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	Speaker Recognition by Machines and Humans: A tutorial review. IEEE Signal Processing Magazine, 2015, 32, 74-99.	4.6	420
2	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
3	Unsupervised Speech Activity Detection Using Voicing Measures and Perceptual Spectral Flux. IEEE Signal Processing Letters, 2013, 20, 197-200.	2.1	199
4	Analysis and compensation of speech under stress and noise for environmental robustness in speech recognition. Speech Communication, 1996, 20, 151-173.	1.6	180
5	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
6	A new perceptually motivated MVDR-based acoustic front-end (PMVDR) for robust automatic speech recognition. Speech Communication, 2008, 50, 142-152.	1.6	119
7	Language accent classification in American English. Speech Communication, 1996, 18, 353-367.	1.6	108
8	Nonlinear analysis and classification of speech under stressed conditions. Journal of the Acoustical Society of America, 1994, 96, 3392-3400.	0.5	105
9	Duration mismatch compensation for i-vector based speaker recognition systems. , 2013, , .		85
10	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
11	Driver behavior analysis and route recognition by Hidden Markov Models. , 2008, , .		82
12	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
13	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
14	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
15	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
16	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
17	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
18	Speaker Identification Within Whispered Speech Audio Streams. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1408-1421.	3.8	61

#	Article	IF	Citations
19	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
20	Babble Noise: Modeling, Analysis, and Applications. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1394-1407.	3.8	55
21	Hilbert envelope based features for robust speaker identification under reverberant mismatched conditions. , 2011, , .		52
22	Mean Hilbert envelope coefficients (MHEC) for robust speaker and language identification. Speech Communication, 2015, 72, 138-148.	1.6	52
23	Environmental Sniffing: Noise Knowledge Estimation for Robust Speech Systems. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 465-477.	3.8	50
24	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
25	UTD-CRSS Systems for 2018 NIST Speaker Recognition Evaluation. , 2019, , .		46
26	Discriminative In-Set/Out-of-Set Speaker Recognition. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 498-508.	3.8	44
27	Leveraging sensor information from portable devices towards automatic driving maneuver recognition. , 2012, , .		44
28	Conversational In-Vehicle Dialog Systems: The past, present, and future. IEEE Signal Processing Magazine, 2016, 33, 49-60.	4.6	42
29	Analysis and detection of cognitive load and frustration in drivers' speech. , 0, , .		42
30	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
31	Information fusion for robust â€˜context and driver awareâ€™ active vehicle safety systems. Information Fusion, 2011, 12, 293-303.	11.7	36
32	CRSS systems for 2012 NIST Speaker Recognition Evaluation. , 2013, , .		36
33	UTDrive: Driver Behavior and Speech Interactive Systems for In-Vehicle Environments. Intelligent Vehicles Symposium, 2009 IEEE, 2007, , .	0.0	35
34	Dialect/Accent Classification Using Unrestricted Audio. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 453-464.	3.8	35
35	Feature compensation in the cepstral domain employing model combination. Speech Communication, 2009, 51, 83-96.	1.6	35
36	Analysis and compensation of stressed and noisy speech with application to robust automatic recognition. Signal Processing, 1989, 17, 282.	2.1	34

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37	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
38	Sentiment extraction from natural audio streams. , 2013, , .		33
39	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
40	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
41	An investigation on back-end for speaker recognition in multi-session enrollment. , 2013, , .		31
42	Teagerâ€"Kaiser Energy Operators for Overlapped Speech Detection. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1035-1047.	4.0	28
43	Language/Dialect Recognition Based on Unsupervised Deep Learning. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 873-882.	4.0	28
44	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
45	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
46	Sensor Fusion of Camera and Cloud Digital Twin Information for Intelligent Vehicles. , 2020, , .		27
47	Deep Spoken Keyword Spotting: An Overview. IEEE Access, 2022, 10, 4169-4199.	2.6	27
48	Speaker identification with whispered speech based on modified LFCC parameters and feature mapping. , 2009, , .		26
49	Vision-Cloud Data Fusion for ADAS: A Lane Change Prediction Case Study. IEEE Transactions on Intelligent Vehicles, 2022, 7, 210-220.	9.4	26
50	Unsupervised accent classification for deep data fusion of accent and language information. Speech Communication, 2016, 78, 19-33.	1.6	25
51	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
52	Robust Emotional Stressed Speech Detection Using Weighted Frequency Subbands. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	22
53	i-Vector/PLDA speaker recognition using support vectors with discriminant analysis. , 2017, , .		22
54	Convolutional Neural Network-Based Speech Enhancement for Cochlear Implant Recipients. , 2019, 2019, 4265-4269.		22

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55	UT-Scope: Speech under Lombard Effect and Cognitive Stress. , 2007, , .		21
56	Automatic Sentiment Detection in Naturalistic Audio. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1668-1679.	4.0	21
57	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
58	UT-Vocal Effort II: Analysis and constrained-lexicon recognition of whispered speech. , 2014, , .		20
59	Spoken language mismatch in speaker verification: An investigation with NIST-SRE and CRSS Bi-Ling corpora. , 2014, , .		20
60	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
61	Generating stressed speech from neutral speech using a modified CELP vocoder. Speech Communication, 1996, 20, 93-110.	1.6	18
62	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
63	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
64	Multi-domain adversarial training of neural network acoustic models for distant speech recognition. Speech Communication, 2019, 106, 21-30.	1.6	18
65	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
66	Unsupervised Discriminative Training With Application to Dialect Classification. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 2444-2453.	3.8	17
67	Prof-Life-Log: Personal interaction analysis for naturalistic audio streams. , 2013, , .		17
68	Physical task stress and speaker variability in voice quality. Eurasip Journal on Audio, Speech, and Music Processing, 2015, 2015, .	1.3	17
69	Robust unsupervised detection of human screams in noisy acoustic environments. , 2015, , .		17
70	Unsupervised driving performance assessment using free-positioned smartphones in vehicles. , 2016, , .		17
71	Robust Harmonic Features for Classification-Based Pitch Estimation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 952-964.	4.0	17
72	Speech enhancement for cochlear implant recipients. Journal of the Acoustical Society of America, 2018, 143, 2244-2254.	0.5	17

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73	Risky Action Recognition in Lane Change Video Clips using Deep Spatiotemporal Networks with Segmentation Mask Transfer. , 2019, , .		17
74	Robust feature front-end for speaker identification. , 2012, , .		16
75	Automatic sentiment extraction from YouTube videos. , 2013, , .		16
76	Automatic analysis of dialect/language sets. International Journal of Speech Technology, 2015, 18, 277-286.	1.4	16
77	Robust overlapped speech detection and its application in word-count estimation for Prof-Life-Log data. , 2015, , .		16
78	CCi-MOBILE: Design and Evaluation of a Cochlear Implant and Hearing Aid Research Platform for Speech Scientists and Engineers. , 2019, 2019, .		16
79	Singing speaker clustering based on subspace learning in the GMM mean supervector space. Speech Communication, 2013, 55, 653-666.	1.6	15
80	Generative modeling of pseudo-target domain adaptation samples for whispered speech recognition. , 2015, , .		15
81	Navigation-orientated natural spoken language understanding for intelligent vehicle dialogue. , 2017, , .		15
82	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
83	Compensation for Domain Mismatch in Text-independent Speaker Recognition. , 0, , .		15
84	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
85	UT-Scope: Towards LVCSR under Lombard effect induced by varying types and levels of noisy background. , 2011, , .		14
86	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
87	Overlapped-speech detection with applications to driver assessment for in-vehicle active safety systems. , 2013, , .		14
88	Joint information from nonlinear and linear features for spoofing detection: An i-vector/DNN based approach. , 2016, , .		14
89	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
90	Acoustic analysis for speaker identification of whispered speech. , 2010, , .		13

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91	Supervector pre-processing for PRSVM-based Chinese and Arabic dialect identification. , 2013, , .		13
92	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
93	Trends in Speech and Language Processing [In the Spotlight]. IEEE Signal Processing Magazine, 2012, 29, 177-179.	4.6	12
94	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
95	Dialect distance assessment method based on comparison of pitch pattern statistical models. , 2010, , .		11
96	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
97	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
98	A Hybrid Coherence Model for Noise Reduction in Reverberant Environments. IEEE Signal Processing Letters, 2015, 22, 279-282.	2.1	11
99	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
100	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
101	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
102	Automatic audio sentiment extraction using keyword spotting. , 0, , .		11
103	Objective speech quality assessment and the RPEâ€ŁTP coding algorithm in different noise and language conditions. Journal of the Acoustical Society of America, 1995, 97, 609-627.	0.5	10
104	Keyword recognition with phone confusion networks and phonological features based keyword threshold detection. , 2010, , .		10
105	A novel feature sub-sampling method for efficient universal background model training in speaker verification. , 2010, , .		10
106	Blind reverberation mitigation for robust speaker identification. , 2012, , .		10
107	A fast speaker verification with universal background support data selection. , 2012, , .		10
108	Threshold based decision-tree for automatic driving maneuver recognition using CAN-Bus signal. , 2014, , .		10

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109	Modelling and compensation for language mismatch in speaker verification. Speech Communication, 2018, 96, 58-66.	1.6	10
110	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
111	A Speaker Diarization System for Studying Peer-Led Team Learning Groups. , 0, , .		10
112	Probabilistic Permutation Invariant Training for Speech Separation. , 0, , .		10
113	SkipConvNet: Skip Convolutional Neural Network for Speech Dereverberation Using Optimally Smoothed Spectral Mapping. , 0, , .		10
114	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
115	Automatic language analysis and identification based on speech production knowledge. , 2010, , .		9
116	Angry emotion detection from real-life conversational speech by leveraging content structure. , 2010, , .		9
117	TEO-based speaker stress assessment using hybrid classification and tracking schemes. International Journal of Speech Technology, 2012, 15, 295-311.	1.4	9
118	Automatic analysis of Mandarin accented English using phonological features. Speech Communication, 2012, 54, 40-54.	1.6	9
119	Prof-Life-Log: Analysis and classification of activities in daily audio streams. , 2015, , .		9
120	In-vehicle speech recognition and tutorial keywords spotting for novice drivers' performance evaluation. , 2015, , .		9
121	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
122	Transfer Learning Using Raw Waveform Sincnet for Robust Speaker Diarization. , 2019, , .		9
123	An investigation of domain adaptation in speaker embedding space for speaker recognition. Speech Communication, 2021, 129, 7-16.	1.6	9
124	ProfLifeLog: Environmental analysis and keyword recognition for naturalistic daily audio streams. , 2012, , .		8
125	Automatic Accent Assessment Using Phonetic Mismatch and Human Perception. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1818-1829.	3.8	8
126	Robust front-end processing for speaker identification over extremely degraded communication channels. , 2013, , .		8

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127	Employing speech and location information for automatic assessment of child language environments. , 2016, , .		8
128	Using speech technology for quantifying behavioral characteristics in peer-led team learning sessions. Computer Speech and Language, 2017, 46, 343-366.	2.9	8
129	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
130	Nonlinear waveform distortion: Assessment and detection of clipping on speech data and systems. Speech Communication, 2021, 134, 20-31.	1.6	8
131	Generalized Discriminant Analysis (GDA) for Improved i-Vector Based Speaker Recognition. , 0, , .		8
132	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
133	Language identification for singing. , 2011, , .		7
134	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
135	Car noise verification and applications. International Journal of Speech Technology, 2014, 17, 167-181.	1.4	7
136	Weighted training for speech under Lombard Effect for speaker recognition. , 2015, , .		7
137	Microphone Array Processing Strategies for Distant-Based Automatic Speech Recognition. IEEE Signal Processing Letters, 2016, 23, 1344-1348.	2.1	7
138	UTD-CRSS system for the NIST 2015 language recognition i-vector machine learning challenge. , 2016, , .		7
139	Formant priority channel selection for an â€œn-of-mâ€•sound processing strategy for cochlear implants. Journal of the Acoustical Society of America, 2018, 144, 3371-3380.	0.5	7
140	Frame-Based Overlapping Speech Detection Using Convolutional Neural Networks. , 2020, , .		7
141	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
142	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
143	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
144	Towards Multimodal Driverâ€™s Stress Detection. , 2012, , 3-19.		7

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145	Assessing Speaker Engagement in 2-Person Debates: Overlap Detection in United States Presidential Debates. , 0, , .		7
146	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
147	An efficient microphone array based voice activity detector for driver's speech in noise and music rich in-vehicle environments. , 2010, , .		6
148	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
149	Effective word count estimation for long duration daily naturalistic audio recordings. Speech Communication, 2016, 84, 15-23.	1.6	6
150	Intent detection and semantic parsing for navigation dialogue language processing. , 2017, , .		6
151	Speech Activity Detection in Naturalistic Audio Environments: Fearless Steps Apollo Corpus. IEEE Signal Processing Letters, 2018, 25, 1290-1294.	2.1	6
152	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
153	Speech Under Stress and Lombard Effect: Impact and Solutions for Forensic Speaker Recognition. , 2012, , 103-123.		6
154	UTD-CRSS Systems for 2016 NIST Speaker Recognition Evaluation. , 0, , .		6
155	Assessing Child Communication Engagement via Speech Recognition in Naturalistic Active Learning Spaces. , 0, , .		6
156	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
157	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
158	Speechfind for CDP: Advances in spoken document retrieval for the U. S. collaborative digitization program. , 2007, , .		5
159	Factor analysis-based information integration for Arabic dialect identification. , 2009, , .		5
160	Improved parcel sorting by combining automatic speech and character recognition. , 2012, , .		5
161	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
162	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

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163	Score-Aging Calibration for Speaker Verification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 2414-2424.	4.0	5
164	Robust Feature Clustering for Unsupervised Speech Activity Detection. , 2018, , .		5
165	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
166	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
167	Curriculum Learning Based Probabilistic Linear Discriminant Analysis for Noise Robust Speaker Recognition. , 0, , .		5
168	Multi-stream dialect classification using SVM-GMM hybrid classifiers. , 2007, , .		4
169	Limited resource speech recognition for Nigerian English. , 2010, , .		4
170	Phonetic Distance Based Confidence Measure. IEEE Signal Processing Letters, 2010, 17, 121-124.	2.1	4
171	Mismatch modeling and compensation for robust speaker verification. Speech Communication, 2011, 53, 257-268.	1.6	4
172	Feature compensation employing online GMM adaptation for speech recognition in unknown severely adverse environments. , 2012, , .		4
173	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
174	Environment mismatch compensation using average eigenspace-based methods for robust speech recognition. International Journal of Speech Technology, 2014, 17, 353-364.	1.4	4
175	Evaluation and calibration of Lombard effects in speaker verification. , 2016, , .		4
176	A robust diarization system for measuring dominance in Peer-Led Team Learning groups. , 2016, , .		4
177	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
178	UTD-CRSS submission for MGB-3 Arabic dialect identification: Front-end and back-end advancements on broadcast speech. , 2017, , .		4
179	Detection and Calibration of Whisper for Speaker Recognition. , 2018, , .		4
180	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

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181	Effects of Multitasking on Drivability Through CAN-Bus Analysis. , 2014, , 169-182.		4
182	Mask estimation employing Posterior-based Representative Mean for missing-feature speech recognition with time-varying background noise. , 2009, , .		3
183	Language identification using a combined articulatory prosody framework. , 2011, , .		3
184	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
185	Curriculum Learning based approaches for robust end-to-end far-field speech recognition. Speech Communication, 2021, 132, 123-131.	1.6	3
186	Text-Available Speaker Recognition System for Forensic Applications. , 0, , .		3
187	Challenges in real-time-embedded IoT Command Recognition. , 2021, , .		3
188	Scenario Aware Speech Recognition: Advancements for Apollo Fearless Steps & CHiME-4 Corpora. , 2021, , .		3
189	Phonological feature based variable frame rate scheme for improved speech recognition. , 2007, , .		2
190	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
191	Assessment of speech dialog systems using multi-modal cognitive load analysis and driving performance metrics. , 2009, , .		2
192	Speech under physical stress: A production-based framework. , 2010, , .		2
193	Broad phoneme class based speech enhancement using mixture maximum model. , 2010, , .		2
194	Phoneme selective speech enhancement using the generalized parametric spectral subtraction estimator. , 2011, , .		2
195	Effective background data selection in SVM speaker recognition for unseen test environment: More is not always better. , 2011, , .		2
196	Environment dependent noise tracking for speech enhancement. International Journal of Speech Technology, 2013, 16, 303-312.	1.4	2
197	Advanced parallel combined Gaussian mixture model based feature compensation integrated with iterative channel estimation. Speech Communication, 2015, 73, 81-93.	1.6	2
198	Portable Smart-Space Research Interface to Predetermine Environment Acoustics for Cochlear implant and Hearing aid users with CCi-MOBILE. , 2020, 2020, 4221-4224.		2

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199	Robustness in Speech, Speaker, and Language Recognition: â€œYouâ€™ve Got to Know Your Limitationsâ€. , 0, , .		2
200	CAN-Bus Signal Analysis Using Stochastic Methods and Pattern Recognition in Time Series for Active Safety. , 2012, , 283-292.		2
201	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
202	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
203	Enhancing in-vehicle safety via contact sensor for stress detection. , 2009, , .		1
204	Spatial, spectral and temporal adaptation for fast fading MIMO-OFDMA systems. , 2011, , .		1
205	In-set/out-of-set speaker recognition in sustained acoustic scenarios using sparse data. Speech Communication, 2013, 55, 769-781.	1.6	1
206	Frequency offset correction in single sideband speech for speaker verification. , 2014, , .		1
207	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
208	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
209	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
210	Score distribution scaling for speaker recognition. , 0, , .		1
211	Multi-Channel Apollo Mission Speech Transcripts Calibration. , 0, , .		1
212	Speaker Conditioning of Acoustic Models Using Affine Transformation for Multi-Speaker Speech Recognition. , 2021, , .		1
213	Advances in Human-Machine Systems for In-Vehicle Environments. , 2008, , .		0
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