, 2019, 106, 21-30.	1.6	18
34	Convolutional Neural Network-Based Speech Enhancement for Cochlear Implant Recipients. , 2019, 2019, 4265-4269.		22
35	Language/Dialect Recognition Based on Unsupervised Deep Learning. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 873-882.	4.0	28
36	Speech enhancement for cochlear implant recipients. Journal of the Acoustical Society of America, 2018, 143, 2244-2254.	0.5	17

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37	Training candidate selection for effective out-of-set rejection in robust open-set language identification. Journal of the Acoustical Society of America, 2018, 143, 418-428.	0.5	1
38	Curriculum Learning Based Approaches for Noise Robust Speaker Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 197-210.	4.0	27
39	Modelling and compensation for language mismatch in speaker verification. Speech Communication, 2018, 96, 58-66.	1.6	10
40	Detection and Calibration of Whisper for Speaker Recognition. , 2018, , .		4
41	Robust Feature Clustering for Unsupervised Speech Activity Detection. , 2018, , .		5
42	Formant priority channel selection for an â€œ<i>n</i>-of-<i>m</i>â€•sound processing strategy for cochlear implants. Journal of the Acoustical Society of America, 2018, 144, 3371-3380.	0.5	7
43	Speech Activity Detection in Naturalistic Audio Environments: Fearless Steps Apollo Corpus. IEEE Signal Processing Letters, 2018, 25, 1290-1294.	2.1	6
44	Maximum-Likelihood Linear Transformation for Unsupervised Domain Adaptation in Speaker Verification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1549-1558.	4.0	10
45	On the issues of intra-speaker variability and realism in speech, speaker, and language recognition tasks. Speech Communication, 2018, 101, 94-108.	1.6	19
46	Leveraging Frequency-Dependent Kernel and DIP-Based Clustering for Robust Speech Activity Detection in Naturalistic Audio Streams. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 2056-2071.	4.0	9
47	Text-Independent Speaker Verification Based on Triplet Convolutional Neural Network Embeddings. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1633-1644.	4.0	126
48	An Investigation of Deep-Learning Frameworks for Speaker Verification Antispoofing. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 684-694.	7.3	83
49	Teagerâ€"Kaiser Energy Operators for Overlapped Speech Detection. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1035-1047.	4.0	28
50	Automatic Sentiment Detection in Naturalistic Audio. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1668-1679.	4.0	21
51	Robust Harmonic Features for Classification-Based Pitch Estimation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 952-964.	4.0	17
52	Using speech technology for quantifying behavioral characteristics in peer-led team learning sessions. Computer Speech and Language, 2017, 46, 343-366.	2.9	8
53	Analysis of human scream and its impact on text-independent speaker verification. Journal of the Acoustical Society of America, 2017, 141, 2957-2967.	0.5	18
54	The Lombard effect observed in speech produced by cochlear implant users in noisy environments: A naturalistic study. Journal of the Acoustical Society of America, 2017, 141, 2788-2799.	0.5	11

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55	Mapping the Early Language Environment Using All-Day Recordings and Automated Analysis. American Journal of Speech-Language Pathology, 2017, 26, 248-265.	0.9	261
56	Lane-Change Detection From Steering Signal Using Spectral Segmentation and Learning-Based Classification. IEEE Transactions on Intelligent Vehicles, 2017, 2, 14-24.	9.4	76
57	A study of voice production characteristics of astronuat speech during Apollo 11 for speaker modeling in space. Journal of the Acoustical Society of America, 2017, 141, 1605-1614.	0.5	4
58	Phoneme class based feature adaptation for mismatch acoustic modeling and recognition of distant noisy speech. International Journal of Speech Technology, 2017, 20, 799-811.	1.4	1
59	Navigation-orientated natural spoken language understanding for intelligent vehicle dialogue. , 2017, , .		15
60	Deep neural network training for whispered speech recognition using small databases and generative model sampling. International Journal of Speech Technology, 2017, 20, 1063-1075.	1.4	11
61	i-Vector/PLDA speaker recognition using support vectors with discriminant analysis. , 2017, , .		22
62	Driver Modeling for Detection and Assessment of Driver Distraction: Examples from the UTDrive Test Bed. IEEE Signal Processing Magazine, 2017, 34, 130-142.	4.6	47
63	Exploring Classroom Behavioral Imaging: Moving Closer to Effective and Data-Based Early Childhood Inclusion Planning. Advances in Neurodevelopmental Disorders, 2017, 1, 95-104.	0.7	15
64	Intent detection and semantic parsing for navigation dialogue language processing. , 2017, , .		6
65	UTD-CRSS submission for MGB-3 Arabic dialect identification: Front-end and back-end advancements on broadcast speech. , 2017, , .		4
66	Generative Modeling of Pseudo-Whisper for Robust Whispered Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1705-1720.	4.0	18
67	Evaluation and calibration of Lombard effects in speaker verification. , 2016, , .		4
68	A robust diarization system for measuring dominance in Peer-Led Team Learning groups. , 2016, , .		4
69	Joint information from nonlinear and linear features for spoofing detection: An i-vector/DNN based approach. , 2016, , .		14
70	Unsupervised driving performance assessment using free-positioned smartphones in vehicles. , 2016, , .		17
71	Employing speech and location information for automatic assessment of child language environments. , 2016, , .		8
72	Microphone Array Processing Strategies for Distant-Based Automatic Speech Recognition. IEEE Signal Processing Letters, 2016, 23, 1344-1348.	2.1	7

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73	Effective word count estimation for long duration daily naturalistic audio recordings. Speech Communication, 2016, 84, 15-23.	1.6	6
74	Conversational In-Vehicle Dialog Systems: The past, present, and future. IEEE Signal Processing Magazine, 2016, 33, 49-60.	4.6	42
75	UTD-CRSS system for the NIST 2015 language recognition i-vector machine learning challenge. , 2016, , .		7
76	Score-Aging Calibration for Speaker Verification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 2414-2424.	4.0	5
77	A Generalized Nonnegative Tensor Factorization Approach for Distant Speech Recognition With Distributed Microphones. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1721-1731.	4.0	13
78	Unsupervised accent classification for deep data fusion of accent and language information. Speech Communication, 2016, 78, 19-33.	1.6	25
79	Generative modeling of pseudo-target domain adaptation samples for whispered speech recognition. , 2015, , .		15
80	Evaluation and analysis of whispered speech for cochlear implant users: Gender identification and intelligibility. Journal of the Acoustical Society of America, 2015, 138, 74-79.	0.5	5
81	Speaker height estimation from speech: Fusing spectral regression and statistical acoustic models. Journal of the Acoustical Society of America, 2015, 138, 1052-1067.	0.5	11
82	Physical task stress and speaker variability in voice quality. Eurasip Journal on Audio, Speech, and Music Processing, 2015, 2015, .	1.3	17
83	Prof-Life-Log: Analysis and classification of activities in daily audio streams. , 2015, , .		9
84	Mean Hilbert envelope coefficients (MHEC) for robust speaker and language identification. Speech Communication, 2015, 72, 138-148.	1.6	52
85	In-vehicle speech recognition and tutorial keywords spotting for novice drivers' performance evaluation. , 2015, , .		9
86	Robust unsupervised detection of human screams in noisy acoustic environments. , 2015, , .		17
87	Weighted training for speech under Lombard Effect for speaker recognition. , 2015, , .		7
88	Automatic analysis of dialect/language sets. International Journal of Speech Technology, 2015, 18, 277-286.	1.4	16
89	Advanced parallel combined Gaussian mixture model based feature compensation integrated with iterative channel estimation. Speech Communication, 2015, 73, 81-93.	1.6	2
90	A Hybrid Coherence Model for Noise Reduction in Reverberant Environments. IEEE Signal Processing Letters, 2015, 22, 279-282.	2.1	11

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91	Robust overlapped speech detection and its application in word-count estimation for Prof-Life-Log data. , 2015, , .		16
92	Speaker Recognition by Machines and Humans: A tutorial review. IEEE Signal Processing Magazine, 2015, 32, 74-99.	4.6	420
93	Frequency offset correction in single sideband speech for speaker verification. , 2014, , .		1
94	Evaluation of the importance of time-frequency contributions to speech intelligibility in noise. Journal of the Acoustical Society of America, 2014, 135, 3007-3016.	0.5	7
95	An Investigation into Back-end Advancements for Speaker Recognition in Multi-Session and Noisy Enrollment Scenarios. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1978-1992.	4.0	33
96	Evaluation of adaptive dynamic range optimization in adverse listening conditions for cochlear implants. Journal of the Acoustical Society of America, 2014, 136, EL242-EL248.	0.5	0
97	Threshold based decision-tree for automatic driving maneuver recognition using CAN-Bus signal. , 2014, , .		10
98	UT-Vocal Effort II: Analysis and constrained-lexicon recognition of whispered speech. , 2014, , .		20
99	Effective background data selection for SVM-based speaker recognition with unseen test environments: more is not always better. International Journal of Speech Technology, 2014, 17, 211-221.	1.4	1
100	Car noise verification and applications. International Journal of Speech Technology, 2014, 17, 167-181.	1.4	7
101	Maximum Likelihood Acoustic Factor Analysis Models for Robust Speaker Verification in Noise. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 381-391.	4.0	23
102	Environment mismatch compensation using average eigenspace-based methods for robust speech recognition. International Journal of Speech Technology, 2014, 17, 353-364.	1.4	4
103	Spoken language mismatch in speaker verification: An investigation with NIST-SRE and CRSS Bi-Ling corpora. , 2014, , .		20
104	Effects of Multitasking on Drivability Through CAN-Bus Analysis. , 2014, , 169-182.		4
105	Compensation of SNR and noise type mismatch using an environmental sniffing based speech recognition solution. Eurasip Journal on Audio, Speech, and Music Processing, 2013, 2013, .	1.3	4
106	Environment dependent noise tracking for speech enhancement. International Journal of Speech Technology, 2013, 16, 303-312.	1.4	2
107	CRSS systems for 2012 NIST Speaker Recognition Evaluation. , 2013, , .		36
108	Automatic sentiment extraction from YouTube videos. , 2013, , .		16

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109	Singing speaker clustering based on subspace learning in the GMM mean supervector space. Speech Communication, 2013, 55, 653-666.	1.6	15
110	In-set/out-of-set speaker recognition in sustained acoustic scenarios using sparse data. Speech Communication, 2013, 55, 769-781.	1.6	1
111	Acoustic analysis and feature transformation from neutral to whisper for speaker identification within whispered speech audio streams. Speech Communication, 2013, 55, 119-134.	1.6	20
112	Sentiment extraction from natural audio streams. , 2013, , .		33
113	Automatic Accent Assessment Using Phonetic Mismatch and Human Perception. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1818-1829.	3.8	8
114	Duration mismatch compensation for i-vector based speaker recognition systems. , 2013, , .		85
115	Robust front-end processing for speaker identification over extremely degraded communication channels. , 2013, , .		8
116	An investigation on back-end for speaker recognition in multi-session enrollment. , 2013, , .		31
117	Overlapped-speech detection with applications to driver assessment for in-vehicle active safety systems. , 2013, , .		14
118	Supervector pre-processing for PRSVM-based Chinese and Arabic dialect identification. , 2013, , .		13
119	Prof-Life-Log: Personal interaction analysis for naturalistic audio streams. , 2013, , .		17
120	Unsupervised Speech Activity Detection Using Voicing Measures and Perceptual Spectral Flux. IEEE Signal Processing Letters, 2013, 20, 197-200.	2.1	199
121	ProfLifeLog: Environmental analysis and keyword recognition for naturalistic daily audio streams. , 2012, , .		8
122	Leveraging sensor information from portable devices towards automatic driving maneuver recognition. , 2012, , .		44
123	Improved parcel sorting by combining automatic speech and character recognition. , 2012, , .		5
124	Acoustic hole filling for sparse enrollment data using a cohort universal corpus for speaker recognition. Journal of the Acoustical Society of America, 2012, 131, 1515-1528.	0.5	5
125	Feature compensation employing online GMM adaptation for speech recognition in unknown severely adverse environments. , 2012, , .		4
126	Blind reverberation mitigation for robust speaker identification. , 2012, , .		10

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127	Robust feature front-end for speaker identification. , 2012, , .		16
128	A fast speaker verification with universal background support data selection. , 2012, , .		10
129	Trends in Speech and Language Processing [In the Spotlight]. IEEE Signal Processing Magazine, 2012, 29, 177-179.	4.6	12
130	TEO-based speaker stress assessment using hybrid classification and tracking schemes. International Journal of Speech Technology, 2012, 15, 295-311.	1.4	9
131	Automatic analysis of Mandarin accented English using phonological features. Speech Communication, 2012, 54, 40-54.	1.6	9
132	Towards Multimodal Driverâ€™s Stress Detection. , 2012, , 3-19.		7
133	Speech Under Stress and Lombard Effect: Impact and Solutions for Forensic Speaker Recognition. , 2012, , 103-123.		6
134	CAN-Bus Signal Analysis Using Stochastic Methods and Pattern Recognition in Time Series for Active Safety. , 2012, , 283-292.		2
135	International Large-Scale Vehicle Corpora for Research on Driver Behavior on the Road. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1609-1623.	4.7	67
136	Relative proportionate NLMS: Improving convergence for acoustic channel identification. , 2011, , .		0
137	Robust Emotional Stressed Speech Detection Using Weighted Frequency Subbands. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	22
138	Dialect Classification via Text-Independent Training and Testing for Arabic, Spanish, and Chinese. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 85-96.	3.8	67
139	Whisper-Island Detection Based on Unsupervised Segmentation With Entropy-Based Speech Feature Processing. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 883-894.	3.8	33
140	Speaker Identification Within Whispered Speech Audio Streams. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1408-1421.	3.8	61
141	A Novel Mask Estimation Method Employing Posterior-Based Representative Mean Estimate for Missing-Feature Speech Recognition. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1434-1443.	3.8	11
142	Mismatch modeling and compensation for robust speaker verification. Speech Communication, 2011, 53, 257-268.	1.6	4
143	Information fusion for robust â€˜context and driver awareâ€™ active vehicle safety systems. Information Fusion, 2011, 12, 293-303.	11.7	36
144	Variational noise model composition through model perturbation for robust speech recognition with time-varying background noise. Speech Communication, 2011, 53, 451-464.	1.6	6

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145	Hilbert envelope based features for robust speaker identification under reverberant mismatched conditions. , 2011, , .		52
146	Language identification for singing. , 2011, , .		7
147	UT-Scope: Towards LVCSR under Lombard effect induced by varying types and levels of noisy background. , 2011, , .		14
148	Phoneme selective speech enhancement using the generalized parametric spectral subtraction estimator. , 2011, , .		2
149	Language identification using a combined articulatory prosody framework. , 2011, , .		3
150	Effective background data selection in SVM speaker recognition for unseen test environment: More is not always better. , 2011, , .		2
151	Spatial, spectral and temporal adaptation for fast fading MIMO-OFDMA systems. , 2011, , .		1
152	Analysis of the effects of physical task stress on the speech signal. Journal of the Acoustical Society of America, 2011, 130, 3992-3998.	0.5	14
153	Unsupervised Equalization of Lombard Effect for Speech Recognition in Noisy Adverse Environments. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1379-1393.	3.8	64
154	Missing-Feature Reconstruction by Leveraging Temporal Spectral Correlation for Robust Speech Recognition in Background Noise Conditions. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 2111-2120.	3.8	9
155	Automatic Beamforming for Blind Extraction of Speech From Music Environment Using Variance of Spectral Flux-Inspired Criterion. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 785-797.	7.3	6
156	Analysis of CFA-BF: Novel combined fixed/adaptive beamforming for robust speech recognition in real car environments. Speech Communication, 2010, 52, 134-149.	1.6	7
157	The physiological microphone (PMIC): A competitive alternative for speaker assessment in stress detection and speaker verification. Speech Communication, 2010, 52, 327-340.	1.6	36
158	Speech under physical stress: A production-based framework. , 2010, , .		2
159	Dialect distance assessment method based on comparison of pitch pattern statistical models. , 2010, , .		11
160	Broad phoneme class based speech enhancement using mixture maximum model. , 2010, , .		2
161	Limited resource speech recognition for Nigerian English. , 2010, , .		4
162	Acoustic analysis for speaker identification of whispered speech. , 2010, , .		13

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163	Keyword recognition with phone confusion networks and phonological features based keyword threshold detection. , 2010, , .		10
164	An efficient microphone array based voice activity detector for driver's speech in noise and music rich in-vehicle environments. , 2010, , .		6
165	The &#x201C;UTDrive&#x201D; in-vehicle voice activity detection system. , 2010, , .		0
166	Automatic language analysis and identification based on speech production knowledge. , 2010, , .		9
167	Angry emotion detection from real-life conversational speech by leveraging content structure. , 2010, , .		9
168	A kernel mean matching approach for environment mismatch compensation in speech recognition. , 2010, , .		0
169	A novel feature sub-sampling method for efficient universal background model training in speaker verification. , 2010, , .		10
170	Phonetic Distance Based Confidence Measure. IEEE Signal Processing Letters, 2010, 17, 121-124.	2.1	4
171	Factor analysis-based information integration for Arabic dialect identification. , 2009, , .		5
172	Analysis and Compensation of Lombard Speech Across Noise Type and Levels With Application to In-Set/Out-of-Set Speaker Recognition. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 366-378.	3.8	70
173	Time–Frequency Correlation-Based Missing-Feature Reconstruction for Robust Speech Recognition in Band-Restricted Conditions. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1292-1304.	3.8	14
174	Babble Noise: Modeling, Analysis, and Applications. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1394-1407.	3.8	55
175	Feature compensation in the cepstral domain employing model combination. Speech Communication, 2009, 51, 83-96.	1.6	35
176	Speaker identification with whispered speech based on modified LFCC parameters and feature mapping. , 2009, , .		26
177	Mask estimation employing Posterior-based Representative Mean for missing-feature speech recognition with time-varying background noise. , 2009, , .		3
178	Assessment of speech dialog systems using multi-modal cognitive load analysis and driving performance metrics. , 2009, , .		2
179	Enhancing in-vehicle safety via contact sensor for stress detection. , 2009, , .		1
180	A new perceptually motivated MVDR-based acoustic front-end (PMVDR) for robust automatic speech recognition. Speech Communication, 2008, 50, 142-152.	1.6	119

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181	Driver behavior analysis and route recognition by Hidden Markov Models. , 2008, , .		82
182	Advances in Human-Machine Systems for In-Vehicle Environments. , 2008, , .		0
183	Towards an Intelligent Acoustic Front End for Automatic Speech Recognition: Built-in Speaker Normalization. Eurasip Journal on Audio, Speech, and Music Processing, 2008, 2008, 1-13.	1.3	2
184	UT-Scope: Speech under Lombard Effect and Cognitive Stress. , 2007, , .		21
185	Multi-stream dialect classification using SVM-GMM hybrid classifiers. , 2007, , .		4
186	Phonological feature based variable frame rate scheme for improved speech recognition. , 2007, , .		2
187	Speechfind for CDP: Advances in spoken document retrieval for the U. S. collaborative digitization program. , 2007, , .		5
188	UTDrive: Driver Behavior and Speech Interactive Systems for In-Vehicle Environments. Intelligent Vehicles Symposium, 2009 IEEE, 2007, , .	0.0	35
189	Discriminative In-Set/Out-of-Set Speaker Recognition. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 498-508.	3.8	44
190	Environmental Sniffing: Noise Knowledge Estimation for Robust Speech Systems. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 465-477.	3.8	50
191	Dialect/Accent Classification Using Unrestricted Audio. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 453-464.	3.8	35
192	In-Set/Out-of-Set Speaker Recognition Under Sparse Enrollment. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 2044-2052.	3.8	17
193	Unsupervised Discriminative Training With Application to Dialect Classification. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 2444-2453.	3.8	17
194	A study of temporal features and frequency characteristics in American English foreign accent. Journal of the Acoustical Society of America, 1997, 102, 28-40.	0.5	61
195	Language accent classification in American English. Speech Communication, 1996, 18, 353-367.	1.6	108
196	Generating stressed speech from neutral speech using a modified CELP vocoder. Speech Communication, 1996, 20, 93-110.	1.6	18
197	Analysis and compensation of speech under stress and noise for environmental robustness in speech recognition. Speech Communication, 1996, 20, 151-173.	1.6	180
198	ICARUS: Source generator based real-time recognition of speech in noisy stressful and Lombard effect environments â˜†. Speech Communication, 1995, 16, 391-422.	1.6	58

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199	Robust estimation of speech in noisy backgrounds based on aspects of the auditory process. Journal of the Acoustical Society of America, 1995, 97, 3833-3849.	0.5	31
200	Objective speech quality assessment and the RPE–LTP coding algorithm in different noise and language conditions. Journal of the Acoustical Society of America, 1995, 97, 609-627.	0.5	10
201	Nonlinear analysis and classification of speech under stressed conditions. Journal of the Acoustical Society of America, 1994, 96, 3392-3400.	0.5	105
202	Analysis and compensation of stressed and noisy speech with application to robust automatic recognition. Signal Processing, 1989, 17, 282.	2.1	34
203	Automatic Maneuver Boundary Detection System for Naturalistic Driving Massive Corpora. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 0, 7, 149-156.	0.3	3
204	Robustness in Speech, Speaker, and Language Recognition: "You've Got to Know Your Limitations". , 0, , .		2
205	A Speaker Diarization System for Studying Peer-Led Team Learning Groups. , 0, , .		10
206	Generalized Discriminant Analysis (GDA) for Improved i-Vector Based Speaker Recognition. , 0, , .		8
207	Curriculum Learning Based Probabilistic Linear Discriminant Analysis for Noise Robust Speaker Recognition. , 0, , .		5
208	UTD-CRSS Systems for 2016 NIST Speaker Recognition Evaluation. , 0, , .		6
209	Compensation for Domain Mismatch in Text-independent Speaker Recognition. , 0, , .		15
210	Probabilistic Permutation Invariant Training for Speech Separation. , 0, , .		10
211	Assessing Child Communication Engagement via Speech Recognition in Naturalistic Active Learning Spaces. , 0, , .		6
212	Score distribution scaling for speaker recognition. , 0, , .		1
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