

Speech Communication

ÍNDICE DE AUTORES

2010-2023(154)

Autor	Título	Año	Volumen	Número	Páginas
Abdel-Hamid, Lamiaa	Egyptian Arabic speech emotion recognition using prosodic, spectral and wavelet features	2020	Vol. 122		19-30
Ablimit, Mijit ; Kawahara, Tatsuya ; Hamdulla, Askar	Lexicon optimization based on discriminative learning for automatic speech recognition of agglutinative language	2014	Vol. 60		78-87
Abraham, Basil ; Umesh, S.	An automated technique to generate phone-to-articulatory label mapping	2017	Vol. 86		107-120
Abrol, V. ; Sharma, P. ; Sao, A.K.	Greedy double sparse dictionary learning for sparse representation of speech signals	2016	Vol. 85		71-82
Abrol, Vinayak ; Sharma, Pulkit ; Sao, Anil Kumar	Voiced/nonvoiced detection in compressively sensed speech signals	2015	Vol. 72		194-207
Abutalebi, Hamid Reza ; Rashidinejad, Mehdi	Speech enhancement based on β -order MMSE estimation of Short Time Spectral Amplitude and Laplacian speech modeling	2015	Vol. 67		92-101
Achanta, Sivanand ; Gangashetty, Suryakanth V.	Deep Elman recurrent neural networks for statistical parametric speech synthesis	2017	Vol. 93		31-42
Acosta, Jaime C. ; Ward, Nigel G.	Achieving rapport with turn-by-turn, user-responsive emotional coloring	2011	Vol. 53	Issue 9-10	1137-1148
Adell, Jordi ; Escudero, David ; Bonafonte, Antonio	Production of filled pauses in concatenative speech synthesis based on the underlying fluent sentence	2012	Vol. 54	Issue 3	459-476
Afshan, Amber ; Ghosh, Prasanta Kumar	Improved subject-independent acoustic-to-articulatory inversion	2015	Vol. 66		1-16
Aguiar Pontes, Josafá de Jesus ; Furui, Sadaoki	Predicting the phonetic realizations of word-final consonants in context – A challenge for French grapheme-to-phoneme converters	2010	Vol. 52	Issue 10	847-862
Ahmadi, Sara ; et al.	Human-inspired modulation frequency features for noise-robust ASR	2016	Vol. 84		66-82
Ahmed, Ahmed Isam ; et al.	Speaker recognition using PCA-based feature transformation	2019	Vol. 110		33-46
Akbarzadeh, Sara ; et al.	The effect of speech and noise levels on the quality perceived by cochlear implant and normal hearing listeners	2021	Vol. 132		106-113
Akçay, Mehmet Berkehan ; Kaya, Oguz	Speech emotion recognition: Emotional models, databases, features, preprocessing methods, supporting modalities, and classifiers	2020	Vol. 116		56-76
Akdemir, Eren ; Çiloğlu, Tolga	Bimodal automatic speech segmentation based on audio and visual information fusion	2011	Vol. 53	Issue 6	889-902

Alam, Md. Jahangir ; et al.	Multitaper MFCC and PLP features for speaker verification using i-vectors	2013	Vol. 55	Issue 2	237-251
Alam, Md. Jahangir ; Kenny, Patrick ; O'Shaughnessy, Douglas	Regularized minimum variance distortionless response-based cepstral features for robust continuous speech recognition	2015	Vol. 73		28-46
Aldarmaki, Hanan ; et al.	Unsupervised Automatic Speech Recognition: A review	2022	Vol. 139		76-91
Alex, Ashish ; et al.	Data augmentation for speech separation	2023	Vol. 152		102949
Alghamdi, Najwa ; et al.	The impact of automatic exaggeration of the visual articulatory features of a talker on the intelligibility of spectrally distorted speech.	2017	Vol. 95		127-136
Alhinti, Lubna ; Christensen, Heidi ; Cunningham, Stuart	Acoustic differences in emotional speech of people with dysarthria	2021	Vol. 126		44-60
Alías, Francesc ; Formiga, Lluís ; Llorá, Xavier	Efficient and reliable perceptual weight tuning for unit-selection text-to-speech synthesis based on active interactive genetic algorithms: A proof-of-concept	2011	Vol. 53	Issue 5	786-800
Alku, Paavo ; et al.	OPENGLLOT – An open environment for the evaluation of glottal inverse filtering	2019	Vol. 107		38-47
Alpan, A. ; et al.	Multi-band dysperiodicity analyses of disordered connected speech	2011	Vol. 53	Issue 1	131-141
Alpan, A. ; et al.	Assessment of disordered voice via the first rahmonic	2012	Vol. 54	Issue 5	655-663
Alsulaiman, Mansour ; Mahmood, Awais ; Muhammad, Ghulam	Speaker recognition based on Arabic phonemes	2017	Vol. 86		42-51
Álvarez, Aitor ; et al.	Improving the automatic segmentation of subtitles through conditional random field	2017	Vol. 88		83-95
Alwan, Abeer ; Jiang, Jintao ; Chen, Willa	Perception of place of articulation for plosives and fricatives in noise	2011	Vol. 53	Issue 2	195-209
Alzaidi, Muhammad Swaileh ; Xu, Yi ; Xu, Anqi	Prosodic encoding of focus in Hijazi Arabic	2019	Vol. 106		127-149
Amano-Kusumoto, Akiko ; et al.	Determining the relevance of different aspects of formant contours to intelligibility	2014	Vol. 59		1-9
Ambrazaitis, Gilbert ; House, David	Multimodal prominences: Exploring the patterning and usage of focal pitch accents, head beats and eyebrow beats in Swedish television news readings	2017	Vol. 95		100-113
Amino, Kanae ; Osanai, Takashi	Native vs. non-native accent identification using Japanese spoken telephone numbers	2014	Vol. 56		70-81
Ananthakrishnan, G. ; Engwall, Olov	Mapping between acoustic and articulatory gestures	2011	Vol. 53	Issue 4	567-589
Anders, Franz ; Hlawitschka, Mario ; Fuchs, Mirco	Automatic classification of infant vocalization sequences with convolutional neural networks	2020	Vol. 119		36-45
Andersen, Asger Heidemann ; et al.	Refinement and validation of the binaural short time objective intelligibility measure for spatially diverse conditions	2018	Vol. 102		1-13

Andersson, Sebastian ; Yamagishi, Jun'ichi ; Clark, Robert A.J.	Synthesis and evaluation of conversational characteristics in HMM-based speech synthesis	2012	Vol. 54	Issue 2	175-188
Apsingekar, Vijendra Raj ; De Leon, Phillip L.	Speaker verification score normalization using speaker model clusters	2011	Vol. 53	Issue 1	110-118
Arciuli, Joanne ; Colombo, Lucia	An acoustic investigation of the developmental trajectory of lexical stress contrastivity in Italian	2016	Vol. 80		22-33
Arias-Vergara, T. ; et al..	Speaker models for monitoring Parkinson's disease progression considering different communication channels and acoustic conditions	2018	Vol. 101		11-25
Arias, Juan Pablo ; Becerra Yoma, Nestor ; Vivanco, Hiram	Automatic intonation assessment for computer aided language learning	2010	Vol. 52	Issue 3	254-267
Arsikere, Harish ; et al.	Automatic estimation of the first three subglottal resonances from adults' speech signals with application to speaker height estimation	2013	Vol. 55	Issue 1	51-70
Arts, Floor ; Baškent, Deniz ; Tamati, Terrin N.	Development and structure of the VariaNTS corpus: A spoken Dutch corpus containing talker and linguistic variability	2021	Vol. 127		64-72
Asaei, Afsaneh ; et al.	Computational methods for underdetermined convolutive speech localization and separation via model-based sparse component analysis	2016	Vol. 76		201-217
Asano, Yuki ; Gubian, Michele	"Excuse meeee!!": (Mis)coordination of lexical and paralinguistic prosody in L2 hyperarticulation	2018	Vol. 99		183-200
Aso, Masashi ; et al.	Acoustic model-based subword tokenization and prosodic-context extraction without language knowledge for text-to-speech synthesis	2020	Vol. 125		53-60
Atmaja, Bagus Tris ; Akagi, Masato	Two-stage dimensional emotion recognition by fusing predictions of acoustic and text networks using SVM	2021	Vol. 126		9-21
Atmaja, Bagus Tris ; Sasou, Akira ; Akagi, Masato	Survey on bimodal speech emotion recognition from acoustic and linguistic information fusion	2022	Vol. 140		11-28
Aubanel, Vincent ; et al.	The Fharvard corpus: A phonemically-balanced French sentence resource for audiology and intelligibility research	2020	Vol. 124		68-74
Aubanel, Vincent ; Nguyen, Noël	Automatic recognition of regional phonological variation in conversational interaction	2010	Vol. 52	Issue 6	577-586
Avila, Anderson R. ; O'Shaughnessy, Douglas ; Falk, Tiago H.	Automatic speaker verification from affective speech using Gaussian mixture model based estimation of neutral speech characteristics	2021	Vol. 132		21-31
Ayllón Clemente, Irene ; Heckmann, Martin ; Wrede, Britta	Incremental word learning: Efficient HMM initialization and large margin discriminative adaptation	2012	Vol. 54	Issue 9	1029-1048
Azarang, Arian ; Kehtarnavaz, Nasser	A review of multi-objective deep learning speech denoising methods	2020	Vol. 122		1-10
Baby, Arun ; et al.	Significance of spectral cues in automatic speech segmentation for Indian	2020	Vol. 123		10-25

	language speech synthesizers				
Bach, Jörg-Hendrik ; Anemüller, Jörn ; Kollmeier, Birger	Robust speech detection in real acoustic backgrounds with perceptually motivated features	2011	Vol. 53	Issue 5	690-706
Badiezadegan, Shirin ; Rose, Richard C.	A wavelet-based thresholding approach to reconstructing unreliable spectrogram components	2015	Vol. 67		129-142
Badin, Pierre ; et al.	Can you 'read' tongue movements? Evaluation of the contribution of tongue display to speech understanding	2010	Vol. 52	Issue 6	493-503
Bahmaninezhad, Fahimeh ; Zhang, Chunlei ; Hansen, John H.L.	An investigation of domain adaptation in speaker embedding space for speaker recognition	2021	Vol. 129		7-16
Bai, Zhongxin ; Zhang, Xiao-Lei ; Chen, Jingdong	Cosine metric learning based speaker verification	2020	Vol. 118		10-20
Bailly, Gérard ; et al.	Automatic assessment of oral readings of young pupils	2022	Vol. 138		67-79
Bailly, Gérard ; Raidt, Stephan ; Elisei, Frédéric	Gaze, conversational agents and face-to-face communication	2010	Vol. 52	Issue 6	598-612
Bakhshi, Ali ; Harimi, Ali ; Chalup, Stephan	CyTex: Transforming speech to textured images for speech emotion recognition	2022	Vol. 139		62-75
Bao, Changchun ; et al.	An efficient transcoding algorithm between AMR-NB and G.729ab	2010	Vol. 52	Issue 9	710-724
Bao, Feng ; Abdulla, Waleed H.	A new time-frequency binary mask estimation method based on convex optimization of speech power	2018	Vol. 97		51-65
Bao, Xulei ; Zhu, Jie	An Improved Method for Late-Reverberant Suppression Based on Statistical Model	2013	Vol. 55	Issue 9	932-940
Baradaran Kashani, Hamidreza ; Sayadiyan, Abolghasem ; Sheikhzadeh, Hamid	Vowel detection using a perceptually-enhanced spectrum matching conditioned to phonetic context and speaker identity	2017	Vol. 91		28-48
Barbon, Sylvio ; et al.	Multiple voice disorders in the same individual: Investigating handcrafted features, multi-label classification algorithms, and base-learners	2023	Vol. 152		102952
Barbulescu, Adela ; Ronfard, Rémi ; Bailly, Gérard	Which prosodic features contribute to the recognition of dramatic attitudes?	2017	Vol. 95		78-86
Barnard, Mark ; Wang, Wenwu	Audio head pose estimation using the direct to reverberant speech ratio	2016	Vol. 85		98-108
Barra-Chicote, Roberto ; et al.	Analysis of statistical parametric and unit selection speech synthesis systems applied to emotional speech	2010	Vol. 52	Issue 5	394-404
Barranco-Droege, Rafael	Too fast to be true? Exploring time compression in simultaneous interpreting	2015	Vol. 75		84-96
Barysenka, Siarhei Y. ; Vorobiov, Vasili I. ; Mowlae, Pejman	Single-channel speech enhancement using inter-component phase relations	2018	Vol. 99		144-160
Baum, Doris	Recognising speakers from the topics they talk about	2012	Vol. 54	Issue 10	1132-1142

Bear, Helen L. ; Harvey, Richard	Phoneme-to-viseme mappings: the good, the bad, and the ugly	2017	Vol. 95		40-67
Beechey, Timothy ; Buchholz, Jörg M. ; Keidser, Gitte	Measuring communication difficulty through effortful speech production during conversation	2018	Vol. 100		18-29
Behravan, Hamid ; Hautamäki, Ville ; Kinnunen, Tomi	Factors affecting i-vector based foreign accent recognition: A case study in spoken Finnish	2015	Vol. 66		118-129
Ben Aicha, Anis ; Ben Jebara, Sofia	Perceptual speech quality measures separating speech distortion and additive noise degradations	2012	Vol. 54	Issue 4	517-528
Benesty, Jacob ; Chen, Jingdong ; Huang, Yiteng (Arden)	On widely linear Wiener and tradeoff filters for noise reduction	2010	Vol. 52	Issue 5	427-439
Benisty, Hadas ; et al.	Discriminative Keyword Spotting for limited-data applications	2018	Vol. 99		1-11
Bertin, Nancy ; et al.	VoiceHome-2, an extended corpus for multichannel speech processing in real homes	2019	Vol. 106		68-78
Besacier, Laurent ; et al.	Introduction to the special issue on processing under-resourced languages (Editorial)	2014	Vol. 56		83-84
Besacier, Laurent ; et al.	Automatic speech recognition for under-resourced languages: A survey	2014	Vol. 56		85-100
Beukelman, David R. ; et al.	Perceived attention allocation of listeners who transcribe the speech of speakers with amyotrophic lateral sclerosis	2011	Vol. 53	Issue 6	801-806
Bhat, Suma ; Yoon, Su-youn	Automatic assessment of syntactic complexity for spontaneous speech scoring	2015	Vol. 67		42-57
Bhattacharjee, Mrinmoy ; Prasanna, S.R. Mahadeva ; Guha, Prithwijit	Speech/music classification using phase-based and magnitude-based features	2022	Vol. 142		34-48
Bi, Ran ; Swerts, Marc	A perceptual study of how rapidly and accurately audiovisual cues to utterance-final boundaries can be interpreted in Chinese and English	2017	Vol. 95		68-77
Bie, Fanhu ; et al.	Detection and reconstruction of clipped speech for speaker recognition	2015	Vol. 72		218-231
Bimbot, Frédéric	Carrying the torch. (Editorial)	2018	Vol. 99		A2
Birkholz, Peter ; Drechsel, Susanne	Effects of the piriform fossae, transvelar acoustic coupling, and laryngeal wall vibration on the naturalness of articulatory speech synthesis	2021	Vol. 132		96-105
Birkholz, Peter ; Pape, Daniel	How modeling entrance loss and flow separation in a two-mass model affects the oscillation and synthesis quality	2019	Vol. 110		108-116
Biro, Tifani ; Olmstead, Annie J. ; Viswanathan, Navin	Talker adjustment to perceived communication errors	2022	Vol. 138		13-25
Biro, Tifani ; Toscano, Joseph C. ; Viswanathan, Navin	The influence of task engagement on phonetic convergence	2022	Vol. 138		50-66

Biswas, Sangeeta ; Rohdin, Johan ; Shinoda, Koichi	Autonomous selection of i-vectors for PLDA modelling in speaker verification	2015	Vol. 72		32-46
Bitouk, Dmitri ; Verma, Ragini ; Nenkova, Ani	Class-level spectral features for emotion recognition	2010	Vol. 52	Issue 7-8	613-625
Black, Matthew P. ; et al.	Toward automating a human behavioral coding system for married couples' interactions using speech acoustic features	2013	Vol. 55	Issue 1	1-21
Boersma, Paul ; Chládková, Kateřina	Detecting categorical perception in continuous discrimination data	2013	Vol. 55	Issue 1	33-39
Bolaños, Daniel ; et al.	Automatic assessment of expressive oral reading	2013	Vol. 55	Issue 2	221-236
Bollepalli, Bajibabu ; et al.	Normal-to-Lombard adaptation of speech synthesis using long short-term memory recurrent neural networks	2019	Vol. 110		64-75
Borowicz, Adam ; Petrovsky, Alexandr	Signal subspace approach for psychoacoustically motivated speech enhancement	2011	Vol. 53	Issue 2	210-219
Borsky, Michal ; et al.	Dithering techniques in automatic recognition of speech corrupted by MP3 compression: Analysis, solutions and experiments	2017	Vol. 86		75-84
Boulenger, Véronique ; et al.	Real-time lexical competitions during speech-in-speech comprehension	2010	Vol. 52	Issue 3	246-253
Bousselmi, Souhir ; Ouni, Kaïs	A new time–frequency representation based on the tight framelet packet for telephone-band speech coding	2023	Vol. 152		102954
Bouton, Sophie ; Colé, Pascale ; Serniclaes, Willy	The influence of lexical knowledge on phoneme discrimination in deaf children with cochlear implants	2012	Vol. 54	Issue 2	189-198
Bozkurt, Elif ; et al.	Formant position based weighted spectral features for emotion recognition	2011	Vol. 53	Issue 9-10	1186-1197
Bozkurt, Elif ; Yemez, Yücel ; Erzin, Engin	Multimodal analysis of speech and arm motion for prosody-driven synthesis of beat gestures	2016	Vol. 85		29-42
Bozkurt, Elif ; Yemez, Yücel ; Erzin, Engin	Affective synthesis and animation of arm gestures from speech prosody	2020	Vol. 119		1-11
Bradlow, Ann ; et al.	A perceptual phonetic similarity space for languages: Evidence from five native language listener groups	2010	Vol. 52	Issue 11-12	930-942
Broersma, Mirjam ; Scharenborg, Odette	Native and non-native listeners' perception of English consonants in different types of noise	2010	Vol. 52	Issue 11-12	980-995
Brown, Georgina ; Hellmuth, Sam	Computational modelling of segmental and prosodic levels of analysis for capturing variation across Arabic dialects	2022	Vol. 141		80-92
Bruijn, Marieke J. de ; et al.	Acoustic-phonetic and artificial neural network feature analysis to assess speech quality of stop consonants produced by patients treated for oral or oropharyngeal cancer	2012	Vol. 54	Issue 5	632-640
Brumberg, Jonathan S. ; et al.	Brain–computer interfaces for speech communication	2010	Vol. 52	Issue 4	367-379
Brumberg, Jonathan S. ; Thorson, Jill C. ; Patel,	The Prosodic Marionette: A method to visualize speech prosody and assess	2018	Vol. 104		95-105

Rupal	perceptual and expressive prosodic abilities				
Brusco, Pablo ; et al.	A cross-linguistic analysis of the temporal dynamics of turn-taking cues using machine learning as a descriptive tool	2020	Vol. 125		24-40
Brutti, Alessio ; Matassoni, Marco	On the relationship between Early-to-Late Ratio of Room Impulse Responses and ASR performance in reverberant environments	2016	Vol. 76		170-185
Burchfield, L. Ann ; Antoniou, Mark ; Cutler, Anne	The dependence of accommodation processes on conversational experience	2023	Vol. 153		102963
Burnham, Denis ; et al.	Seeing lexical tone: Head and face motion in production and perception of Cantonese lexical tones	2022	Vol. 141		40-55
Caballero, Jonathan A. ; et al.	The sound of im/politeness	2018	Vol. 102		39-53
Cabañas-Molero, P. ; et al.	Compositional model for speech denoising based on source/filter speech representation and smoothness/sparseness noise constraints	2016	Vol. 78		84-99
Cabbage, Kathryn L. ; Hogan, Tiffany P. ; Carrell, Thomas D.	Speech perception differences in children with dyslexia and persistent speech delay	2016	Vol. 82		14-25
Cai, Meng ; Liu, Jia	Maxout neurons for deep convolutional and LSTM neural networks in speech recognition	2016	Vol. 77		53-64
Cai, Ming-Qi ; Ling, Zhen-Hua ; Dai, Li-Rong	Statistical parametric speech synthesis using a hidden trajectory model	2015	Vol. 72		149-159
Çakmak, Hüseyin ; Dutoit, Thierry	HMM-based generation of laughter facial expression	2018	Vol. 98		28-41
Carignan, Christopher	A network-modeling approach to investigating individual differences in articulatory-to-acoustic relationship strategies	2019	Vol. 108		1-14
Castro Martinez, Angel Mario ; et al.	DNN-based performance measures for predicting error rates in automatic speech recognition and optimizing hearing aid parameters	2019	Vol. 106		44-56
Cerda-Oñate, Karina ; Toledo Vega, Gloria ; Ordin, Mikhail	Speech rhythm convergence in a dyadic reading task	2021	Vol. 131		1-12
Cernak, Miloš ; Asaei, Afsaneh ; Bourlard, Hervé	On structured sparsity of phonological posteriors for linguistic parsing	2016	Vol. 84		36-45
Cerva, Petr ; et al.	Speaker-adaptive speech recognition using speaker diarization for improved transcription of large spoken archives	2013	Vol. 55	Issue 10	1033-1046
Chai, Li ; et al.	Space-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speech	2023	Vol. 153		102958
Chakraborty, Sandipan ; Saha, Goutam	Feature selection using singular value decomposition and QR factorization with column pivoting for text-independent speaker identification	2010	Vol. 52	Issue 9	693-709
Chan, Ricky K. W.	Speaker discrimination: Citation tones vs. coarticulated tones	2020	Vol. 117		38-50

Chao, Yi-Hsiang	Using LR-based discriminant kernel methods with applications to speaker verification	2014	Vol. 57		76-86
Chaouch, Hocine ; Merazka, Fatiha ; Marthon, Philippe	Multiple description coding technique to improve the robustness of ACELP based coders AMR-WB	2019	Vol. 108		33-40
Chappel, Roger ; Paliwal, Kuldip	An educational platform to demonstrate speech processing techniques on Android based smart phones and tablets	2014	Vol. 57		13-38
Chappel, Roger ; Schwerin, Belinda ; Paliwal, Kuldip	Phase distortion resulting in a just noticeable difference in the perceived quality of speech.	2016	Vol. 81		138-147
Charles, Sherman ; Lulich, Steven M.	Case study of Brazilian Portuguese laterals using a novel articulatory-acoustic methodology with 3D/4D ultrasound	2018	Vol. 103		37-48
Chen, Bo ; Xu, Zhihang ; Yu, Kai	Data augmentation based non-parallel voice conversion with frame-level speaker disentangler	2022	Vol. 136		14-22
Chen, Fei ; Hu, Yi	Segmental contributions to cochlear implant speech perception	2019	Vol. 106		79-84
Chen, Fei ; Loizou, Philipos C.	Impact of SNR and gain-function over- and under-estimation on speech intelligibility	2012	Vol. 54	Issue 2	272-281
Chen, Fei ; Tsao, Yu ; Lai, Ying-Hui	Modeling speech intelligibility with recovered envelope from temporal fine structure stimulus.	2016	Vol. 81		120-128
Chen, Fei ; Wong, Lena L.N. ; Hu, Yi	A Hilbert-fine-structure-derived physical metric for predicting the intelligibility of noise-distorted and noise-suppressed speech	2013	Vol. 55	Issue 10	1011-1020
Chen, Fuling ; et al.	Acoustic characterization and machine prediction of perceived masculinity and femininity in adults	2023	Vol. 147		22-40
Chen, Jing ; Huang, Qiang ; Wu, Xihong	Frequency importance function of the speech intelligibility index for Mandarin Chinese	2016	Vol. 83		94-103
Chen, Jitong ; Wang, Yuxuan ; Wang, DeLiang	Noise perturbation for supervised speech separation	2016	Vol. 78		1-10
Chen, Kuan-Yu ; et al.	Exploring the use of unsupervised query modeling techniques for speech recognition and summarization	2016	Vol. 80		49-59
Chen, Nancy F. ; et al.	Large-scale characterization of non-native Mandarin Chinese spoken by speakers of European origin: Analysis on iCALL	2016	Vol. 84		46-56
Chen, Si ; et al.	Statistical modelling of phonetic and phonologised perturbation effects in tonal and non-tonal languages	2017	Vol. 88		17-38
Chen, Si ; et al.	Mechanisms of tone sandhi rule application by tonal and non-tonal non-native speakers	2019	Vol. 115		67-77
Chen, Si ; et al.	The effects of perceptual training on speech production of Mandarin sandhi tones	2022	Vol. 139		10-21

	by tonal and non-tonal speakers				
Chen, Trevor H. ; Massaro, Dominic W.	Evaluation of synthetic and natural Mandarin visual speech: Initial consonants, single vowels, and syllables	2011	Vol. 53	Issue 7	955-972
Chen, Xiaoyi ; et al.	Reverberant speech separation with probabilistic time–frequency masking for B-format recordings	2015	Vol. 68		41-54
Chen, Zhehuai ; Qian, Yanmin ; Yu, Kai	Sequence discriminative training for deep learning based acoustic keyword spotting	2018	Vol. 102		100-111
Cheng, Jian ; Chen, Xin ; Metallinou, Angeliki	Deep neural network acoustic models for spoken assessment applications	2015	Vol. 73		14-27
Cheng, Shi ; et al.	Using iterative adaptation and dynamic mask for child speech extraction under real-world multilingual conditions	2023	Vol. 152		102956
Chennupati, Nivedita ; Kadiri, Sudarsana Reddy ; Yegnanarayana, B.	Significance of phase in single frequency filtering outputs of speech signals	2018	Vol. 97		66-72
Chiea, Rafael Attili ; Costa, Márcio Holsbach ; Barrault, Guillaume	New insights on the optimality of parameterized Wiener filters for speech enhancement applications	2019	Vol. 109		46-54
Chien, Jen-Tzung ; Chueh, Chuang-Hua	Joint acoustic and language modeling for speech recognition	2010	Vol. 52	Issue 3	223-235
Choi, Jae-Hun ; Chang, Joon-Hyuk	On using acoustic environment classification for statistical model-based speech enhancement	2012	Vol. 54	Issue 3	477-490
Chong, Chee Seng ; Kim, Jeesun ; Davis, Chris	Disgust expressive speech: The acoustic consequences of the facial expression of emotion	2018	Vol. 98		68-72
Christiansen, Claus ; Syskind Pedersen, Michael ; Dau, Torsten	Prediction of speech intelligibility based on an auditory preprocessing model	2010	Vol. 52	Issue 7-8	678-692
Chung, Hanwook ; Plourde, Eric ; Champagne, Benoit	Regularized non-negative matrix factorization with Gaussian mixtures and masking model for speech enhancement	2017	Vol. 87		18-30
Chunwijitra, Vataya ; Nose, Takashi ; Kobayashi, Takao	A tone-modeling technique using a quantized F0 context to improve tone correctness in average-voice-based speech synthesis	2012	Vol. 54	Issue 2	245-255
Clapham, Renee ; et al.	Developing automatic articulation, phonation and accent assessment techniques for speakers treated for advanced head and neck cancer	2014	Vol. 59		44-54
Cler, Gabriel J. ; Perkell, Joseph S. ; Stepp, Cara E.	Oral configurations during vowel nasalization in English	2021	Vol. 129		17-24
Cmejla, Roman ; et al.	Bayesian changepoint detection for the automatic assessment of fluency and articulatory disorders	2013	Vol. 55	Issue 1	178-189
Cohen, Ariel ; et al.	A study on data augmentation in voice anti-spoofing	2022	Vol. 141		56-67
Cohn, Michelle ; et al.	Prosodic alignment toward emotionally expressive speech: Comparing human	2021	Vol. 135		66-75

	and Alexa model talkers				
Colletta, Jean-Marc ; Pellenq, Catherine ; Guidetti, Michèle	Age-related changes in co-speech gesture and narrative: Evidence from French children and adults	2010	Vol. 52	Issue 6	565-576
Cooke, Martin ; et al.	Language-independent processing in speech perception: Identification of English intervocalic consonants by speakers of eight European languages	2010	Vol. 52	Issue 11-12	954-967
Cooke, Martin ; et al.	Evaluating the intelligibility benefit of speech modifications in known noise conditions	2013	Vol. 55	Issue 4	572-585
Corrales-Astorgano, Mario ; Escudero-Mancebo, David ; González-Ferreras, César	Acoustic characterization and perceptual analysis of the relative importance of prosody in speech of people with Down syndrome	2018	Vol. 99		90-100
Cravotta, Alice ; Prieto, Pilar ; Busà, M. Grazia	Exploring the effects of restraining the use of gestures on narrative speech	2021	Vol. 135		25-36
Cucu, Horia ; et al.	SMT-based ASR domain adaptation methods for under-resourced languages: Application to Romanian	2014	Vol. 56		195-212
Cui, Zihao ; Bao, Changchun	Analysis-by-synthesis based training target extraction of the DNN for noise masking	2022	Vol. 144		26-41
Cummins, Nicholas ; et al.	A review of depression and suicide risk assessment using speech analysis	2015	Vol. 71		10-49
Cummins, Nicholas ; et al.	Analysis of acoustic space variability in speech affected by depression	2015	Vol. 75		27-49
Cutler, Anne ; Cooke, Martin ; Garcia Lecumberri, M. Luisa	Preface. (Special Issue: Non-native Speech Perception in Adverse Conditions)	2010	Vol. 52	Issue 11-12	863-863
Cvejic, Erin ; Kim, Jeeseun ; Davis, Chris	Prosody off the top of the head: Prosodic contrasts can be discriminated by head motion	2010	Vol. 52	Issue 6	555-564
Cvijanović, Nemanja ; et al.	Effects of noise on arousal in a speech communication setting	2017	Vol. 88		127-136
Czap, László ; Pintér, Judit Mária ; Baksa-Varga, Erika	Features and results of a speech improvement experiment on hard of hearing children	2019	Vol. 106		7-20
D’Haro, Luis Fernando ; et al.	Design and evaluation of acceleration strategies for speeding up the development of dialog applications	2011	Vol. 53	Issue 8	1002-1025
Dadvar, Paria ; Geravanchizadeh, Masoud	Robust binaural speech separation in adverse conditions based on deep neural network with modified spatial features and training target	2019	Vol. 108		41-52
Dai, Peng ; Soon, Ing Yann	A temporal warped 2D psychoacoustic modeling for robust speech recognition system	2011	Vol. 53	Issue 2	229-241
Dai, Peng ; Soon, Ing Yann	A temporal frequency warped (TFW) 2D psychoacoustic filter for robust speech recognition system	2012	Vol. 54	Issue 3	402-413
Dai, Peng ; Soon, Ing Yann	An improved model of masking effects for robust speech recognition system	2013	Vol. 55	Issue 3	387-396

Dam, Hai Huyen ; Rimantho, Dedi ; Nordholm, Sven	Second-order blind signal separation with optimal step size	2013	Vol. 55	Issue 4	535-543
Dang, Feng ; et al.	First coarse, fine afterward: A lightweight two-stage complex approach for monaural speech enhancement	2023	Vol. 146		32-44
Daqrouq, K. ; Al Azzawi, K.Y.	Arabic vowels recognition based on wavelet average framing linear prediction coding and neural network	2013	Vol. 55	Issue 5	641-652
Davidson, Lisa	Characteristics of stop releases in American English spontaneous speech	2011	Vol. 53	Issue 8	1042-1058
De Armas, Winston ; Mamun, Khondaker A. ; Chau, Tom	Vocal frequency estimation and voicing state prediction with surface EMG pattern recognition	2014	Vol. 63-64		15-26
de Lima, Amaro A. ; et al.	On the quality-assessment of reverberated speech	2012	Vol. 54	Issue 3	393-401
De Vries, Nic J. ; et al.	A smartphone-based ASR data collection tool for under-resourced languages	2014	Vol. 56		119-131
Deb, Suman ; Dandapat, S.	Fourier model based features for analysis and classification of out-of-breath speech	2017	Vol. 90		1-14
Degottex, Gilles ; et al.	Mixed source model and its adapted vocal tract filter estimate for voice transformation and synthesis	2013	Vol. 55	Issue 2	278-294
Denby, B. ; et al.	Silent speech interfaces	2010	Vol. 52	Issue 4	270-287
Denby, Bruce ; Schultz, Tanja ; Honda, Kiyoshi	Guest Editorial	2010	Vol. 52	Issue 4	269-269
Deng, Feng ; Bao, Changchun	Speech enhancement based on AR model parameters estimation	2016	Vol. 79		30-46
Deng, Feng ; Bao, Feng ; Bao, Chang-chun	Speech enhancement using generalized weighted β -order spectral amplitude estimator	2014	Vol. 59		55-68
Deng, Shuhao ; Bao, Changchun	Phase unwrapping based packet loss concealment using deep neural networks	2022	Vol. 138		88-97
Deng, Yu-Chih ; et al.	Toward enriched decoding of mandarin spontaneous speech	2023	Vol. 154		102983
Deoras, Anoop ; et al.	Approximate inference: A sampling based modeling technique to capture complex dependencies in a language model	2013	Vol. 55	Issue 1	162-177
Despotovic, Vladimir ; Walter, Oliver ; Haeb-Umbach, Reinhold	Machine learning techniques for semantic analysis of dysarthric speech: An experimental study	2018	Vol. 99		242-251
Detey, Sylvain ; et al.	Computer-assisted assessment of phonetic fluency in a second language: a longitudinal study of Japanese learners of French	2020	Vol. 125		69-79
Dey, Spandan ; Saha, Goutam	Addressing the semi-open set dialect recognition problem under resource-efficient considerations	2023	Vol. 152		102957
Dey, Subhadeep ; et al.	Template-matching for text-dependent speaker verification	2017	Vol. 88		96-105

Di Benedetto, Maria Gabriella ; De Nardis, Luca	Consonant gemination in Italian: The nasal and liquid case	2021	Vol. 133		62-80
Di Benedetto, Maria Gabriella ; De Nardis, Luca	Consonant gemination in Italian: The affricate and fricative case	2021	Vol. 134		86-108
Dias, James W. ; Vazquez, Theresa C. ; Rosenblum, Lawrence D.	Perceptual learning of phonetic convergence	2021	Vol. 133		1-8
Dietz, Mathias ; Ewert, Stephan D. ; Hohmann, Volker	Auditory model based direction estimation of concurrent speakers from binaural signals	2011	Vol. 53	Issue 5	592-605
Dighe, Pranay ; Asaei, Afsaneh ; Bourlard, Hervé	Sparse modeling of neural network posterior probabilities for exemplar-based speech recognition	2016	Vol. 76		230-244
Dighe, Pranay ; Asaei, Afsaneh ; Bourlard, Hervé	Low-rank and sparse subspace modeling of speech for DNN based acoustic modeling	2019	Vol. 109		34-45
Dighe, Pranay ; Asaei, Afsaneh ; Bourlard, Hervé	On quantifying the quality of acoustic models in hybrid DNN-HMM ASR	2020	Vol. 119		24-35
Dikici, Erinç ; Saraçlar, Murat	Semi-supervised and unsupervised discriminative language model training for automatic speech recognition	2016	Vol. 83		54-63
Dileep, A.D. ; Sekhar, C. Chandra	Class-specific GMM based intermediate matching kernel for classification of varying length patterns of long duration speech using support vector machines	2014	Vol. 57		126-143
Ding, Huijun ; et al.	Objective measures for quality assessment of noise-suppressed speech	2015	Vol. 71		62-73
Ding, Shaojin ; et al.	Golden speaker builder – An interactive tool for pronunciation training	2019	Vol. 115		51-66
Djamah, Mouloud ; O’Shaughnessy, Douglas	Fine granularity scalable speech coding using embedded tree-structured vector quantization	2012	Vol. 54	Issue 1	23-39
Djendi, Mohamed ; Scalart, Pascal ; Gilloire, André	Analysis of two-sensors forward BSS structure with post-filters in the presence of coherent and incoherent noise	2013	Vol. 55	Issue 10	975-987
Do, Cong-Thanh ; Pastor, Dominique ; Goalic, André	A novel framework for noise robust ASR using cochlear implant-like spectrally reduced speech	2012	Vol. 54	Issue 1	119-133
Dohen, Marion ; Schwartz, Jean-Luc ; Bailly, Gérard	Speech and face-to-face communication – An introduction	2010	Vol. 52	Issue 6	477-480
Dommelen, Wim A. van ; Hazan, Valerie	Perception of English consonants in noise by native and Norwegian listeners	2010	Vol. 52	Issue 11-12	968-979
Dromey, Christopher ; Jang, Gwi-Ok ; Hollis, Kristi	Assessing correlations between lingual movements and formants	2013	Vol. 55	Issue 2	315-328
Drozdova, Polina ; et al.	The effect of intermittent noise on lexically-guided perceptual learning in native and non-native listening	2021	Vol. 126		61-70
Drugman, Thomas ; Bozkurt, Barış ; Dutoit, Thierry	Causal–anticausal decomposition of speech using complex cepstrum for glottal source estimation	2011	Vol. 53	Issue 6	855-866

Du, Hongqiang ; et al.	Factorized WaveNet for voice conversion with limited data	2021	Vol. 130		45-54
Dubey, Akhilesh Kumar ; Prasanna, S. R. Mahadeva ; Dandapat, S.	Sinusoidal model-based hypernasality detection in cleft palate speech using CVCV sequence	2020	Vol. 124		1-12
Dufour, Richard ; Estève, Yannick ; Deléglise, Paul	Characterizing and detecting spontaneous speech: Application to speaker role recognition	2014	Vol. 56		1-18
Eg, Ragnhild ; Behne, Dawn M. ; Griwodz, Carsten	Audiovisual temporal integration in reverberant environments	2015	Vol. 66		91-106
Ekpenyong, Moses ; et al.	Statistical parametric speech synthesis for Ibibio	2014	Vol. 56		243-251
Ekpenyong, Moses ; Inyang, Udoinyang ; Udoh, EmemObong	Unsupervised visualization of Under-resourced speech prosody	2018	Vol. 101		45-56
El Ayadi, Moataz ; et al.	Text-independent speaker identification using robust statistics estimation	2017	Vol. 92		52-63
Elie, Benjamin ; Laprie, Yves	Extension of the single-matrix formulation of the vocal tract: Consideration of bilateral channels and connection of self-oscillating models of the vocal folds with a glottal chink	2016	Vol. 82		85-96
Elie, Benjamin ; Lee, David N. ; Turk, Alice	Modeling trajectories of human speech articulators using general Tau theory	2023	Vol. 151		24-38
Ellinas, Nikolaos ; et al.	Controllable speech synthesis by learning discrete phoneme-level prosodic representations	2023	Vol. 146		22-31
Elvira-García, Wendy ; et al.	ProDis: A dialectometric tool for acoustic prosodic data	2018	Vol. 97		9-18
Engelbrecht, Klaus-Peter ; Möller, Sebastian	Sequential classifiers for the prediction of user judgments about spoken dialog systems	2010	Vol. 52	Issue 10	816-833
Enzinger, Ewald ; Morrison, Geoffrey Stewart	Mismatched distances from speakers to telephone in a forensic-voice-comparison case	2015	Vol. 70		28-41
Erath, Byron D. ; et al.	A review of lumped-element models of voiced speech	2013	Vol. 55	Issue 5	667-690
Escudero, David ; et al.	Analysis of inter-transcriber consistency in the Cat_ToBI prosodic labeling system	2012	Vol. 54	Issue 4	566-582
Eshky, Aciel ; et al.	Automatic audiovisual synchronisation for ultrasound tongue imaging	2021	Vol. 132		83-95
Eskimez, Sefik Emre ; et al.	Front-end speech enhancement for commercial speaker verification systems	2018	Vol. 99		101-113
Esquivel Jaramillo, Alfredo ; Nielsen, Jesper Kjær ; Christensen, Mads Græsbøll	An adaptive autoregressive pre-whitener for speech and acoustic signals based on parametric NMF	2023	Vol. 151		9-23
Esteve-Gibert, Núria ; Prieto, Pilar	Infants temporally coordinate gesture-speech combinations before they produce their first words	2014	Vol. 57		301-316
Etz, Tanja ; et al.	Infant cry reliability: Acoustic homogeneity of spontaneous cries and pain-induced cries	2014	Vol. 58		91-100

Ezzatian, Payam ; Avivi, Meital ; Schneider, Bruce A.	Do nonnative listeners benefit as much as native listeners from spatial cues that release speech from masking?	2010	Vol. 52	Issue 11-12	919-929
Fabre, Diandra ; et al.	Automatic animation of an articulatory tongue model from ultrasound images of the vocal tract	2017	Vol. 93		63-75
Falk, Tiago H. ; Chan, Wai-Yip ; Shein, Fraser	Characterization of atypical vocal source excitation, temporal dynamics and prosody for objective measurement of dysarthric word intelligibility	2012	Vol. 54	Issue 5	622-631
Fan, Xing ; Hansen, John H.L.	Acoustic analysis and feature transformation from neutral to whisper for speaker identification within whispered speech audio streams	2013	Vol. 55	Issue 1	119-134
Farsaie Alaie, Hesam ; Abou-Abbas, Lina ; Tadj, Chakib	Cry-based infant pathology classification using GMMs	2016	Vol. 77		28-52
Fatima, Syeda Narjis ; Erzin, Engin	Use of affect context in dyadic interactions for continuous emotion recognition	2021	Vol. 132		70-82
Feld, Julia ; Sommers, Mitchell	There goes the neighborhood: Lipreading and the structure of the mental lexicon	2011	Vol. 53	Issue 2	220-228
Feng, Yongqiang ; et al.	Detecting anticipatory effects in speech articulation by means of spectral coefficient analyses	2011	Vol. 53	Issue 6	842-854
Fenwick, Sarah E. ; et al.	The influence of auditory-visual speech and clear speech on cross-language perceptual assimilation	2017	Vol. 92		114-124
Fernández-Baena, Adso ; et al.	Gesture synthesis adapted to speech emphasis	2014	Vol. 57		331-350
Fernandez, Raul ; Picard, Rosalind	Recognizing affect from speech prosody using hierarchical graphical models	2011	Vol. 53	Issue 9-10	1088-1103
Ferré, Gaëlle	A multimodal approach to markedness in spoken French	2014	Vol. 57		268-282
Ferrer, Luciana ; et al.	Classification of lexical stress using spectral and prosodic features for computer-assisted language learning systems	2015	Vol. 69		31-45
Fersini, E. ; Messina, E. ; Archetti, F.	Emotional states in judicial courtrooms: An experimental investigation	2012	Vol. 54	Issue 1	11-22
Filipe, Marisa G. ; et al.	Affective prosody in European Portuguese: Perceptual and acoustic characterization of one-word utterances	2015	Vol. 67		58-64
Filntisis, Panagiotis Paraskevas ; et al.	Video-realistic expressive audio-visual speech synthesis for the Greek language	2017	Vol. 95		137-152
Fitzpatrick, Michael ; Kim, Jeeseun ; Davis, Chris	The effect of seeing the interlocutor on auditory and visual speech production in noise	2015	Vol. 74		37-51
Flecha-García, María L.	Eyebrow raises in dialogue and their relation to discourse structure, utterance function and pitch accents in English	2010	Vol. 52	Issue 6	542-554
Flynn, Ronan ; Jones, Edward	Feature selection for reduced-bandwidth distributed speech recognition	2012	Vol. 54	Issue 6	836-843
Flynn, Ronan ; Jones, Edward	Reducing bandwidth for robust distributed speech recognition in conditions of packet loss	2012	Vol. 54	Issue 7	881-892

Forbes-Riley, Kate ; Litman, Diane	Benefits and challenges of real-time uncertainty detection and adaptation in a spoken dialogue computer tutor	2011	Vol. 53	Issue 9-10	1115-1136
Fort, Mathilde ; et al.	The word superiority effect in audiovisual speech perception	2010	Vol. 52	Issue 6	525-532
Franco-Pedroso, Javier ; Gonzalez-Rodriguez, Joaquin	Linguistically-constrained formant-based i-vectors for automatic speaker recognition	2016	Vol. 76		61-81
Fu, Changzeng ; et al.	An improved CycleGAN-based emotional voice conversion model by augmenting temporal dependency with a transformer	2022	Vol. 144		110-121
Fujimoto, Masakiyo ; Watanabe, Shinji ; Nakatani, Tomohiro	Frame-wise model re-estimation method based on Gaussian pruning with weight normalization for noise robust voice activity detection	2012	Vol. 54	Issue 2	229-244
Fukuda, Takashi ; Ichikawa, Osamu ; Nishimura, Masafumi	Detecting breathing sounds in realistic Japanese telephone conversations and its application to automatic speech recognition	2018	Vol. 98		95-103
Gałka, Jakub ; Grzywacz, Marcin ; Samborski, Rafał	Playback attack detection for text-dependent speaker verification over telephone channels	2015	Vol. 67		143-153
Gálvez, Ramiro H. ; et al.	An empirical study of the effect of acoustic-prosodic entrainment on the perceived trustworthiness of conversational avatars	2020	Vol. 124		46-67
Ganji, Sreeram ; Dhawan, Kunal ; Sinha, Rohit	IITG-HingCoS corpus: A Hinglish code-switching database for automatic speech recognition	2019	Vol. 110		76-89
Gao, Heting ; et al.	Seamless equal accuracy ratio for inclusive CTC speech recognition	2022	Vol. 136		76-83
Gao, Jie ; Zhao, Qingwei ; Yan, Yong-Hong	Towards precise and robust automatic synchronization of live speech and its transcripts	2011	Vol. 53	Issue 4	508-523
Gao, Tian ; et al.	A unified DNN approach to speaker-dependent simultaneous speech enhancement and speech separation in low SNR environments	2017	Vol. 95		28-39
García Lecumberri, Maria Luisa ; Cooke, Martin ; Cutler, Anne	Non-native speech perception in adverse conditions: A review	2010	Vol. 52	Issue 11-12	864-886
Garcia, Jose Enrique ; et al.	Low bit rate compression methods of feature vectors for distributed speech recognition	2014	Vol. 58		111-123
Garg, Saurabh ; et al.	Computer-vision analysis reveals facial movements made during Mandarin tone production align with pitch trajectories	2019	Vol. 113		47-62
Garner, Philip N.	Cepstral normalisation and the signal to noise ratio spectrum in automatic speech recognition	2011	Vol. 53	Issue 8	991-1001
Gautreau, Aurore ; Hoen, Michel ; Meunier, Fanny	Lexical decision task on French target words: Effect of listeners' knowledge of the babble-language	2015	Vol. 69		9-16
Gelin, Lucile ; et al.	End-to-end acoustic modelling for phone recognition of young readers	2021	Vol. 134		71-84

Genette, Jérémy ; et al.	Determining spectral stability in vowels: A comparison and assessment of different metrics	2023	Vol. 154		102984
George, Aidan E.W. ; et al.	Robustness metric-based tuning of the augmented Kalman filter for the enhancement of speech corrupted with coloured noise	2018	Vol. 105		62-76
Georgiou ; Georgios P.	Discrimination of L2 Greek vowel contrasts: Evidence from learners with Arabic L1 background	2018	Vol. 102		68-77
Georgiou, Georgios P.	Corrigendum to “Discrimination of L2 Greek vowel contrasts: Evidence from learners with Arabic L1 background” [Speech Communication 102 (2018) 68–77]	2023	Vol. 147		118-118
Georgiou, Georgios P.	Speakers of different L1 dialects with acoustically proximal vowel systems present with similar nonnative speech perception abilities: Data from Greek listeners of Dutch	2023	Vol. 150		32-40
Georgiou, Georgios P. ; et al.	Perceptual realization of Greek consonants by Russian monolingual speakers	2020	Vol. 125		7-14
Gerlach, Linda ; et al.	Exploring the relationship between voice similarity estimates by listeners and by an automatic speaker recognition system incorporating phonetic features	2020	Vol. 124		85-95
Gessinger, Iona ; et al.	Phonetic accommodation to natural and synthetic voices: Behavior of groups and individuals in speech shadowing	2021	Vol. 127		43-63
Ghalmiosgouei, Sina ; Geravanchizadeh, Masoud	Robust Speaker Identification Based on Binaural Masks	2021	Vol. 132		1-9
Ghannay, Sahar ; Estève, Yannick ; Camelin, Nathalie	A study of continuous space word and sentence representations applied to ASR error detection	2020	Vol. 120		31-41
Ghio, A. ; et al.	How to manage sound, physiological and clinical data of 2500 dysphonic and dysarthric speakers?	2012	Vol. 54	Issue 5	664-679
Ghorbandoost, Mostafa ; et al.	Voice conversion based on feature combination with limited training data	2015	Vol. 67		113-128
Ghosh, Prasanta Kumar ; Narayanan, Shrikanth S.	Joint source-filter optimization for robust glottal source estimation in the presence of shimmer and jitter	2011	Vol. 53	Issue 1	98-109
Gibert, Guillaume ; Leung, Yvonne ; Stevens, Catherine J.	Control of speech-related facial movements of an avatar from video	2013	Vol. 55	Issue 1	135-146
Goberman, Alexander M. ; Hughes, Stephanie ; Haydock, Todd	Acoustic characteristics of public speaking: Anxiety and practice effects	2011	Vol. 53	Issue 6	867-876
Goldsworthy, Raymond L.	Temporal envelope cues and simulations of cochlear implant signal processing	2019	Vol. 109		24-33
Goldsworthy, Raymond L. ; Bissmeyer, Susan R.S. ; Swaminathan, Jayaganesh	Audibility emphasis of low-level sounds improves consonant identification while preserving vowel identification for cochlear implant users	2022	Vol. 137		52-59
Goldwater, Sharon ; Jurafsky, Dan ; Manning,	Which words are hard to recognize? Prosodic, lexical, and disfluency factors that	2010	Vol. 52	Issue 3	181-200

Christopher D.	increase speech recognition error rates				
Gómez, Angel M. ; Schwerin, Belinda ; Paliwal, Kuldip	Improving objective intelligibility prediction by combining correlation and coherence based methods with a measure based on the negative distortion ratio	2012	Vol. 54	Issue 3	503-515
Gong, Jian ; Cooke, Martin ; García Lecumberri, Maria Luisa	A quantitative model of first language influence in second language consonant learning	2015	Vol. 69		17-30
Gonseth, Chloe ; Vilain, Anne ; Vilain, Coriandre	An experimental study of speech/gesture interactions and distance encoding	2013	Vol. 55	Issue 4	553-571
González Hautamäki, Rosa ; et al.	Automatic versus human speaker verification: The case of voice mimicry	2015	Vol. 72		13-31
González Hautamäki, Rosa ; et al.	Acoustical and perceptual study of voice disguise by age modification in speaker verification	2017	Vol. 95		1-15
Goodarzi, Mohammad Mohsen ; Almasganj, Farshad	Model-based clustered sparse imputation for noise robust speech recognition	2016	Vol. 76		218-229
Gooskens, Charlotte ; et al.	Is spoken Danish less intelligible than Swedish?	2010	Vol. 52	Issue 11-12	1022-1037
Gooskens, Charlotte ; Heuven, Vincent J. van	Measuring cross-linguistic intelligibility in the Germanic, Romance and Slavic language groups	2017	Vol. 89		25-36
Gorba, Celia ; Cebrian, Juli	The acquisition of L2 voiced stops by English learners of Spanish and Spanish learners of English	2023	Vol. 146		93-108
Górriz, J.M. ; et al.	Improved likelihood ratio test based voice activity detector applied to speech recognition	2010	Vol. 52	Issue 7-8	664-677
Grichkovtsova, Ioulia ; Morel, Michel ; Lacheret, Anne	The role of voice quality and prosodic contour in affective speech perception	2012	Vol. 54	Issue 3	414-429
Grondelaers, Stefan ; Hout, Roeland van ; Harst, Sander van der	Subjective accent strength perceptions are not only a function of objective accent strength. Evidence from Netherlandic Standard Dutch	2015	Vol. 74		1-11
Gubian, Michele ; Cronenberg, Johanna ; Harrington, Jonathan	Phonetic and phonological sound changes in an agent-based model	2023	Vol. 147		93-115
Gudnason, Jon ; et al.	Data-driven voice source waveform analysis and synthesis	2012	Vol. 54	Issue 2	199-211
Guiraud, Pierre ; et al.	Using a single-channel reference with the MBSTOI binaural intelligibility metric	2023	Vol. 149		74-83
Gunawan, Teddy Surya ; Ambikairajah, Eliathamby ; Epps, Julien	Perceptual speech enhancement exploiting temporal masking properties of human auditory system	2010	Vol. 52	Issue 5	381-393
Gunendradasan, Tharshini ; et al.	An adaptive transmission line cochlear model based front-end for replay attack detection	2021	Vol. 132		114-122
Guo, Jinxi ; et al.	Deep neural network based i-vector mapping for speaker verification using short utterances	2018	Vol. 105		92-102

Guo, Liana ; Nagle, Kathleen F. ; Heaton, James T.	Generating tonal distinctions in Mandarin Chinese using an electrolarynx with preprogrammed tone patterns	2016	Vol. 78		34-41
Guo, Lili ; et al.	Learning affective representations based on magnitude and dynamic relative phase information for speech emotion recognition	2022	Vol. 136		118-127
Gupta, Deepika ; Shekhawat, Hanumant Singh	Artificial bandwidth extension using H^∞ sampled-data control theory	2021	Vol. 134		32-41
Gurugubelli, Krishna ; et al.	Duration of the rhotic approximant /ɹ/ in spastic dysarthria of different severity levels	2020	Vol. 125		61-68
Gurugubelli, Krishna ; Vuppala, Anil Kumar	Analytic phase features for dysarthric speech detection and intelligibility assessment	2020	Vol. 121		1-15
Gustafsson, Philip U. ; Laukka, Petri ; Lindholm, Torun	Vocal characteristics of accuracy in eyewitness testimony	2023	Vol. 146		82-92
Hahm, Seong-Jun ; et al.	Prior-shared feature and model space speaker adaptation by consistently employing map estimation	2013	Vol. 55	Issue 3	415-431
Haider, Fasih ; et al.	Analysing patterns of right brain-hemisphere activity prior to speech articulation for identification of system-directed speech	2019	Vol. 107		18-25
Halpern, Bence Mark ; et al.	Low-resource automatic speech recognition and error analyses of oral cancer speech	2022	Vol. 141		14-27
Halpern, Bence Mark ; et al.	Automatic evaluation of spontaneous oral cancer speech using ratings from naive listeners	2023	Vol. 149		84-97
Haniłçi, Cemal ; et al.	Spoofing detection goes noisy: An analysis of synthetic speech detection in the presence of additive noise	2016	Vol. 85		83-97
Hansen, John H.L. ; Gray, Sharmistha S. ; Kim, Wooil	Automatic voice onset time detection for unvoiced stops (/p/,/t/,/k/) with application to accent classification	2010	Vol. 52	Issue 10	777-789
Hansen, John H.L. ; Hynek Bořil	On the issues of intra-speaker variability and realism in speech, speaker, and language recognition tasks	2018	Vol. 101		94-108
Hansen, John H.L. ; Liu, Gang	Unsupervised accent classification for deep data fusion of accent and language information	2016	Vol. 78		19-33
Hansen, John H.L. ; Stauffer, Allen ; Xia, Wei	Nonlinear waveform distortion: Assessment and detection of clipping on speech data and systems	2021	Vol. 134		20-31
Hansen, John H.L. ; Suh, Jun-Won ; Leonard, Matthew R.	In-set/out-of-set speaker recognition in sustained acoustic scenarios using sparse data	2013	Vol. 55	Issue 6	769-781
Hansen, John H.L. ; Zhang, Xianxian	Analysis of CFA-BF: Novel combined fixed/adaptive beamforming for robust speech recognition in real car environments	2010	Vol. 52	Issue 2	134-149

Hanson, Elizabeth K. ; et al.	The impact of alphabet supplementation and word prediction on sentence intelligibility of electronically distorted speech	2010	Vol. 52	Issue 2	99-105
Hao, Yen-Chen	Contextual effect in second language perception and production of Mandarin tones	2018	Vol. 97		32-42
Hao, Yue ; Bao, Feng ; Bao, Changchun	A data-driven speech enhancement method based on A* longest segment searching technique	2017	Vol. 92		142-151
Haq, Ijazul ; et al.	Correction of whitespace and word segmentation in noisy Pashto text using CRF	2023	Vol. 153		102970
Harding, Philip ; Milner, Ben	Reconstruction-based speech enhancement from robust acoustic features	2015	Vol. 75		62-75
Haris, B.C. ; Sinha, Rohit	Low-complexity speaker verification with decimated supervector representations	2015	Vol. 68		11-22
Hasannezhad, Mojtaba ; et al.	PACDNN: A phase-aware composite deep neural network for speech enhancement	2022	Vol. 136		1-13
Hasanov, Jamaladdin ; et al.	Development of a hybrid word recognition system and dataset for the Azerbaijani Sign Language dactyl alphabet	2023	Vol. 153		102960
Hashem, Ahlam ; Arif, Muhammad ; Alghamdi, Manal	Speech emotion recognition approaches: A systematic review	2023	Vol. 154		102974
Hashimoto, Kei ; et al.	Impacts of machine translation and speech synthesis on speech-to-speech translation	2012	Vol. 54	Issue 7	857-866
Hassan, A. ; Damper, R.I.	Classification of emotional speech using 3DEC hierarchical classifier	2012	Vol. 54	Issue 7	903-916
Hazan, Valerie ; Kim, Jeesun ; Chen, Yuchun	Audiovisual perception in adverse conditions: Language, speaker and listener effects	2010	Vol. 52	Issue 11-12	996-1009
He, Shaofang ; Zhao, Huan	Automatic syllable segmentation algorithm of Chinese speech based on MF-DFA	2017	Vol. 92		42-51
Heckmann, Martin ; et al.	A hierarchical framework for spectro-temporal feature extraction	2011	Vol. 53	Issue 5	736-752
Heckmann, Martin ; Raj, Bhiksha ; Smaragdis, Paris	Preface (Special issue: Perceptual and Statistical Audition)	2011	Vol. 53	Issue 5	591-591
Heinrich, Antje ; Flory, Yvonne ; Hawkins, Sarah	Influence of English r-resonances on intelligibility of speech in noise for native English and German listeners	2010	Vol. 52	Issue 11-12	1038-1055
Hendrikse, Maartje M. E ; et al.	Influence of visual cues on head and eye movements during listening tasks in multi-talker audiovisual environments with animated characters	2018	Vol. 101		70-84
Heracleous, Panikos ; Beautemps, Denis ; Aboutabit, Noureddine	Cued Speech automatic recognition in normal-hearing and deaf subjects	2010	Vol. 52	Issue 6	504-512
Hermansky, Hynek	Coding and decoding of messages in human speech communication: Implications for machine recognition of speech	2019	Vol. 106		112-117

Heymans, Walter ; Davel, Marelle H. ; Heerden, Charl van	Efficient acoustic feature transformation in mismatched environments using a Guided-GAN	2022	Vol. 143		10-20
Himawan, Ivan ; et al.	Feature mapping using far-field microphones for distant speech recognition	2016	Vol. 83		1-9
Hines, Andrew ; Harte, Naomi	Speech intelligibility from image processing	2010	Vol. 52	Issue 9	736-752
Hines, Andrew ; Harte, Naomi	Speech intelligibility prediction using a Neurogram Similarity Index Measure	2012	Vol. 54	Issue 2	306-320
Hirahara, Tatsuya ; et al.	Silent-speech enhancement using body-conducted vocal-tract resonance signals	2010	Vol. 52	Issue 4	301-313
Hiraoka, Takuya ; et al.	Learning cooperative persuasive dialogue policies using framing	2016	Vol. 84		83-96
Hjalmarsson, Anna	The additive effect of turn-taking cues in human and synthetic voice	2011	Vol. 53	Issue 1	23-35
Hodoshima, Nao	Effects of urgent speech and congruent/incongruent text on speech intelligibility for older adults in the presence of noise and reverberation	2021	Vol. 134		12-19
Hoetjes, Marieke ; Krahmer, Emiel ; Swerts, Marc	Does our speech change when we cannot gesture?	2014	Vol. 57		257-267
Hoetjes, Marieke ; Krahmer, Emiel ; Swerts, Marc	On what happens in gesture when communication is unsuccessful	2015	Vol. 72		160-175
Hofe, Robin ; et al.	Small-vocabulary speech recognition using a silent speech interface based on magnetic sensing	2013	Vol. 55	Issue 1	22-32
Holt, Rebecca ; Bruggeman, Laurence ; Demuth, Katherine	Effects of hearing loss and audio-visual cues on children's speech processing speed	2023	Vol. 146		11-21
Holt, Yolanda Feimster ; Rangarathnam, Balaji	F0 declination and reset in read speech of African American and White American women	2018	Vol. 97		43-50
Hong, Qingyang ; et al.	Transfer learning for PLDA-based speaker verification	2017	Vol. 92		90-99
Honnet, Pierre-Edouard ; et al.	Intonation modelling using a muscle model and perceptually weighted matching pursuit	2018	Vol. 97		81-93
Hoonhorst, I. ; et al.	Categorical perception of voicing, colors and facial expressions: A developmental study	2011	Vol. 53	Issue 3	417-430
Hou, Mixiao ; Li, Jinxing ; Lu, Guangming	A supervised non-negative matrix factorization model for speech emotion recognition	2020	Vol. 124		13-20
Howard, David M. ; Abberton, Evelyn ; Fourcin, Adrian	Disordered voice measurement and auditory analysis	2012	Vol. 54	Issue 5	611-621
Howard, David M. ; Abberton, Evelyn ; Fourcin, Adrian	Erratum to "Disordered voice measurement and auditory analysis" [Speech Comm. 54 (2012) 611–621]	2012	Vol. 54	Issue 6	844-844
Howson, Phil J. ; Madathodiyil, Irfana	The cross-linguistics perception of liquids: Motivation for the superclass	2023	Vol. 151		1-8

Howson, Phil J. ; Monahan, Philip J.	Perceptual motivation for rhotics as a class	2019	Vol. 115		15-28
Hu, Wenping ; et al.	Improved mispronunciation detection with deep neural network trained acoustic models and transfer learning based logistic regression classifiers	2015	Vol. 67		154-166
Huang, Feng ; et al.	A method of speech periodicity enhancement using transform-domain signal decomposition	2015	Vol. 67		102-112
Huang, Heyun ; et al.	Phone classification via manifold learning based dimensionality reduction algorithms	2016	Vol. 76		28-41
Hudock, Daniel ; et al.	The effect of single syllable silent reading and pantomime speech in varied syllable positions on stuttering frequency throughout utterance productions	2015	Vol. 75		76-83
Hueber, Thomas ; et al.	Development of a silent speech interface driven by ultrasound and optical images of the tongue and lips	2010	Vol. 52	Issue 4	288-300
Hughes, Vincent	Sample size and the multivariate kernel density likelihood ratio: How many speakers are enough?	2017	Vol. 94		15-29
Hughes, Vincent ; Foulkes, Paul	The relevant population in forensic voice comparison: Effects of varying delimitations of social class and age	2015	Vol. 66		218-230
Hui, C.T. Justine ; et al.	Differences between listeners with early and late immersion age in spatial release from masking in various acoustic environments	2022	Vol. 139		51-61
Huijbregts, Marijn ; Jong, Franciska de	Robust speech/non-speech classification in heterogeneous multimedia content	2011	Vol. 53	Issue 2	143-153
Humayun, Mohammad Ali ; Yassin, Hayati ; Abas, Pg Emeroylariffion	Native language identification for Indian-speakers by an ensemble of phoneme-specific, and text-independent convolutions	2022	Vol. 139		92-101
Hurtado, Lluís-F. ; et al.	Spoken dialog systems based on online generated stochastic finite-state transducers	2016	Vol. 83		81-93
Hussain, Qandeel	Phonetic correlates of laryngeal and place contrasts of Burushaski	2021	Vol. 126		71-89
Hussen Abdelaziz, Ahmed ; Kolossa, Dorothea	General hybrid framework for uncertainty-decoding-based automatic speech recognition systems	2016	Vol. 79		1-13
Hyon, Songgun ; et al.	Detection of speaker individual information using a phoneme effect suppression method	2014	Vol. 57		87-100
Ijima, Yusuke ; et al.	Statistical model training technique based on speaker clustering approach for HMM-based speech synthesis	2015	Vol. 71		50-61
Ikbal, Shajith ; et al.	Phase AutoCorrelation (PAC) features for noise robust speech recognition	2012	Vol. 54	Issue 7	867-880
Imseng, David ; et al.	Using out-of-language data to improve an under-resourced speech recognizer	2014	Vol. 56		142-151
Inoue, Katsuki ; et al.	Model architectures to extrapolate emotional expressions in DNN-based text-to-speech	2021	Vol. 126		35-43

Irino, Toshio ; et al.	Comparison of performance with voiced and whispered speech in word recognition and mean-formant-frequency discrimination	2012	Vol. 54	Issue 9	998-1013
Irtza, Saad ; et al.	Using language cluster models in hierarchical language identification	2018	Vol. 100		30-40
Irwin, Amy ; Pilling, Michael ; Thomas, Sharon M.	An analysis of British regional accent and contextual cue effects on speechreading performance	2011	Vol. 53	Issue 6	807-817
Ishi, Carlos Toshinori ; Ishiguro, Hiroshi ; Hagita, Norihiro	Analysis of relationship between head motion events and speech in dialogue conversations	2014	Vol. 57		233-243
Ishizuka, Kentaro ; et al.	Noise robust voice activity detection based on periodic to aperiodic component ratio	2010	Vol. 52	Issue 1	41-60
Islam, Md. Tauhidul ; et al.	Rayleigh modeling of teager energy operated perceptual wavelet packet coefficients for enhancing noisy speech	2017	Vol. 86		64-74
Itzhak, Gal ; Benesty, Jacob ; Cohen, Israel	Nonlinear Kronecker product filtering for multichannel noise reduction	2019	Vol. 114		49-59
Itzhak, Gal ; Benesty, Jacob ; Cohen, Israel	Multistage approach for steerable differential beamforming with rectangular arrays	2022	Vol. 142		61-76
Itzhak, Gal ; Cohen, Israel	Differential constant-beamwidth beamforming with cube arrays	2023	Vol. 149		98-107
Iwata, Tomoharu ; Watanabe, Shinji	Influence relation estimation based on lexical entrainment in conversation	2013	Vol. 55	Issue 2	329-339
Jafari, Ayyoob ; Almasganj, Farshad	Using Laplacian eigenmaps latent variable model and manifold learning to improve speech recognition accuracy	2010	Vol. 52	Issue 9	725-735
Jain, Ayush ; et al.	Robust acoustic echo cancellation using Kalman filter in double talk scenario	2015	Vol. 70		65-75
Jan, Tariqullah ; Wang, Wenwu ; Wang, DeLiang	A multistage approach to blind separation of convolutive speech mixtures	2011	Vol. 53	Issue 4	524-539
Jančovič, Peter ; Zou, Xin ; Köküer, Münevver	Speech enhancement based on Sparse Code Shrinkage employing multiple speech models	2012	Vol. 54	Issue 1	108-118
Jassim, Wissam A. ; Zilany, Muhammad S.A.	Speech quality assessment using 2D neurogram orthogonal moments	2016	Vol. 80		34-48
Jaya Kumar, Ashwini ; Schmidt, Christoph ; Köhler, Joachim	A knowledge graph based speech interface for question answering systems	2017	Vol. 92		1-12
Jayesh, M.K. ; Ramalingam, C.S.	Improved chirp group delay based algorithms with applications to vocal tract estimation and speech recognition.	2016	Vol. 81		72-89
Jaywant, Abhishek ; Pell, Marc D.	Categorical processing of negative emotions from speech prosody	2012	Vol. 54	Issue 1	1-10
Jensen, J.R. ; et al.	Harmonic beamformers for speech enhancement and dereverberation in the time domain	2020	Vol. 116		1-11
Jeon, Hae-Sung ; Heinrich, Antje	Perceptual asymmetry between pitch peaks and valleys	2022	Vol. 140		109-127

Jeon, Je Hun ; Liu, Yang	Automatic prosodic event detection using a novel labeling and selection method in co-training	2012	Vol. 54	Issue 3	445-458
Jeong, Yongwon	Unified framework for basis-based speaker adaptation based on sample covariance matrix of variable dimension	2013	Vol. 55	Issue 2	340-346
Jeong, Yongwon	Joint speaker and environment adaptation using TensorVoice for robust speech recognition	2014	Vol. 58		1-10
Jessen, Michael ; et al.	Evaluation of Phonexia automatic speaker recognition software under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	2019	Vol. 111		22-28
Jessen, Michael ; Meir, Gur ; Solewicz, Yosef A.	Evaluation of Nuance Forensics 9.2 and 11.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	2019	Vol. 110		101-107
Ji, Yan ; et al.	Updating the Silent Speech Challenge benchmark with deep learning	2018	Vol. 98		42-50
Jia, Maoshen ; et al.	Separation of multiple speech sources by recovering sparse and non-sparse components from B-format microphone recordings	2018	Vol. 96		184-196
Jiang, Bo ; et al.	Recursive Feature Diversity Network for audio super-resolution	2022	Vol. 144		57-66
Jiang, Fu ; et al.	Automatic assessment of English proficiency for Japanese learners without reference sentences based on deep neural network acoustic models	2020	Vol. 116		86-97
Jiang, Haihua ; et al.	Investigation of different speech types and emotions for detecting depression using different classifiers	2017	Vol. 90		39-46
Jiang, Xiaoming ; Pell, Marc D.	The sound of confidence and doubt	2017	Vol. 88		106-126
Jiao, Dan ; et al.	Age estimation in foreign-accented speech by non-native speakers of English	2019	Vol. 106		118-126
Jiménez-Bravo, Miguel ; Marrero-Aguiar, Victoria	Multimodal perception of prominence in spontaneous speech: A methodological proposal using mixed models and AIC	2020	Vol. 124		28-45
Jing, Shaoling ; et al.	A closed-form solution to the graph total variation problem for continuous emotion profiling in noisy environment	2018	Vol. 104		66-72
Jokinen, Emma ; Pulakka, Hannu ; Alku, Paavo	Phase modification for increasing the intelligibility of telephone speech in near-end noise conditions – evaluation of two methods	2016	Vol. 83		64-80
Jorgensen, Charles ; Dusan, Sorin	Speech interfaces based upon surface electromyography	2010	Vol. 52	Issue 4	354-366
Joshi, Vikas ; et al.	Sub-band based histogram equalization in cepstral domain for speech recognition	2015	Vol. 69		46-65
Joshy, Amlu Anna ; Rajan, Rajeev	Dysarthria severity classification using multi-head attention and multi-task learning	2023	Vol. 147		1-11
Joy, Neethu Mariam ; Baskar, Murali Karthick ; Umesh, S.	DNNs for unsupervised extraction of pseudo speaker-normalized features without explicit adaptation data	2017	Vol. 92		64-76

Jung, Ye-Jee ; Dmitrieva, Olga	Acoustic properties of non-native clear speech: Korean speakers of English	2023	Vol. 154		102982
Kadiri, Sudarsana Reddy ; Alku, Paavo ; Yegnanarayana, B.	Analysis and classification of phonation types in speech and singing voice	2020	Vol. 118		33-47
Kadiri, Sudarsana Reddy ; Prasad, RaviShankar ; Yegnanarayana, B.	Detection of glottal closure instant and glottal open region from speech signals using spectral flatness measure	2020	Vol. 116		30-43
Kadiri, Sudarsana Reddy ; Yegnanarayana, B.	Epoch extraction from emotional speech using single frequency filtering approach	2017	Vol. 86		52-63
Kakouros, Sofoklis ; Räsänen, Okko	3PRO – An unsupervised method for the automatic detection of sentence prominence in speech	2016	Vol. 82		67-84
Kakouros, Sofoklis ; Räsänen, Okko ; Alku, Paavo	Comparison of spectral tilt measures for sentence prominence in speech—Effects of dimensionality and adverse noise conditions	2018	Vol. 103		11-26
Kalantari, Mohammad ; Gooran, Soroush Rostami ; Kanan, Hamidreza Rashidy	Improved embedded pre-whitening subspace approach for enhancing speech contaminated by colored noise	2018	Vol. 99		12-26
Kallio, Heini ; Kautonen, Maria ; Kuronen, Mikko	Prosody and fluency of Finland Swedish as a second language: Investigating global parameters for automated speaking assessment	2023	Vol. 148		66-80
Kalluri, Shareef Babu ; Vijayasenan, Deepu ; Ganapathy, Sriram	Automatic speaker profiling from short duration speech data	2020	Vol. 121		16-28
Kamble, Madhu R. ; Tak, Hemlata ; Patil, Hemant A.	Amplitude and Frequency Modulation-based features for detection of replay Spoof Speech	2020	Vol. 125		114-127
Kammi, Sonay ; Karami Mollaei, Mohammad Reza	Noisy speech enhancement with sparsity regularization	2017	Vol. 87		58-69
Kamper, Herman ; Muamba Mukanya, Félicien Jeje ; Niesler, Thomas	Multi-accent acoustic modelling of South African English	2012	Vol. 54	Issue 6	801-813
Kanagasundaram, A. ; et al.	Improving short utterance i-vector speaker verification using utterance variance modelling and compensation techniques	2014	Vol. 59		69-82
Kandagatla, Ravi Kumar ; Subbaiah, P.V.	Speech enhancement using MMSE estimation of amplitude and complex speech spectral coefficients under phase-uncertainty	2018	Vol. 96		10-27
Kane, John ; et al.	Phonetic feature extraction for context-sensitive glottal source processing	2014	Vol. 59		10-21
Kane, John ; Gobl, Christer	Evaluation of glottal closure instant detection in a range of voice qualities	2013	Vol. 55	Issue 2	295-314
Kane, John ; Gobl, Christer	Automating manual user strategies for precise voice source analysis	2013	Vol. 55	Issue 3	397-414
Kang, Fang ; Yang, Feiran ; Yang, Jun	A low-complexity permutation alignment method for frequency-domain blind source separation	2019	Vol. 115		88-94
Kang, Shinae ; Johnson, Keith ; Finley, Gregory	Effects of native language on compensation for coarticulation	2016	Vol. 77		84-100

Kangatharan, Jayanthiny ; Uther, Maria ; Gobet, Fernand	The effect of clear speech to foreign-sounding interlocutors on native listeners' perception of intelligibility	2023	Vol. 150		66-72
Karakozoglou, Sevasti-Zoi ; et al.	Automatic glottal segmentation using local-based active contours and application to glottovibrography	2012	Vol. 54	Issue 5	641-654
Karjigi, V. ; Rao, P.	Classification of place of articulation in unvoiced stops with spectro-temporal surface modeling	2012	Vol. 54	Issue 10	1104-1120
Karpov, Alexey ; et al.	Large vocabulary Russian speech recognition using syntactico-statistical language modeling	2014	Vol. 56		213-228
Kates, James M.	Modeling the effects of single-microphone noise-suppression	2017	Vol. 90		15-25
Kates, James M. ; Arehart, Kathryn H.	The Hearing-Aid Speech Perception Index (HASPI)	2014	Vol. 65		75-93
Kates, James M. ; Arehart, Kathryn H.	The Hearing-Aid Speech Perception Index (HASPI) Version 2	2021	Vol. 131		35-46
Kathania, Hemant Kumar ; et al.	A formant modification method for improved ASR of children's speech	2022	Vol. 136		98-106
Kaufmann, Tobias ; Pfister, Beat	Syntactic language modeling with formal grammars	2012	Vol. 54	Issue 6	715-731
Kelly, Finnian ; et al.	Evaluation of VOCALISE under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	2019	Vol. 112		30-36
Kempton, Timothy ; Moore, Roger K.	Discovering the phoneme inventory of an unwritten language: A machine-assisted approach	2014	Vol. 56		152-166
Kerkeni, Leila ; et al.	Automatic speech emotion recognition using an optimal combination of features based on EMD-TKEO	2019	Vol. 114		22-35
Keser, Serkan ; et al.	A subspace based progressive coding method for speech compression	2017	Vol. 94		50-61
Khademian, Mahdi ; Homayounpour, Mohammad Mehdi	Monaural multi-talker speech recognition using factorial speech processing models	2018	Vol. 98		1-16
Kibria, Shafkat ; et al.	Bangladeshi Bangla speech corpus for automatic speech recognition research	2022	Vol. 136		84-97
Kim, HeePyung ; et al.	Effect of processing-based and microphone-based noise reduction algorithms on intelligibility-related acoustic features: A parametric investigation study	2016	Vol. 78		11-18
Kim, Jeesun ; Bailly, Gérard ; Davis, Chris	Introduction to the special issue on auditory-visual expressive speech and gesture in humans and machines	2018	Vol. 98		63-67
Kim, Jeesun ; Cvejic, Erin ; Davis, Chris	Tracking eyebrows and head gestures associated with spoken prosody	2014	Vol. 57		317-330
Kim, Jinryoul ; et al.	Effect of the degree of sensorineural hearing impairment on the results of subjective evaluations of a noise-reduction algorithm	2015	Vol. 68		1-10
Kim, Jung Wan ; Lee, Si Kyung ; Yoon, Ji Hye	The distinctive effect of providing syllables in letter fluency testing: Literate vs. illiterate elderly persons	2015	Vol. 70		42-48

Kim, JungWan ; et al.	The development of the Geriatric Index of Communicative Ability (GICA) for measuring communicative competence of elderly: A pilot study	2014	Vol. 56		63-69
Kim, Seon Man ; Bleeck, Stefan	An open development platform for auditory real-time signal processing	2018	Vol. 98		73-84
Kim, Wooil ; Hansen, John H.L.	Variational noise model composition through model perturbation for robust speech recognition with time-varying background noise	2011	Vol. 53	Issue 4	451-464
Kim, Wooil ; Hansen, John H.L.	Advanced parallel combined Gaussian mixture model based feature compensation integrated with iterative channel estimation	2015	Vol. 73		81-93
Kim, Wooil ; Stern, Richard M.	Mask classification for missing-feature reconstruction for robust speech recognition in unknown background noise	2011	Vol. 53	Issue 1	1-11
Kinnunen, Tomi ; Li, Haizhou	An overview of text-independent speaker recognition: From features to supervectors	2010	Vol. 52	Issue 1	12-40
Knoll, Monja ; Scharrer, Lisa ; Costall, Alan	“Look at the shark”: Evaluation of student- and actress-produced standardised sentences of infant- and foreigner-directed speech	2011	Vol. 53	Issue 1	12-22
Knoll, Monja A. ; Costall, Alan	Characterising F(0) contour shape in infant- and foreigner-directed speech	2015	Vol. 66		231-243
Ko, Tom ; Mak, Brian	Eigentrigraphemes for under-resourced languages	2014	Vol. 56		132-141
Kobayashi, Kazuhiro ; Toda, Tomoki ; Nakamura, Satoshi	Intra-gender statistical singing voice conversion with direct waveform modification using log-spectral differential	2018	Vol. 99		211-220
Kobayashi, Maori ; Hamada, Yasuhiro ; Akagi, Masato	Acoustic features correlated to perceived urgency in evacuation announcements	2022	Vol. 139		22-34
Kociński, Jędrzej	The interaction between speech intelligibility task and non-auditory tasks	2015	Vol. 66		82-90
Kociński, Jędrzej ; Libiszewski, Paweł ; Sęk, Aleksander	Spatial efficiency of blind source separation based on decorrelation – subjective and objective assessment	2011	Vol. 53	Issue 3	390-402
Kockmann, Marcel ; Burget, Lukáš ; Černocký, Jan “Honza”	Application of speaker- and language identification state-of-the-art techniques for emotion recognition	2011	Vol. 53	Issue 9-10	1172-1185
Kolář, Jáchym ; Liu, Yang ; Shriberg, Elizabeth	Speaker adaptation of language and prosodic models for automatic dialog act segmentation of speech	2010	Vol. 52	Issue 3	236-245
Kolly, Marie-José ; et al.	Listeners use temporal information to identify French- and English-accented speech	2017	Vol. 86		121-134
Kong, Ying-Yee ; Mullangi, Ala	On the development of a frequency-lowering system that enhances place-of-articulation perception	2012	Vol. 54	Issue 1	147-160
Koniaris, Christos ; Salvi, Giampiero ; Engwall, Olov	On mispronunciation analysis of individual foreign speakers using auditory periphery models	2013	Vol. 55	Issue 5	691-706
Konno, Hideaki ; et al.	Whisper to normal speech conversion using pitch estimated from spectrum	2016	Vol. 83		10-20

Kopp, Stefan	Social resonance and embodied coordination in face-to-face conversation with artificial interlocutors	2010	Vol. 52	Issue 6	587-597
Korenevsky, Maxim	Phase term modeling for enhanced feature-space VTS	2017	Vol. 89		84-91
Korzekwa, Daniel ; et al.	Computer-assisted pronunciation training—Speech synthesis is almost all you need	2022	Vol. 142		22-33
Kotsakis, R. ; Kalliris, G. ; Dimoulas, C.	Investigation of broadcast-audio semantic analysis scenarios employing radio-programme-adaptive pattern classification	2012	Vol. 54	Issue 6	743-762
Krasnowski, Piotr ; Lebrun, Jerome ; Martin, Bruno	A novel distortion-tolerant speech encryption scheme for secure voice communication	2022	Vol. 143		57-72
Krause, Jean C. ; Pelley-Lopez, Katherine A. ; Tessler, Morgan P.	A method for transcribing the manual components of Cued Speech	2011	Vol. 53	Issue 3	379-389
Krishnamoorthy, P. ; Prasanna, S.R.M.	Enhancement of noisy speech by temporal and spectral processing	2011	Vol. 53	Issue 2	154-174
Kua, Jia Min Karen ; Epps, Julien ; Ambikairajah, Eliathamby	i-Vector with sparse representation classification for speaker verification	2013	Vol. 55	Issue 5	707-720
Kubo, Yotaro ; et al.	Temporal AM–FM combination for robust speech recognition	2011	Vol. 53	Issue 5	716-725
Kulkarni, Pandurangarao N. ; Pandey, Prem C. ; Jangamashetti, Dakshayani S.	Multi-band frequency compression for improving speech perception by listeners with moderate sensorineural hearing loss	2012	Vol. 54	Issue 3	341-350
Kurata, Gakuto ; et al.	Acoustically discriminative language model training with pseudo-hypothesis	2012	Vol. 54	Issue 2	219-228
Kurata, Gakuto ; et al.	Leveraging word confusion networks for named entity modeling and detection from conversational telephone speech	2012	Vol. 54	Issue 3	491-502
Kurtić, Emina ; Brown, Guy J. ; Wells, Bill	Resources for turn competition in overlapping talk	2013	Vol. 55	Issue 5	721-743
Laaridh, Imed ; Meunier, Christine ; Fredouille, Corinne	Perceptual evaluation for automatic anomaly detection in disordered speech: Focus on ambiguous cases	2018	Vol. 105		23-33
Labrunie, Mathieu ; et al.	Automatic segmentation of speech articulators from real-time midsagittal MRI based on supervised learning	2018	Vol. 99		27-46
Lai, Catherine ; Farrús, Mireia ; Moore, Johanna D.	Integrating lexical and prosodic features for automatic paragraph segmentation	2020	Vol. 121		44-57
Lammert, Adam ; et al.	Statistical methods for estimation of direct and differential kinematics of the vocal tract	2013	Vol. 55	Issue 1	147-161
Lander, Karen ; Capek, Cheryl	Investigating the impact of lip visibility and talking style on speechreading performance	2013	Vol. 55	Issue 5	600-605
Larcher, Anthony ; et al.	Text-dependent speaker verification: Classifiers, databases and RSR2015	2014	Vol. 60		56-77

Laska, Brady ; Bolić, Miodrag ; Goubran, Rafik	Discrete cosine transform particle filter speech enhancement	2010	Vol. 52	Issue 9	762-775
Laskar, Mohammad Azharuddin ; Laskar, Rabul Hussain	HiLAM-state discriminative multi-task deep neural network in dynamic time warping framework for text-dependent speaker verification	2020	Vol. 121		29-43
Lazaridis, Alexandros ; et al.	Improving phone duration modelling using support vector regression fusion	2011	Vol. 53	Issue 1	85-97
Le Roux, Jonathan ; et al.	Computational auditory induction as a missing-data model-fitting problem with Bregman divergence	2011	Vol. 53	Issue 5	658-676
Le, Duc ; Licata, Keli ; Mower Provost, Emily	Automatic quantitative analysis of spontaneous aphasic speech	2018	Vol. 100		1-12
Le, Phu Ngoc ; et al.	Investigation of spectral centroid features for cognitive load classification	2011	Vol. 53	Issue 4	540-551
Lebai Lutfi, Syaheerah ; et al.	A satisfaction-based model for affect recognition from conversational features in spoken dialog systems	2013	Vol. 55	Issue 7-8	825-840
Lee, Bradford J. ; Hart, Edwin T.	Facemask occlusion's impact on L2 listening comprehension	2022	Vol. 139		45-50
Lee, Chao-Yang ; Tao, Liang ; Bond, Z.S.	Identification of multi-speaker Mandarin tones in noise by native and non-native listeners	2010	Vol. 52	Issue 11-12	900-910
Lee, Chi-Chun ; et al.	Emotion recognition using a hierarchical binary decision tree approach	2011	Vol. 53	Issue 9-10	1162-1171
Lee, Ki-Seung	A unit selection approach for voice transformation	2014	Vol. 60		30-43
Lee, Ki-Seung	Speech enhancement using ultrasonic doppler sonar	2019	Vol. 110		21-32
Lee, Kyogu	Application of non-negative spectrogram decomposition with sparsity constraints to single-channel speech enhancement	2014	Vol. 58		69-80
Lee, Yoonjeong ; et al.	Who converges? Variation reveals individual speaker adaptability	2021	Vol. 131		23-34
Lee, Young Han ; Kim, Hong Kook	Entropy coding of compressed feature parameters for distributed speech recognition	2010	Vol. 52	Issue 5	405-412
Leemann, Adrian ; Kolly, Marie-José	Speaker-invariant suprasegmental temporal features in normal and disguised speech	2015	Vol. 75		97-122
Legát, M. ; Matoušek, J. ; Tihelka, D.	On the detection of pitch marks using a robust multi-phase algorithm	2011	Vol. 53	Issue 4	552-556
Lei, Yun ; Hansen, John H.L.	Mismatch modeling and compensation for robust speaker verification	2011	Vol. 53	Issue 2	257-268
Lelandais, Manon ; Thiberge, Gabriel	The role of prosody and hand gestures in the perception of boundaries in speech ☆	2023	Vol. 150		41-65
Lentz, Benjamin ; Völter, Christiane ; Martin, Rainer	Spectral sparsification of speech signals and its interaction with top-down mechanisms in adult cochlear implant users	2022	Vol. 144		67-74
Leonarduzzi, Roberto F. ; et al.	Wavelet leader multifractal analysis of period and amplitude sequences from sustained vowels	2015	Vol. 72		1-12

Lesimple, Christophe ; Simon, Barbara ; Tantau, Julie	Effect of talker variability on hearing aid benefit with closed word recognition test	2018	Vol. 99		47-55
Levin, Dovid Y. ; Habets, Emanuël A.P. ; Gannot, Sharon	Near-field signal acquisition for smartglasses using two acoustic vector-sensors	2016	Vol. 83		42-53
Li, Dongdong ; et al.	Identity Retention and Emotion Converted StarGAN for low-resource emotional speaker recognition	2023	Vol. 151		39-51
Li, Guoyan ; et al.	wUnet: A new network used for ultrasonic tongue contour extraction	2022	Vol. 141		68-79
Li, Jialu ; Hasegawa-Johnson, Mark ; McElwain, Nancy L.	Analysis of acoustic and voice quality features for the classification of infant and mother vocalizations	2021	Vol. 133		41-61
Li, Junfeng ; et al.	Two-stage binaural speech enhancement with Wiener filter for high-quality speech communication	2011	Vol. 53	Issue 5	677-689
Li, Kun ; et al.	Automatic lexical stress and pitch accent detection for L2 English speech using multi-distribution deep neural networks	2018	Vol. 96		28-36
Li, Lantian ; et al.	CN-Celeb: Multi-genre speaker recognition	2022	Vol. 137		77-91
Li, Qiujia ; Zhang, Chao ; Woodland, Philip C.	Combining hybrid DNN-HMM ASR systems with attention-based models using lattice rescoring	2023	Vol. 147		12-21
Li, Ruwei ; et al.	ILMSAF based speech enhancement with DNN and noise classification	2016	Vol. 85		53-70
Li, Ruwei ; et al.	RETRACTED: Multi-channel adaptive loudness compensation algorithm based on noise tracking in digital hearing aids	2021	Vol. 130		64-76
Li, Ruwei ; et al.	Retraction notice to “Multi-channel adaptive loudness compensation algorithm based on noise tracking in digital hearing aids” [Measurement 130C (2021) 2773]	2021	Vol. 134		85-85
Li, Wei ; et al.	Feature sparsity analysis for i-vector based speaker verification	2016	Vol. 80		60-70
Li, Xin ; Yang, Shuying ; Guo, Haiming	Application of virtual human sign language translation based on speech recognition	2023	Vol. 152		102951
Li, Xingfeng ; Akagi, Masato	Improving multilingual speech emotion recognition by combining acoustic features in a three-layer model	2019	Vol. 110		1-12
Li, Xuliang ; et al.	Distributed-microphones based in-vehicle speech enhancement via sparse and low-rank spectrogram decomposition	2018	Vol. 98		51-62
Li, Ya ; et al.	Hierarchical stress modeling and generation in mandarin for expressive Text-to-Speech	2015	Vol. 72		59-73
Li, Ya ; et al.	Quantitative intonation modeling of interrogative sentences for Mandarin speech synthesis	2017	Vol. 89		92-102
Li, Yaxing ; et al.	Single and multiple frame coding of LSF parameters using deep neural network	2020	Vol. 120		1-10

	and pyramid vector quantizer				
Li, Zhongbo ; et al.	Comparison and optimization of packet loss recovery methods based on AMR-WB for VoIP	2012	Vol. 54	Issue 8	957-974
Liang, Shan ; et al.	The analysis of the simplification from the ideal ratio to binary mask in signal-to-noise ratio sense	2014	Vol. 59		22-30
Liang, Shan ; et al.	Exploiting the directional coherence function for multichannel source extraction	2021	Vol. 128		1-14
Lileikyte, Rasa ; Irvin, Dwight ; Hansen, John H.L.	Assessing child communication engagement and statistical speech patterns for American English via speech recognition in naturalistic active learning spaces	2022	Vol. 140		98-108
Lin, Wen-liang ; Deng, Zhongliang	Satellite speech quality measurement model based on a combination of auditory envelope feature and link loss	2017	Vol. 88		149-159
Lindstrøm Jensen, Tobias ; et al.	Fast algorithms for high-order sparse linear prediction with applications to speech processing	2016	Vol. 76		143-156
Ling, Zhen-Hua ; Richmond, Korin ; Yamagishi, Junichi	An Analysis of HMM-based prediction of articulatory movements	2010	Vol. 52	Issue 10	834-846
Liu, Danyang ; et al.	A unified system for multilingual speech recognition and language identification	2021	Vol. 127		17-28
Liu, Huangmei ; et al.	Vowels and tones as acoustic cues in Chinese subregional dialect identification	2020	Vol. 123		59-69
Liu, Hung-Ping ; Tsao, Yu ; Fuh, Chiou-Shann	Bone-conducted speech enhancement using deep denoising autoencoder	2018	Vol. 104		106-112
Liu, Jindong ; Yang, Guang-Zhong	Robust speech recognition in reverberant environments by using an optimal synthetic room impulse response model	2015	Vol. 67		65-77
Liu, Lu-Yao ; Liu, Wen-Zhe ; Feng, Lin	SDTF-Net: Static and dynamic time–frequency network for Speech Emotion Recognition	2023	Vol. 148		1-8
Liu, Yang ; et al.	Speech enhancement of instantaneous amplitude and phase for applications in noisy reverberant environments	2016	Vol. 84		1-14
Liu, Yang ; et al.	Multi-modal speech emotion recognition using self-attention mechanism and multi-scale fusion framework	2022	Vol. 139		1-9
Liu, Yuan ; et al.	Deep feature for text-dependent speaker verification	2015	Vol. 73		1-13
Liu, Zheng-Chen ; Ling, Zhen-Hua ; Dai, Li-Rong	Articulatory-to-acoustic conversion using BLSTM-RNNs with augmented input representation	2018	Vol. 99		161-172
Lobdell, B.E. ; Allen, J.B. ; Hasegawa-Johnson, M.A.	Intelligibility predictors and neural representation of speech	2011	Vol. 53	Issue 2	185-194
Locqueville, Grégoire ; et al.	Voks: Digital instruments for chironomic control of voice samples	2020	Vol. 125		97-113
Loizou, Christos P.	An automated integrated speech and face imageanalysis system for the	2021	Vol. 130		15-26

	identification of human emotions				
Long, Zhang ; et al.	Supervised single-channel speech dereverberation and denoising using a two-stage model based sparse representation	2018	Vol. 97		1-8
Loots, Linsen ; Niesler, Thomas	Automatic conversion between pronunciations of different English accents	2011	Vol. 53	Issue 1	75-84
Looze, Céline de ; et al.	Investigating automatic measurements of prosodic accommodation and its dynamics in social interaction	2014	Vol. 58		11-34
López-Cózar, Ramón ; Silovsky, Jan ; Kroul, Martin	Enhancement of emotion detection in spoken dialogue systems by combining several information sources	2011	Vol. 53	Issue 9-10	1210-1228
López-Espejo, Iván ; et al.	On the deficiency of intelligibility metrics as proxies for subjective intelligibility	2023	Vol. 150		9-22
López-Oller, Domingo ; et al.	Speech excitation signal recovering based on a novel error mitigation scheme under erasure channel conditions	2018	Vol. 97		73-80
Lopez-Otero, Paula ; Docio-Fernandez, Laura ; Garcia-Mateo, Carmen	Finding relevant features for zero-resource query-by-example search on speech	2016	Vol. 84		24-35
Lorenzo-Trueba, Jaime ; et al.	Investigating different representations for modeling and controlling multiple emotions in DNN-based speech synthesis	2018	Vol. 99		135-143
Low, Siow Yong	Compressive speech enhancement in the modulation domain	2018	Vol. 102		87-99
Low, Siow Yong ; Pham, Duc Son ; Venkatesh, Svetha	Compressive speech enhancement	2013	Vol. 55	Issue 6	757-768
Lu, Ching-ta	Enhancement of single channel speech using perceptual-decision-directed approach	2011	Vol. 53	Issue 4	495-507
Lu, Ching-ta	Reduction of musical residual noise using block-and-directional-median filter adapted by harmonic properties	2014	Vol. 58		35-48
Lu, Wenhuan ; et al.	One-shot emotional voice conversion based on feature separation	2022	Vol. 143		1-9
Lu, X. ; et al.	Temporal contrast normalization and edge-preserved smoothing of temporal modulation structures of speech for robust speech recognition	2010	Vol. 52	Issue 1	1-11
Lu, Yan-Chen ; Cooke, Martin	Motion strategies for binaural localisation of speech sources in azimuth and distance by artificial listeners	2011	Vol. 53	Issue 5	622-642
Ludusan, Bogdan ; Schuppler, Barbara	An analysis of prosodic boundaries across speaking styles in two varieties of German	2022	Vol. 141		93-106
Ludusan, Bogdan ; Wagner, Petra	Laughter entrainment in dyadic interactions: Temporal distribution and form	2022	Vol. 136		42-52
Luo, Shan ; Tang, Xiaoyi ; Qiao, Tianshu	Phonetic detail encoding in explaining boundary-modulated coarticulation	2020	Vol. 125		152-163
Luo, Xiaoxue ; et al.	Analysis of trade-offs between magnitude and phase estimation in loss functions	2022	Vol. 145		71-87

	for speech denoising and dereverberation				
Luo, Yuan ; et al.	Speech bottleneck feature extraction method based on overlapping group lasso sparse deep neural network	2018	Vol. 99		56-61
Lv, Zhao ; et al.	A permutation algorithm based on dynamic time warping in speech frequency-domain blind source separation	2017	Vol. 92		132-141
Ma, Jianfen ; Loizou, Philipos C.	SNR loss: A new objective measure for predicting the intelligibility of noise-suppressed speech	2011	Vol. 53	Issue 3	340-354
Maastricht, Lieke van ; et al.	The interplay of prosodic cues in the L2: How intonation, rhythm, and speech rate in speech by Spanish learners of Dutch contribute to L1 Dutch perceptions of accentedness and comprehensibility	2021	Vol. 133		81-90
Maastricht, Lieke van ; Krahmer, Emiel ; Swerts, Marc	Native speaker perceptions of (non-)native prominence patterns: Effects of deviance in pitch accent distributions on accentedness, comprehensibility, intelligibility, and nativeness	2016	Vol. 83		21-33
Maeno, Yu ; et al.	Prosodic variation enhancement using unsupervised context labeling for HMM-based expressive speech synthesis	2014	Vol. 57		144-154
Mahdhaoui, Ammar ; Chetouani, Mohamed	Supervised and semi-supervised infant-directed speech classification for parent-infant interaction analysis	2011	Vol. 53	Issue 9-10	1149-1161
Mai, Van-Khanh ; et al.	Semi-parametric joint detection and estimation for speech enhancement based on minimum mean square error	2018	Vol. 102		27-38
Maia, Ranniery ; Akamine, Masami ; Gales, Mark J.F.	Complex cepstrum for statistical parametric speech synthesis	2013	Vol. 55	Issue 5	606-618
Mak, Man-Wai ; Rao, Wei	Utterance partitioning with acoustic vector resampling for GMM-SVM speaker verification	2011	Vol. 53	Issue 1	119-130
Malakar, Mousumi ; Keskar, Ravindra B.	Progress of machine learning based automatic phoneme recognition and its prospect	2021	Vol. 135		37-53
Mandasari, Miranti Indar ; Saeidi, Rahim ; Leeuwen, David A. van	Quality measures based calibration with duration and noise dependency for speaker recognition	2015	Vol. 72		126-137
Mao, Qirong ; et al.	Learning emotion-discriminative and domain-invariant features for domain adaptation in speech emotion recognition	2017	Vol. 93		1-10
Marcoux, Katherine ; et al.	The Lombard intelligibility benefit of native and non-native speech for native and non-native listeners	2022	Vol. 136		53-62
Marczyk, Anna ; et al.	Learning transfer from singing to speech: Insights from vowel analyses in aging amateur singers and non-singers	2022	Vol. 141		28-39
Mariooryad, Soroosh ; Busso, Carlos	Compensating for speaker or lexical variabilities in speech for emotion	2014	Vol. 57		1-12

	recognition				
Markaki, Maria ; Stylianou, Yannis	Discrimination of speech from nonspeech in broadcast news based on modulation frequency features	2011	Vol. 53	Issue 5	726-735
Marxer, Ricard ; et al.	The impact of the Lombard effect on audio and visual speech recognition systems	2018	Vol. 100		58-68
Masuda, Hinako	Misperception patterns of American English consonants by Japanese listeners in reverberant and noisy environments	2016	Vol. 79		74-87
Matsui, Toshie ; et al.	Modelling speaker-size discrimination with voiced and unvoiced speech sounds based on the effect of spectral lift	2022	Vol. 136		23-41
Matsui, Toshie ; et al.	Corrigendum to Modelling speaker-size discrimination with voiced and unvoiced speech sounds based on the effect of spectral lift, Speech Communication 136 (2022) 23–41	2023	Vol. 147		116-117
Mattheyses, Wesley ; Latacz, Lukas ; Verhelst, Werner	Comprehensive many-to-many phoneme-to-viseme mapping and its application for concatenative visual speech synthesis	2013	Vol. 55	Issue 7-8	857-876
Mattheyses, Wesley ; Latacz, Lukas ; Verhelst, Werner	Erratum to “Comprehensive many-to-many phoneme-to-viseme mapping and its application for concatenative visual speech synthesis” [SPECOM 55/7-8 (2013) 857–876]	2013	Vol. 55	Issue 7-8	877-877
Mattheyses, Wesley ; Verhelst, Werner	Audiovisual speech synthesis: An overview of the state-of-the-art	2015	Vol. 66		182-217
Mattys, Sven L. ; et al.	Effects of energetic and informational masking on speech segmentation by native and non-native speakers	2010	Vol. 52	Issue 11-12	887-899
Mavaddaty, Samira ; Ahadi, Seyed Mohammad ; Seyedin, Sanaz	A novel speech enhancement method by learnable sparse and low-rank decomposition and domain adaptation	2016	Vol. 76		42-60
May, Tobias	Influence of binary mask estimation errors on robust speaker identification	2017	Vol. 87		40-48
Mayo, Catherine ; Clark, Robert A.J. ; King, Simon	Listeners’ weighting of acoustic cues to synthetic speech naturalness: A multidimensional scaling analysis	2011	Vol. 53	Issue 3	311-326
McClanahan, Richard ; De Leon, Phillip L.	Reducing computation in an i-vector speaker recognition system using a tree-structured universal background model	2015	Vol. 66		36-46
McDougall, Kirsty ; Duckworth, Martin	Profiling fluency: An analysis of individual variation in disfluencies in adult males	2017	Vol. 95		16-27
McLachlan, Neil M. ; Grayden, David B.	Enhancement of speech perception in noise by periodicity processing: A neurobiological model and signal processing algorithm	2014	Vol. 57		114-125
Medabalimi, Anand Joseph Xavier ; Seshadri, Guruprasad ; Yegnanarayana, Bayya	Extraction of formant bandwidths using properties of group delay functions	2014	Vol. 63-64		70-83
Mehrabani, Mahnoosh ; Hansen, John H.L.	Singing speaker clustering based on subspace learning in the GMM mean supervector space	2013	Vol. 55	Issue 5	653-666

Meireles, Aleksandro R.	Self-organizing jaw gestures with speech rate increase	2021	Vol. 133		31-40
Mereu, Daniela ; Vietti, Alessandro	Dialogic ItAlian: the creation of a corpus of Italian spontaneous speech	2021	Vol. 130		1-14
Meyer, Bernd T. ; Kollmeier, Birger	Robustness of spectro-temporal features against intrinsic and extrinsic variations in automatic speech recognition	2011	Vol. 53	Issue 5	753-767
Miao, Xiaolin ; et al.	Fusing features of speech for depression classification based on higher-order spectral analysis	2022	Vol. 143		46-56
Michelsanti, Daniel ; et al.	Deep-learning-based audio-visual speech enhancement in presence of Lombard effect	2019	Vol. 115		38-50
Milner, Ben	Enhancing speech at very low signal-to-noise ratios using non-acoustic reference signals	2013	Vol. 55	Issue 9	879-892
Mirbeygi, Mohaddeseh ; Mahabadi, Aminollah ; Ranjbar, Akbar	RPCA-based real-time speech and music separation method	2021	Vol. 126		22-34
Mirsamadi, Seyedmahdad ; Hansen, John H.L.	Multi-domain adversarial training of neural network acoustic models for distant speech recognition	2019	Vol. 106		21-30
Mirzaei, Sayeh ; Van Hamme, Hugo ; Norouzi, Yaser	Under-determined reverberant audio source separation using Bayesian Non-negative Matrix Factorization.	2016	Vol. 81		129-137
Mirzahasanloo, Taher S. ; et al.	Environment-adaptive speech enhancement for bilateral cochlear implants using a single processor	2013	Vol. 55	Issue 4	523-534
Misra, Abhinav ; Hansen, John H.L.	Modelling and compensation for language mismatch in speaker verification	2018	Vol. 96		58-66
Misu, Teruhisa ; Kawahara, Tatsuya	Bayes risk-based dialogue management for document retrieval system with speech interface	2010	Vol. 52	Issue 1	61-71
Mitra, Vikramjit ; et al.	Hybrid convolutional neural networks for articulatory and acoustic information based speech recognition	2017	Vol. 89		103-112
Mitsui, Kentaro ; Koriyama, Tomoki ; Saruwatari, Hiroshi	Deep Gaussian process based multi-speaker speech synthesis with latent speaker representation	2021	Vol. 132		132-145
Mixdorff, Hansjörg ; et al.	Audio-visual expressions of attitude: How many different attitudes can perceivers decode?	2017	Vol. 95		114-126
Moattar, M.H. ; Homayounpour, M.M.	Variational conditional random fields for online speaker detection and tracking	2012	Vol. 54	Issue 6	763-780
Moattar, M.H. ; Homayounpour, M.M.	A review on speaker diarization systems and approaches	2012	Vol. 54	Issue 10	1065-1103
Möbius, Bernd	A change at the helm for Speech Communication. (Editorial)	2018	Vol. 99		A1
Mohammadi, Seyed Hamidreza ; Kain, Alexander	An overview of voice conversion systems	2017	Vol. 88		65-82

Mohan, Aanchan ; et al.	Acoustic modelling for speech recognition in Indian languages in an agricultural commodities task domain	2014	Vol. 56		167-180
Mok, Peggy P.K.	Effects of consonant cluster syllabification on vowel-to-vowel coarticulation in English	2012	Vol. 54	Issue 8	946-956
Mok, Peggy Pik Ki ; et al.	Orthographic effects on the perception and production of L2 mandarin tones	2018	Vol. 101		1-10
Mokhtari, Parham ; et al.	Estimation of the glottal flow from speech pressure signals: Evaluation of three variants of iterative adaptive inverse filtering using computational physical modelling of voice production	2018	Vol. 104		24-38
Moniz, Helena ; et al.	Speaking style effects in the production of disfluencies	2014	Vol. 65		20-35
Montaño, Raúl ; Alías, Francesc	The role of prosody and voice quality in indirect storytelling speech: Annotation methodology and expressive categories	2016	Vol. 85		8-18
Montaño, Raúl ; Alías, Francesc	The role of prosody and voice quality in indirect storytelling speech: A cross-narrator perspective in four European languages	2017	Vol. 88		1-16
Montazeri, Vahid ; Hossain, Shaikat ; Assmann, Peter F.	Predicting speech reception thresholds of cochlear implant users using a modified envelope based measure	2017	Vol. 89		47-57
Monteiro, João ; Alam, Jahangir ; Falk, Tiago H.	Multi-level self-attentive TDNN: A general and efficient approach to summarize speech into discriminative utterance-level representations	2022	Vol. 140		42-49
Moon, Jae ; Chau, Tom	Shared and task-specific phase coding characteristics of gamma- and theta-bands in speech perception and covert speech	2023	Vol. 147		63-73
Morales, Lorenzo ; Li, Francis F.	A new verification of the speech transmission index for the English language	2018	Vol. 105		1-11
Moreno-Daniel, Antonio ; Wilpon, Jay ; Juang, B.H.	Index-based incremental language model for scalable directory assistance	2012	Vol. 54	Issue 3	351-367
Mori, Hiroki ; et al.	Constructing a spoken dialogue corpus for studying paralinguistic information in expressive conversation and analyzing its statistical/acoustic characteristics	2011	Vol. 53	Issue 1	36-50
Morise, Masanori	CheapTrick, a spectral envelope estimator for high-quality speech synthesis	2015	Vol. 67		1-7
Morise, Masanori	D4C, a band-a-periodicity estimator for high-quality speech synthesis	2016	Vol. 84		57-65
Morrison, Geoffrey Stewart	A comparison of procedures for the calculation of forensic likelihood ratios from acoustic–phonetic data: Multivariate kernel density (MVKD) versus Gaussian mixture model–universal background model (GMM–UBM)	2011	Vol. 53	Issue 2	242-256
Morrison, Geoffrey Stewart ; Enzinger, Ewald	Multi-laboratory evaluation of forensic voice comparison systems under conditions reflecting those of a real forensic case (forensic_eval_01) – Introduction. (Editorial)	2016	Vol. 85		119-126
Morrison, Geoffrey Stewart ; Enzinger, Ewald	Multi-laboratory evaluation of forensic voice comparison systems under	2019	Vol. 112		37-39

	conditions reflecting those of a real forensic case (forensic_eval_01) – Conclusion. (Editorial)				
Morrison, Geoffrey Stewart ; Kelly, Finnian	A statistical procedure to adjust for time-interval mismatch in forensic voice comparison.	2019	Vol. 112		15-21
Morrison, Geoffrey Stewart ; Lindh, Jonas ; Curran, James M.	Likelihood ratio calculation for a disputed-utterance analysis with limited available data	2014	Vol. 58		81-90
Moungsri, Decha ; Koriyama, Tomoki ; Kobayashi, Takao	GPR-based Thai speech synthesis using multi-level duration prediction	2018	Vol. 99		114-123
Mowlae, Pejman ; Saeidi, Rahim ; Stylianou, Yannis	Advances in phase-aware signal processing in speech communication.	2016	Vol. 81		1-29
Mowlae, Pejman ; Stahl, Johannes ; Kulmer, Josef	Iterative joint MAP single-channel speech enhancement given non-uniform phase prior	2017	Vol. 86		85-96
Mowlae, Pejman ; Stahl, Johannes K.W.	Single-channel speech enhancement with correlated spectral components: Limits-potential	2020	Vol. 121		58-69
Müller, Florian ; Mertins, Alfred	Contextual invariant-integration features for improved speaker-independent speech recognition	2011	Vol. 53	Issue 6	830-841
Munro, Murray J. ; Derwing, Tracey M. ; Burgess, Clifford S.	Detection of nonnative speaker status from content-masked speech	2010	Vol. 52	Issue 7-8	626-637
Murtola, Tiina ; et al.	Parameterization of a computational physical model for glottal flow using inverse filtering and high-speed videoendoscopy	2018	Vol. 96		67-80
Murtola, Tiina ; et al.	Analysis of phonation onsets in vowel production, using information from glottal area and flow estimate	2019	Vol. 109		55-65
Nagata, Tomohiro ; Mori, Hiroki ; Nose, Takashi	Dimensional paralinguistic information control based on multiple-regression HSMM for spontaneous dialogue speech synthesis with robust parameter estimation	2017	Vol. 88		137-148
Nagy, Péter ; Némethy, Géza	Improving HMM speech synthesis of interrogative sentences by pitch track transformations	2016	Vol. 82		97-112
Najafian, Maryam ; Russell, Martin	Automatic accent identification as an analytical tool for accent robust automatic speech recognition	2020	Vol. 122		44-55
Najnin, Shamima ; Banerjee, Bonny	A predictive coding framework for a developmental agent: Speech motor skill acquisition and speech production	2017	Vol. 92		24-41
Najnin, Shamima ; Banerjee, Bonny	Speech recognition using cepstral articulatory features	2019	Vol. 107		26-37
Nakagawa, Seiichi ; et al.	A robust/fast spoken term detection method based on a syllable n-gram index with a distance metric	2013	Vol. 55	Issue 3	470-485

Nakamura, Keigo ; et al.	Speaking-aid systems using GMM-based voice conversion for electrolaryngeal speech	2012	Vol. 54	Issue 1	134-146
Nam, Kyoung Won ; et al.	Clinical evaluation of the performance of a blind source separation algorithm combining beamforming and independent component analysis in hearing aid use	2013	Vol. 55	Issue 4	544-552
Narendra, N. P. ; Alku, Paavo	Automatic intelligibility assessment of dysarthric speech using glottal parameters	2020	Vol. 123		1-9
Narendra, N.P. ; Alku, Paavo	Dysarthric speech classification from coded telephone speech using glottal features	2019	Vol. 110		47-55
Narendra, N.P. ; et al.	Estimation of the glottal source from coded telephone speech using deep neural networks	2019	Vol. 106		95-104
Narendra, N.P. ; Sreenivasa Rao, K.	Time-domain deterministic plus noise model based hybrid source modeling for statistical parametric speech synthesis	2016	Vol. 77		65-83
Nathwani, Karan ; et al.	Speech intelligibility improvement in car noise environment by voice transformation	2017	Vol. 91		17-27
Neiberg, Daniel ; Salvi, Giampiero ; Gustafson, Joakim	Semi-supervised methods for exploring the acoustics of simple productive feedback	2013	Vol. 55	Issue 3	451-469
Neves, Eder Pereira ; et al.	Model predictive PESQ-ANFIS/FUZZY C-MEANS for image-based speech signal evaluation	2023	Vol. 154		102972
Ngo, Thuanvan ; Akagi, Masato ; Birkholz, Peter	Effect of articulatory and acoustic features on the intelligibility of speech in noise: An articulatory synthesis study	2020	Vol. 117		13-20
Ngo, Thuanvan ; Kubo, Rieko ; Akagi, Masato	Increasing speech intelligibility and naturalness in noise based on concepts of modulation spectrum and modulation transfer function	2021	Vol. 135		11-24
Ní Chiosáin, Máire ; Welby, Pauline ; Espesser, Robert	Is the syllabification of Irish a typological exception? An experimental study	2012	Vol. 54	Issue 1	68-91
Nicolson, Aaron ; Paliwal, Kuldip K.	Deep learning for minimum mean-square error approaches to speech enhancement	2019	Vol. 111		44-55
Nicolson, Aaron ; Paliwal, Kuldip K.	Masked multi-head self-attention for causal speech enhancement	2020	Vol. 125		80-96
Niekerk, Daniel R. van ; et al.	Simulating vocal learning of spoken language: Beyond imitation	2023	Vol. 147		51-62
Niewiarowicz, Marek ; et al.	Speech intelligibility deterioration for normal hearing and hearing impaired patients with different types of tinnitus	2022	Vol. 139		35-44
Nikunen, Joonas ; et al.	Binaural rendering of microphone array captures based on source separation	2016	Vol. 76		157-169
Ning, Li-Hsin ; Shih,Chilin ; Loucks, Torrey M.	Mandarin tone learning in L2 adults: A test of perceptual and sensorimotor contributions	2014	Vol. 63-64		55-69
Nirme, Jens ; et al.	Audio-visual speech comprehension in noise with real and virtual speakers	2020	Vol. 116		44-55

Norouzian, Atta ; Rose, Richard	An approach for efficient open vocabulary spoken term detection	2014	Vol. 57		50-62
Norrenbrock, Christoph R. ; et al.	Quality prediction of synthesized speech based on perceptual quality dimensions	2015	Vol. 66		17-35
Nose, Takashi ; Kobayashi, Takao	Speaker-independent HMM-based voice conversion using adaptive quantization of the fundamental frequency	2011	Vol. 53	Issue 7	973-985
Nose, Takashi ; Kobayashi, Takao	Very low bit-rate F0 coding for phonetic vocoders using MSD-HMM with quantized F0 symbols	2012	Vol. 54	Issue 3	384-392
Nose, Takashi ; Kobayashi, Takao	An intuitive style control technique in HMM-based expressive speech synthesis using subjective style intensity and multiple-regression global variance model	2013	Vol. 55	Issue 2	347-357
Nosratighods, Mohaddeseh ; et al.	A segment selection technique for speaker verification	2010	Vol. 52	Issue 9	753-761
Nower, Naushin ; Liu, Yang ; Unoki, Masashi	Restoration scheme of instantaneous amplitude and phase using Kalman filter with efficient linear prediction for speech enhancement	2015	Vol. 70		13-27
O'Shaughnessy, Douglas	Review of analysis methods for speech applications	2023	Vol. 151		64-75
O'Carroll, Sinead ; Nicoladis, Elena ; Smithson, Lisa	The effect of extroversion on communication: Evidence from an interlocutor visibility manipulation	2015	Vol. 69		1-8
Oba, Takanobu ; Hori, Takaaki ; Nakamura, Atsushi	Efficient training of discriminative language models by sample selection	2012	Vol. 54	Issue 6	791-800
Ogawa, Atsunori ; Hori, Takaaki	Error detection and accuracy estimation in automatic speech recognition using deep bidirectional recurrent neural networks	2017	Vol. 89		70-83
Ogawa, Atsunori ; Nakamura, Atsushi	Joint estimation of confidence and error causes in speech recognition	2012	Vol. 54	Issue 9	1014-1028
Ohta, Kengo ; Nishimura, Ryota ; Kitaoka, Norihide	Response type selection for chat-like spoken dialog systems based on LSTM and multi-task learning	2021	Vol. 133		23-30
Okamoto, Takuma ; et al.	Neural speech-rate conversion with multispeaker WaveNet vocoder	2022	Vol. 138		1-12
Oliveira, Chaina S. ; et al.	A two-level Item Response Theory model to evaluate speech synthesis and recognition	2022	Vol. 137		19-34
Oonishi, Tasuku ; Iwano, Koji ; Furui, Sadaoki	A noise-robust speech recognition approach incorporating normalized speech/non-speech likelihood into hypothesis scores	2013	Vol. 55	Issue 2	377-386
Ooster, Jasper ; et al.	Evaluation of an automated speech-controlled listening test with spontaneous and read responses	2018	Vol. 98		85-94
Oosthuizen, Dirk J.J. ; Hanekom, Johan J.	Information transmission analysis for continuous speech features	2016	Vol. 82		53-66
Orduña-Bustamante, Felipe ; Padilla-Ortiz, A.L. ; Torres-Gallegos, Edgar A.	Binaural speech intelligibility through personal and non-personal HRTF via headphones, with added artificial noise and reverberation	2018	Vol. 105		53-61
Origlia, A. ; Cutugno, F. ; Galatà, V.	Continuous emotion recognition with phonetic syllables	2014	Vol. 57		155-169

Osawa, Eri ; et al.	Effect of prior exposure on the perception of Japanese vowel length contrast in reverberation for nonnative listeners	2021	Vol. 134		1-11
Ouni, Slim ; Gris, Guillaume	Dynamic lip animation from a limited number of control points: Towards an effective audiovisual spoken communication	2018	Vol. 96		49-57
Oura, Keiichiro ; et al.	Analysis of unsupervised cross-lingual speaker adaptation for HMM-based speech synthesis using KLD-based transform mapping	2012	Vol. 54	Issue 6	703-714
Ozimek, Edward ; et al.	Speech intelligibility for different spatial configurations of target speech and competing noise source in a horizontal and median plane	2013	Vol. 55	Issue 10	1021-1032
Ozimek, Edward ; Kutzner, Dariusz ; Libiszewski, Paweł	Speech intelligibility tested by the Pediatric Matrix Sentence test in 3–6 year old children	2012	Vol. 54	Issue 10	1121-1131
Pakhomov, Serguei V.S. ; et al.	Using automatic speech recognition to assess spoken responses to cognitive tests of semantic verbal fluency	2015	Vol. 75		14-26
Palaparthi, Anil ; Titze, Ingo R.	Analysis of glottal inverse filtering in the presence of source-filter interaction	2020	Vol. 123		98-108
Palaz, Dimitri ; Magimai-Doss, Mathew ; Collobert, Ronan	End-to-end acoustic modeling using convolutional neural networks for HMM-based automatic speech recognition	2019	Vol. 108		15-32
Paliwal, Kuldip ; Schwerin, Belinda ; Wójcicki, Kamil	Role of modulation magnitude and phase spectrum towards speech intelligibility	2011	Vol. 53	Issue 3	327-339
Paliwal, Kuldip ; Schwerin, Belinda ; Wójcicki, Kamil	Speech enhancement using a minimum mean-square error short-time spectral modulation magnitude estimator	2012	Vol. 54	Issue 2	282-305
Paliwal, Kuldip ; Wójcicki, Kamil ; Schwerin, Belinda	Single-channel speech enhancement using spectral subtraction in the short-time modulation domain	2010	Vol. 52	Issue 5	450-475
Paliwal, Kuldip ; Wójcicki, Kamil ; Shannon, Benjamin	The importance of phase in speech enhancement	2011	Vol. 53	Issue 4	465-494
Palo, Hemanta Kumar ; Subudhiray, Swapna ; Das, Niva	The amalgamation of wavelet packet information gain entropy tuned source and system parameters for improved speech emotion recognition	2023	Vol. 149		11-28
Palomäki, Kalle J. ; Brown, Guy J.	A computational model of binaural speech recognition: Role of across-frequency vs. within-frequency processing and internal noise	2011	Vol. 53	Issue 6	924-940
Pape, Daniel ; Jesus, Luis M.T. ; Birkholz, Peter	Intervocalic fricative perception in European Portuguese: An articulatory synthesis study	2015	Vol. 74		93-103
Parchami, Mahdi ; Amindavar, Hamidreza ; Zhu, Wei-Ping	Speech reverberation suppression for time-varying environments using weighted prediction error method with time-varying autoregressive model	2019	Vol. 109		1-14
Parchami, Mahdi ; Zhu, Wei-Ping ; Champagne, Benoît	Speech dereverberation using weighted prediction error with correlated inter-frame speech components	2017	Vol. 87		49-57

Parchami, Mahdi ; Zhu, Wei-Ping ; Champagne, Benoît	Model-based estimation of late reverberant spectral variance using modified weighted prediction error method	2017	Vol. 92		100-113
Pardede, Hilman F. ; Iwano, Koji ; Shinoda, Koichi	Feature normalization based on non-extensive statistics for speech recognition	2013	Vol. 55	Issue 5	587-599
Park, Seongjin ; Warner, Natasha	The role of probability and duration in perception of speech sounds	2023	Vol. 152		102950
Pascual, Santiago ; Serrà, Joan ; Bonafonte, Antonio	Time-domain speech enhancement using generative adversarial networks	2019	Vol. 114		10-21
Pastoriza-Domínguez, Patricia ; et al.	Speech pause distribution as an early marker for Alzheimer’s disease	2022	Vol. 136		107-117
Patel, Rupal ; Kember, Heather ; Natale, Sara	Feasibility of augmenting text with visual prosodic cues to enhance oral reading	2014	Vol. 65		109-118
Patel, Rupal ; McNab, Catherine	Displaying prosodic text to enhance expressive oral reading	2011	Vol. 53	Issue 3	431-441
Patil, Sanjay A. ; Hansen, John H.L.	The physiological microphone (PMIC): A competitive alternative for speaker assessment in stress detection and speaker verification	2010	Vol. 52	Issue 4	327-340
Patil, Sanjay P. ; Gowdy, John N.	Use of baseband phase structure to improve the performance of current speech enhancement algorithms	2015	Vol. 67		78-91
Paulmann, Silke ; Titone, Debra ; Pell, Marc D.	How emotional prosody guides your way: Evidence from eye movements	2012	Vol. 54	Issue 1	92-107
Pavez, Eduardo ; Silva, Jorge F.	Analysis and design of Wavelet-Packet Cepstral coefficients for automatic speech recognition	2012	Vol. 54	Issue 6	814-835
Pawlik, Łukasz ; et al.	A method for improving bot effectiveness by recognising implicit customer intent in contact centre conversations	2022	Vol. 143		33-45
Pélissier, Maud ; Ferragne, Emmanuel	The N400 reveals implicit accent-induced prejudice	2022	Vol. 137		114-126
Peng, Jianxin ; Bei, Chengxun ; Haitao; Sun	Relationship between Chinese speech intelligibility and speech transmission index in rooms based on auralization	2011	Vol. 53	Issue 7	986-990
Peng, Renhua ; et al.	A perceptually motivated LP residual estimator in noisy and reverberant environments	2018	Vol. 96		129-141
Pérez-Ramón, Rubén ; Cooke, Martin ; García Lecumberri, María Luisa	Is segmental foreign accent perceived categorically?	2020	Vol. 117		28-37
Pérez-Ramón, Rubén ; García Lecumberri, María Luisa ; Cooke, Martin	Foreign accent strength and intelligibility at the segmental level	2022	Vol. 137		70-76
Pérez-Toro, Paula Andrea ; et al.	Depression assessment in people with Parkinson’s disease: The combination of acoustic features and natural language processing	2022	Vol. 145		10-20
Pertilä, Pasi ; Nikunen, Joonas	Distant speech separation using predicted time–frequency masks from spatial features	2015	Vol. 68		97-106

Pfeifenberger, Lukas ; Pernkopf, Franz	Blind Speech Separation and Dereverberation using neural beamforming	2022	Vol. 140		29-41
Pham, Van Tung ; et al.	Re-ranking spoken term detection with acoustic exemplars of keywords	2018	Vol. 104		12-23
Phan, Raphaël C.-W. ; et al.	Strengthening speech content authentication against tampering	2021	Vol. 129		41-57
Pichevar, Ramin ; et al.	Auditory-inspired sparse representation of audio signals	2011	Vol. 53	Issue 5	643-657
Pichitpornchai, Chailerd ; Arunphalungsanti, Kittipun	Effects of spoken Thai word-durations on brain recognition processing: An auditory event-related potential study	2016	Vol. 85		1-7
Ping, Huang ; Yafeng, Wu	Single-channel speech enhancement using improved progressive deep neural network and masking-based harmonic regeneration	2022	Vol. 145		36-46
Plug, Leendert ; Lennon, Robert ; Gold, Erica	Articulation rates' inter-correlations and discriminating powers in an English speech corpus	2021	Vol. 132		40-54
Poblete, Víctor ; Becerra Yoma, Néstor ; Stern, Richard M.	Optimization of the parameters characterizing sigmoidal rate-level functions based on acoustic features	2014	Vol. 56		19-34
Počta, Peter ; Beerends, John G.	Subjective and objective measurement of synthesized speech intelligibility in modern telephone conditions	2015	Vol. 71		1-9
Polyáková, Tatyana ; Bonafonte, Antonio	Introducing nativization to Spanish TTS systems	2011	Vol. 53	Issue 8	1026-1041
Polzehl, Tim ; et al.	Anger recognition in speech using acoustic and linguistic cues	2011	Vol. 53	Issue 9-10	1198-1209
Poorjam, Amir Hossein ; et al.	Automatic quality control and enhancement for voice-based remote Parkinson's disease detection	2021	Vol. 127		1-16
Prafianto, Hafiyah ; et al.	Improving human scoring of prosody using parametric speech synthesis	2019	Vol. 111		14-21
Pramanik, Subhojeet ; Hussain, Aman	Text normalization using memory augmented neural networks	2019	Vol. 109		15-23
Prendergast, Garreth ; Johnson, Sam R. ; Green, Gary G.R.	Extracting amplitude modulations from speech in the time domain	2011	Vol. 53	Issue 6	903-913
Prieto, Pilar ; et al.	Phonotactic and phrasal properties of speech rhythm. Evidence from Catalan, English, and Spanish	2012	Vol. 54	Issue 6	681-702
Proença, Jorge ; et al.	Automatic evaluation of reading aloud performance in children	2017	Vol. 94		1-14
Pucher, Michael ; et al.	Modeling and interpolation of Austrian German and Viennese dialect in HMM-based speech synthesis	2010	Vol. 52	Issue 2	164-179
Pucher, Michael ; et al.	Accuracy, recording interference, and articulatory quality of headsets for ultrasound recordings	2020	Vol. 123		83-97
Pucher, Michael ; et al.	Perceptual effects of interpolated Austrian and German standard varieties	2022	Vol. 141		107-120
Qasim, Muhammad ; et al.	DESCU: Dyadic emotional speech corpus and recognition system for Urdu	2023	Vol. 148		40-52

	language				
Qian, Yanmin ; Chang, Xuankai ; Yu, Dong	Single-channel multi-talker speech recognition with permutation invariant training	2018	Vol. 104		1-11
Qian, Yanmin ; Chen, Nanxin ; Yu, Kai	Deep features for automatic spoofing detection	2016	Vol. 85		43-52
Qian, Yanmin ; Hu, Hu ; Tan, Tian	Data augmentation using generative adversarial networks for robust speech recognition	2019	Vol. 114		1-9
Qin, Zhen	The Second-Language Productivity of Two Mandarin Tone Sandhi Patterns	2022	Vol. 138		98-109
Qiu, Wei ; Li, Bing-Zhao ; Li, Xue-Wen	Speech recovery based on the linear canonical transform	2013	Vol. 55	Issue 1	40-50
Quené, Hugo ; Delft, L.E. van	Non-native durational patterns decrease speech intelligibility	2010	Vol. 52	Issue 11-12	911-918
Quené, Hugo ; Semin, Gün R. ; Foroni, Francesco	Audible smiles and frowns affect speech comprehension	2012	Vol. 54	Issue 7	917-922
Qun, He ; Liu, Wenjing ; Cai, Zhangli	B&Anet: Combining bidirectional LSTM and self-attention for end-to-end learning of task-oriented dialogue system	2020	Vol. 125		15-23
Raab, Martin ; Gruhn, Rainer ; Nöth, Elmar	A scalable architecture for multilingual speech recognition on embedded devices	2011	Vol. 53	Issue 1	62-74
Raitio, Tuomo ; et al.	Phase perception of the glottal excitation and its relevance in statistical parametric speech synthesis.	2016	Vol. 81		104-119
Rajan, Rajeev ; Murthy, Hema A.	Two-pitch tracking in co-channel speech using modified group delay functions	2017	Vol. 89		37-46
Ram, Dhananjay ; Asaei, Afsaneh ; Bourlard, Hervé	Phonetic subspace features for improved query by example spoken term detection	2018	Vol. 103		27-36
Ramteke, Pravin Bhaskar ; Koolagudi, Shashidhar G.	Phoneme boundary detection from speech: A rule based approach	2019	Vol. 107		1-17
Ranjan, Shivesh ; Hansen, John H.L.	Curriculum Learning based approaches for robust end-to-end far-field speech recognition	2021	Vol. 132		123-131
Rantanen, Antti ; et al.	Verbalization has regulatory influences on autonomic activity during recall of unpleasant experience	2021	Vol. 126		1-8
Raposo de Medeiros, Beatriz ; et al.	A comparative study of fundamental frequency stability between speech and singing	2021	Vol. 128		15-23
Räsänen, Okko	Computational modeling of phonetic and lexical learning in early language acquisition: Existing models and future directions	2012	Vol. 54	Issue 9	975-997
Räsänen, Okko ; et al.	Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech	2019	Vol. 113		63-80
Rasilo, Heikki ; Räsänen, Okko	An online model for vowel imitation learning	2017	Vol. 86		1-23

Rasilo, Heikki ; Räsänen, Okko ; Laine, Unto K.	Feedback and imitation by a caregiver guides a virtual infant to learn native phonemes and the skill of speech inversion	2013	Vol. 55	Issue 9	909-931
Rasipuram, Ramya ; Magimai Doss, Mathew	Acoustic and lexical resource constrained ASR using language-independent acoustic model and language-dependent probabilistic lexical model	2015	Vol. 68		23-40
Rathcke, Tamara ; et al.	The beauty in a beast: Minimising the effects of diverse recording quality on vowel formant measurements in sociophonetic real-time studies	2017	Vol. 86		24-41
Ravanelli, Mirco ; Omologo, Maurizio	Automatic context window composition for distant speech recognition	2018	Vol. 101		34-44
Razavi, Marzieh ; Rasipuram, Ramya ; Magimai Doss, Mathew	Acoustic data-driven grapheme-to-phoneme conversion in the probabilistic lexical modeling framework	2016	Vol. 80		1-21
Razavi, Marzieh ; Rasipuram, Ramya ; Magimai Doss, Mathew	Towards weakly supervised acoustic subword unit discovery and lexicon development using hidden Markov models	2018	Vol. 96		168-183
Recasens, Daniel	A cross-language acoustic study of initial and final allophones of /l/	2012	Vol. 54	Issue 3	368-383
Recasens, Daniel ; Rodríguez, Clara	Contextual and syllabic effects in heterosyllabic consonant sequences. An ultrasound study	2018	Vol. 96		150-167
Recasens, Daniel ; Rodríguez, Clara	An ultrasound study of contextual and syllabic effects in consonant sequences produced under heavy articulatory constraint conditions	2018	Vol. 105		34-52
Reddy, Mittapalle Kiran ; et al.	Glottal flow characteristics in vowels produced by speakers with heart failure	2022	Vol. 137		35-43
Reichel, Uwe D., Beňuš, Štefan ; Mády, Katalin	Entrainment profiles: Comparison by gender, role, and feature set	2018	Vol. 100		46-57
Rengaswamy, Pradeep ; et al.	Robust f_0 extraction from monophonic signals using adaptive sub-band filtering	2020	Vol. 116		77-85
Reubold, Ulrich ; Harrington, Jonathan ; Kleber, Felicitas	Vocal aging effects on F0 and the first formant: A longitudinal analysis in adult speakers	2010	Vol. 52	Issue 7-8	638-651
Réveil, Bert ; Martens, Jean-Pierre ; Heuvel, H. van den	Improving proper name recognition by means of automatically learned pronunciation variants	2012	Vol. 54	Issue 3	321-340
Ri, Hyön-sun ; Ri, Jong Chol	Subspace Gaussian mixture based language modeling for large vocabulary continuous speech recognition	2020	Vol. 117		21-27
Riaz, Areeb ; Shi, Xiyu ; Kondoz, Ahmet	Adaptive blind moving source separation based on intensity vector statistics	2019	Vol. 113		1-14
Ribeiro, Manuel Sam ; et al.	Exploiting ultrasound tongue imaging for the automatic detection of speech articulation errors	2021	Vol. 128		24-34
Ribeiro, Vinicius ; et al.	Automatic generation of the complete vocal tract shape from the sequence of phonemes to be articulated	2022	Vol. 141		1-13
Riedhammer, Korbinian ; Favre, Benoit ; Hakkani-Tür, Dilek	Long story short – Global unsupervised models for keyphrase based meeting summarization	2010	Vol. 52	Issue 10	801-815

Rigoulot, Simon ; Pell, Marc D.	Emotion in the voice influences the way we scan emotional faces	2014	Vol. 65		36-49
Roche, Jennifer M. ; Peters, Brett ; Dale, Rick	“Your Tone Says It All”: The processing and interpretation of affective language	2015	Vol. 66		47-64
Rodríguez, William R. ; Saz, Oscar ; Lleida, Eduardo	A prelingual tool for the education of altered voices	2012	Vol. 54	Issue 5	583-600
Romoli, Laura ; Cecchi, Stefania ; Piazza, Francesco	Multichannel acoustic echo cancellation exploiting effective fundamental frequency estimation	2017	Vol. 86		97-106
Rostami, Amir Mohammad ; Karimi, Ali ; Akhaee, Mohammad Ali	Keyword spotting in continuous speech using convolutional neural network	2022	Vol. 142		15-21
Rothermich, Kathrin ; et al.	Listener impressions of foreigner-directed speech: A systematic review	2019	Vol. 112		22-29
Rout, Jayant Kumar ; Pradhan, Gayadhar	Enhancement of formant regions in magnitude spectra to develop children’s KWS system in zero resource scenario	2022	Vol. 144		101-109
Rowbotham, Samantha ; et al.	Handling pain: The semantic interplay of speech and co-speech hand gestures in the description of pain sensations	2014	Vol. 57		244-256
Roy, Sujan Kumar ; Nicolson, Aaron ; Paliwal, Kuldip K.	On supervised LPC estimation training targets for augmented Kalman filter-based speech enhancement	2022	Vol. 142		49-60
Ruch, Hanna	Dialect contact in real interactions and in an agent-based model	2021	Vol. 134		55-70
Rudzicz, Frank	Using articulatory likelihoods in the recognition of dysarthric speech	2012	Vol. 54	Issue 3	430-444
Rudzicz, Frank ; et al.	Acoustic-articulatory relationships and inversion in sum-product and deep-belief networks	2016	Vol. 79		61-73
Rugchatjaroen, Anocha ; et al.	Efficient two-stage processing for joint sequence model-based Thai grapheme-to-phoneme conversion	2019	Vol. 106		105-111
Rusiewicz, Heather Leavy ; et al.	Effects of perturbation and prosody on the coordination of speech and gesture	2014	Vol. 57		283-300
Sadasivan, Jishnu ; Dhiman, Jitendra K. ; Seelamantula, Chandra Sekhar	Musical noise suppression using a low-rank and sparse matrix decomposition approach	2020	Vol. 125		41-52
Sadasivan, Jishnu ; Seelamantula, Chandra Sekhar ; Muraka, Nagarjuna Reddy	Speech Enhancement Using a Risk Estimation Approach	2020	Vol. 116		12-29
Sadeghi, Vahid	The intonation of Persian polar questions	2022	Vol. 145		47-70
Sadeghian, Amir ; Dajani, Hilmi R. ; Chan, Adrian D.C.	Classification of speech-evoked brainstem responses to English vowels	2015	Vol. 68		69-84
Sadjadi, Seyed Omid ; Hansen, John H.L.	Mean Hilbert envelope coefficients (MHEC) for robust speaker and language identification	2015	Vol. 72		138-148
Sadok, Samir ; et al.	Learning and controlling the source-filter representation of speech with a	2023	Vol. 148		53-65

	variational autoencoder				
Sadoughi, Najmeh ; Busso, Carlos	Speech-driven animation with meaningful behaviors	2019	Vol. 110		90-100
Sadoughi, Najmeh ; Liu, Yang ; Busso, Carlos	Meaningful head movements driven by emotional synthetic speech	2017	Vol. 95		87-99
Saeed, Ayesha ; et al.	A novel multi-speakers Urdu singing voices synthesizer using Wasserstein Generative Adversarial Network	2022	Vol. 137		103-113
Saha, P. ; Laskar, R.H. ; Laskar, A.	A pre-processing method for improvement of vowel onset point detection under noisy conditions	2016	Vol. 80		71-83
Sahidullah, Md. ; Saha, Goutam	Design, analysis and experimental evaluation of block based transformation in MFCC computation for speaker recognition	2012	Vol. 54	Issue 4	543-565
Saki, Fatemeh ; Bhattacharya, Aditya ; Kehtarnavaz, Nasser	Real-time Simulink implementation of noise adaptive speech processing pipeline of cochlear implants	2018	Vol. 96		197-206
Salah-Eddine, Cheraitia ; Bouzid, Merouane	Robust coding of wideband speech immittance spectral frequencies	2014	Vol. 65		94-108
Sánchez-Gutiérrez, Máximo E. ; González-Pérez, Pedro P.	Discriminative neural network pruning in a multiclass environment: A case study in spoken emotion recognition	2020	Vol. 120		20-30
Sangwan, Abhijeet ; Hansen, John H.L.	Automatic analysis of Mandarin accented English using phonological features	2012	Vol. 54	Issue 1	40-54
Santos, João F. ; et al.	Objective speech intelligibility measurement for cochlear implant users in complex listening environments	2013	Vol. 55	Issue 7-8	815-824
Saon, George ; Soltau, Hagen	Boosting systems for large vocabulary continuous speech recognition	2012	Vol. 54	Issue 2	212-218
Saranya, M.S. ; Padmanabhan, R. ; Murthy, Hema A.	Feature-switching: Dynamic feature selection for an i-vector based speaker verification system	2017	Vol. 93		53-62
Saratxaga, Ibon ; et al.	Synthetic speech detection using phase information.	2016	Vol. 81		30-41
Sarma, Biswajit D. ; Prasanna, S. R. Mahadeva ; Sarmah, Priyankoo	Consonant-vowel unit recognition using dominant aperiodic and transition region detection	2017	Vol. 92		77-89
Sarría-Paja, Milton ; Falk, Tiago H.	Fusion of bottleneck, spectral and modulation spectral features for improved speaker verification of neutral and whispered speech	2018	Vol. 102		78-86
Sasou, Akira	Glottal inverse filtering by combining a constrained LP and an HMM-based generative model of glottal flow derivative	2018	Vol. 104		113-128
Sato, Marc ; et al.	On the tip of the tongue: Modulation of the primary motor cortex during audiovisual speech perception	2010	Vol. 52	Issue 6	533-541
Scharenborg, Odette ; Os, Marjolein van	Why listening in background noise is harder in a non-native language than in a native language: A review	2019	Vol. 108		53-64
Schlippe, Tim ; Ochs, Sebastian ; Schultz, Tanja	Web-based tools and methods for rapid pronunciation dictionary creation	2014	Vol. 56		101-118

Schmitt, Alexander ; Ultes, Stefan	Interaction Quality: Assessing the quality of ongoing spoken dialog interaction by experts—And how it relates to user satisfaction	2015	Vol. 74		12-36
Schnell, Bastian ; Garner, Philip N.	Investigating a neural all pass warp in modern TTS applications	2022	Vol. 138		26-37
Schoenenberg, Katrin ; et al.	On interaction behaviour in telephone conversations under transmission delay	2014	Vol. 63-64		1-14
Schuller, Björn ; Batliner, Anton ; Steidl, Stefan	Introduction to the special issue on sensing emotion and affect – Facing realism in speech processing. (Editorial)	2011	Vol. 53	Issue 9-10	1059-1061
Schuller, Björn ; et al.	Recognising realistic emotions and affect in speech: State of the art and lessons learnt from the first challenge	2011	Vol. 53	Issue 9-10	1062-1087
Schultz, Tanja ; Wand, Michael	Modeling coarticulation in EMG-based continuous speech recognition	2010	Vol. 52	Issue 4	341-353
Schüppert, Anja ; Hilton, Nanna H. ; Gooskens, Charlotte	Why is Danish so difficult to understand for fellow Scandinavians?	2016	Vol. 79		47-60
Schuppler, Barbara ; Hagsmüller, Martin ; Zahrer, Alexander	A corpus of read and conversational Austrian German	2017	Vol. 94		62-74
Schweitzer, Katrin ; et al.	Exploring the relationship between intonation and the lexicon: Evidence for lexicalised storage of intonation	2015	Vol. 66		65-81
Schwerin, Belinda ; Paliwal, Kuldip	Using STFT real and imaginary parts of modulation signals for MMSE-based speech enhancement	2014	Vol. 58		49-68
Schwerin, Belinda ; Paliwal, Kuldip	An improved speech transmission index for intelligibility prediction	2014	Vol. 65		9-19
Sciamarella, D. ; Artana, G.	Relaxation to one-dimensional postglottal flow in a vocal fold model	2015	Vol. 66		176-181
Scott, Mark ; Idrissi, Ali	Audiovisual perception of gemination and pharyngealization in Arabic	2018	Vol. 98		17-27
Sebastian, Jilt ; Manoj Kumar, P. A. ; Murthy, Hema A.	An analysis of the high resolution property of group delay function with applications to audio signal processing.	2016	Vol. 81		42-53
Sepúlveda, Alexander ; Guido, Rodrigo Capobianco ; Castellanos-Dominguez, G.	Estimation of relevant time–frequency features using Kendall coefficient for articulator position inference	2013	Vol. 55	Issue 1	99-110
Sergidou, Eleni-Konstantina ; et al.	Frequent-words analysis for forensic speaker comparison	2023	Vol. 150		1-8
Settibhaktini, Harshavardhan ; Chintanpalli, Ananthakrishna	Modeling concurrent vowel identification for shorter durations	2020	Vol. 125		1-6
Seyedin, Sanaz ; Gazor, Saeed ; Ahadi, Seyed Mohammad	On the distribution of Mel-filtered log-spectrum of speech in additive noise	2015	Vol. 67		8-25
Sezgin, Cenk ; Gonsel, Bilge ; Krajewski, Jarek	Medium term speaker state detection by perceptually masked spectral features	2015	Vol. 67		26-41
Shahin, Mostafa ; Ahmed, Beena	Anomaly detection based pronunciation verification approach using speech	2019	Vol. 111		29-43

	attribute features				
Shahin, Mostafa ; et al.	Tabby Talks: An automated tool for the assessment of childhood apraxia of speech	2015	Vol. 70		49-64
Shahnawazuddin, S. ; et al.	Improving children’s mismatched ASR using structured low-rank feature projection	2018	Vol. 105		103-113
Sharma, Bidisha ; et al.	NHSS: A speech and singing parallel database	2021	Vol. 133		9-22
Sharma, Bidisha ; Prasanna, S. R. Mahadeva	Significance of sonority information for voiced/unvoiced decision in speech synthesis	2018	Vol. 99		201-210
Sharma, Dushyant ; et al.	A data-driven non-intrusive measure of speech quality and intelligibility	2016	Vol. 80		84-94
Sharma, Neeraj Kumar ; Sreenivas, Thippur V.	Time-varying sinusoidal demodulation for non-stationary modeling of speech	2018	Vol. 105		77-91
Sharma, Nitin Mohan ; et al.	Comparative analysis of various feature extraction techniques for classification of speech disfluencies	2023	Vol. 150		23-31
Sharma, Rajib ; Bhukya, Ramesh K. ; Prasanna, S.R.M.	Analysis of the Hilbert Spectrum for Text-Dependent Speaker Verification	2018	Vol. 96		207-224
Sharma, Rajib ; Cohen, Israel ; Benesty, Jacob	Adaptive and hybrid Kronecker product beamforming for far-field speech signals	2020	Vol. 120		42-52
Sharma, Rajib ; et al.	Empirical Mode Decomposition for adaptive AM-FM analysis of Speech: A Review	2017	Vol. 88		39-64
Sharma, Rajib ; et al.	Analysis of the Intrinsic Mode Functions for Speaker Information	2017	Vol. 91		1-16
Shen, Peng ; et al.	Combination of multiple acoustic models with unsupervised adaptation for lecture speech transcription	2016	Vol. 82		1-13
Shi, Yangyang ; et al.	Integrating meta-information into recurrent neural network language models	2015	Vol. 73		64-80
Shi, Yangyang ; Wiggers, Pascal ; Jonker, Catholijn M.	Classifying the socio-situational settings of transcripts of spoken discourses	2013	Vol. 55	Issue 10	988-1002
Shi, Ying ; et al.	Interaction between speech variations and background noise on speech intelligibility by Mandarin-speaking cochlear implant patients	2018	Vol. 104		89-94
Shiamizadeh, Zohreh ; Caspers, Johanna ; Schiller, Niels Olaf	The role of F0 and duration in the identification of wh-in-situ questions in Persian	2017	Vol. 93		11-19
Shinoda, Koichi ; et al.	Semi-synchronous speech and pen input for mobile user interfaces	2011	Vol. 53	Issue 3	283-291
Shirzhiyan, Zahra ; et al.	Objective classification of auditory brainstem responses to consonant-vowel syllables using local discriminant bases	2019	Vol. 114		36-48
Short, Greg ; et al.	Automatic recognition of Japanese vowel length accounting for speaking rate and motivated by perception analysis	2015	Vol. 73		47-63

Short, Greg ; Hirose, Keikichi ; Minematsu, Nobuaki	Japanese lexical accent recognition for a CALL system by deriving classification equations with perceptual experiments	2013	Vol. 55	Issue 10	1064-1080
Shue, Yen-Liang ; et al.	On the acoustic correlates of high and low nuclear pitch accents in American English	2010	Vol. 52	Issue 2	106-122
Sigona, Francesco ; et al.	Assessing the position tracking reliability of Carstens' AG500 and AG501 electromagnetic articulographs during constrained movements and speech tasks	2018	Vol. 104		73-88
Silber-Varod, Vered ; Malayev, Sarit ; Lerner, Anat	Positioning oneself in different roles: Structural and lexical measures of power relations between speakers in Map Task Corpus	2020	Vol. 117		1-12
Silva, Dirceu G. da ; Medina, César A.	Evaluation of MSR Identity Toolbox under conditions reflecting those of a real forensic case (forensic_eval_01)	2017	Vol. 94		42-49
Singh, Bhupendra ; Phartiyal, Gopal Singh	Introducing ISAP and MATSS: Mental stress induced speech utterance procedure and obtained dataset	2022	Vol. 145		1-9
Singh, Maneesh K. ; et al.	Bayesian noise estimation in the modulation domain	2018	Vol. 96		81-92
Singh, Premjeet ; Sahidullah, Md ; Saha, Goutam	Modulation spectral features for speech emotion recognition using deep neural networks	2023	Vol. 146		53-69
Skantze, Gabriel ; Hjalmarsson, Anna ; Oertel, Catharine	Turn-taking, feedback and joint attention in situated human–robot interaction	2014	Vol. 65		50-66
Skowronek, Janto ; Raake, Alexander	Assessment of Cognitive Load, Speech Communication Quality and Quality of Experience for spatial and non-spatial audio conferencing calls	2015	Vol. 66		154-175
Smit, Thorsten ; Türckheim, Friedrich ; Mores, Robert	Fast and robust formant detection from LP data	2012	Vol. 54	Issue 7	893-902
Smorenburg, Laura ; Chen, Aoju	The effect of female voice on verbal processing	2020	Vol. 122		11-18
So, Stephen ; Paliwal, Kuldip K.	Suppressing the influence of additive noise on the Kalman gain for low residual noise speech enhancement	2011	Vol. 53	Issue 3	355-378
So, Stephen ; Paliwal, Kuldip K.	Modulation-domain Kalman filtering for single-channel speech enhancement	2011	Vol. 53	Issue 6	818-829
Soleymani, Roozbeh ; Selesnick, Ivan W. ; Landsberger, David M.	SEDA: A tunable Q-factor wavelet-based noise reduction algorithm for multi-talker babble	2018	Vol. 96		102-115
Song, Peng ; et al.	Cross-corpus speech emotion recognition based on transfer non-negative matrix factorization	2016	Vol. 83		34-41
Soni, Meet H. ; Patil, Hemant A.	Non-intrusive quality assessment of noise-suppressed speech using unsupervised deep features	2021	Vol. 130		27-44
Sørensen, Charlotte ; et al.	Non-intrusive codebook-based intelligibility prediction	2018	Vol. 101		85-93
Sperber, Matthias ; et al.	Transcribing against time	2017	Vol. 93		20-30

Spinu, Laura ; Kochetov, Alexei ; Lilley, Jason	Acoustic classification of Russian plain and palatalized sibilant fricatives: Spectral vs. cepstral measures	2018	Vol. 100		41-45
Sreenivasa Rao, K. ; Vuppala, Anil Kumar	Non-uniform time scale modification using instants of significant excitation and vowel onset points	2013	Vol. 55	Issue 6	745-756
Srinivasan, Soundararajan ; Wang, DeLiang	Robust speech recognition by integrating speech separation and hypothesis testing	2010	Vol. 52	Issue 1	72-81
Stahl, Johannes ; Mowlaee, Pejman	Exploiting temporal correlation in pitch-adaptive speech enhancement	2019	Vol. 111		1-13
Stan, Adriana ; et al.	The Romanian speech synthesis (RSS) corpus: Building a high quality HMM-based speech synthesis system using a high sampling rate	2011	Vol. 53	Issue 3	442-450
Stark, Anthony ; Paliwal, Kuldip	Use of speech presence uncertainty with MMSE spectral energy estimation for robust automatic speech recognition	2011	Vol. 53	Issue 1	51-61
Stark, Anthony ; Paliwal, Kuldip	MMSE estimation of log-filterbank energies for robust speech recognition	2011	Vol. 53	Issue 3	403-416
Stasak, Brian ; Epps, Julien ; Goecke, Roland	Automatic depression classification based on affective read sentences: Opportunities for text-dependent analysis	2019	Vol. 115		1-14
Stasak, Brian ; et al.	Read speech voice quality and disfluency in individuals with recent suicidal ideation or suicide attempt	2021	Vol. 132		10-20
Stehwien, Sabrina ; Schweitzer, Antje ; Vu, Ngoc Thang	Acoustic and temporal representations in convolutional neural network models of prosodic events	2020	Vol. 125		128-141
Stephens, Joseph D.W. ; Holt, Lori L.	A standard set of American-English voiced stop-consonant stimuli from morphed natural speech	2011	Vol. 53	Issue 6	877-888
Story, Brad H. ; Bunton, Kate	Formant measurement in children’s speech based on spectral filtering	2016	Vol. 76		93-111
Story, Brad H. ; Bunton, Kate	An acoustically-driven vocal tract model for stop consonant production	2017	Vol. 87		1-17
Strömbergsson, Sofia ; et al.	Understanding acceptability of disordered speech through Audience Response Systems-based evaluation	2021	Vol. 131		13-22
Sudro, Protima Nomo ; Prasanna, S. R. Mahadeva	Enhancement of cleft palate speech using temporal and spectral processing	2020	Vol. 123		70-82
Sui, Chao ; Togneri, Roberto ; Bennamoun, Mohammed	A cascade gray-stereo visual feature extraction method for visual and audio-visual speech recognition	2017	Vol. 90		26-38
Sun, Chengli ; Zhu, Qi ; Wan, Minghua	A novel speech enhancement method based on constrained low-rank and sparse matrix decomposition	2014	Vol. 60		44-55
Sun, Linhui ; et al.	Joint dictionary learning using a new optimization method for single-channel blind source separation	2019	Vol. 106		85-94
Sun, Linhui ; et al.	Speech emotion recognition based on DNN-decision tree SVM model	2019	Vol. 115		29-37

Sun, Pengfei ; et al.	Speech enhancement in spectral envelope and details subspaces	2018	Vol. 101		57-69
Sun, Qinghua ; Hirose, Keikichi ; Minematsu, Nobuaki	A method for generation of Mandarin F0 contours based on tone nucleus model and superpositional model	2012	Vol. 54	Issue 8	932-945
Sun, Yang ; et al.	Fusion of parametric and non-parametric approaches to noise-robust ASR	2014	Vol. 56		49-62
Sunil Kumar, S.B. ; Sreenivasa Rao, K.	Voice/non-voice detection using phase of zero frequency filtered speech signal.	2016	Vol. 81		90-103
Süslü, Çağıl ; Eren, Eray ; Demiroğlu, Cenk	Uncertainty assessment for detection of spoofing attacks to speaker verification systems using a Bayesian approach	2022	Vol. 137		44-51
Suyanto, Suyanto ; et al.	Indonesian syllabification using a pseudo nearest neighbour rule and phonotactic knowledge	2016	Vol. 85		109-118
Suyanto, Suyanto ; et al.	Erratum to ‘Indonesian syllabification using a pseudo nearest neighbour rule and phonotactic knowledge’ [Speech Communication 85 (2016) 109–118]	2017	Vol. 90		47-47
Suzuki, Masayuki ; et al.	Discriminative re-ranking for automatic speech recognition by leveraging invariant structures	2015	Vol. 72		208-217
Swami, Preety D. ; et al.	Speech enhancement by noise driven adaptation of perceptual scales and thresholds of continuous wavelet transform coefficients	2015	Vol. 70		1-12
Szaszák, György ; Tündik, Máté Ákos ; Gerazov, Branislav	Prosodic stress detection for fixed stress languages using formal atom decomposition and a statistical hidden Markov hybrid	2018	Vol. 102		14-26
Székely, Éva ; et al.	Predicting synthetic voice style from facial expressions. An application for augmented conversations	2014	Vol. 57		63-75
Tachbelie, Martha Yifiru ; Abate, Solomon Teferra ; Besacier, Laurent	Using different acoustic, lexical and language modeling units for ASR of an under-resourced language – Amharic	2014	Vol. 56		181-194
Tachbelie, Martha Yifiru ; Abate, Solomon Teferra ; Schultz, Tanja	Multilingual speech recognition for GlobalPhone languages	2022	Vol. 140		71-86
Tahir, Muhammad Ali ; et al.	Training of reduced-rank linear transformations for multi-layer polynomial acoustic features for speech recognition	2019	Vol. 110		56-63
Tan, Lee Ngee ; Alwan, Abeer	Multi-band summary correlogram-based pitch detection for noisy speech	2013	Vol. 55	Issue 7-8	841-856
Tang, Lisa Y.W. ; et al.	Examining visible articulatory features in clear and plain speech	2015	Vol. 75		1-13
Tang, Yan ; et al.	Evaluating a distortion-weighted glimpsing metric for predicting binaural speech intelligibility in rooms	2016	Vol. 82		26-37
Tang, Yan ; et al.	A non-intrusive method for estimating binaural speech intelligibility from noise-corrupted signals captured by a pair of microphones	2018	Vol. 96		116-128
Tang, Yuwu ; et al.	A bimodal network based on Audio–Text–Interactional–Attention with ArcFace loss for speech emotion recognition	2022	Vol. 143		21-32

Tantibundhit, Charturong ; et al.	Development of a Thai phonetically balanced monosyllabic word recognition test: Derivation of phoneme distribution, word list construction, and response evaluations	2018	Vol. 103		1-10
Tantibundhit, Charturong ; Onsuwan, Chutamanee	Speech intelligibility tests and analysis of confusions and perceptual representations of Thai initial consonants	2015	Vol. 72		109-125
Tao, Duo-Duo ; et al.	The development and validation of the Closed-set Mandarin Sentence (CMS) test	2017	Vol. 92		125-131
Tao, Fei ; Busso, Carlos	End-to-end audiovisual speech activity detection with bimodal recurrent neural models	2019	Vol. 113		25-35
Tavi, Lauri ; Kinnunen, Tomi ; González Hautamäki, Rosa	Improving speaker de-identification with functional data analysis of f0 trajectories	2022	Vol. 140		1-10
Teoh, Andrew Beng Jin ; Chong, Lee-Ying	Secure speech template protection in speaker verification system	2010	Vol. 52	Issue 2	150-163
Themistocleous, Charalambos	Dialect classification using vowel acoustic parameters	2017	Vol. 92		13-22
Themistocleous, Charalambos ; Fyndanis, Valantis ; Tsapkini, Kyrana	Sonorant spectra and coarticulation distinguish speakers with different dialects	2022	Vol. 142		1-14
Thompson, Arthur Lewis ; Do, Youngah	Unconventional spoken iconicity follows a conventional structure: Evidence from demonstrations	2019	Vol. 113		36-46
Tiémounou, Sibiri ; Le Bouquin Jeannès, Régine ; Barriac, Vincent	On the identification of relevant degradation indicators in super wideband listening quality assessment models	2013	Vol. 55	Issue 10	1047-1063
Tilsen, Sam ; Tiede, Mark	Parameters of unit-based measures of speech rate	2023	Vol. 150		73-97
Tisljár-Szabó, Eszter ; Pléh, Csaba	Ascribing emotions depending on pause length in native and foreign language speech	2014	Vol. 56		35-48
Titze, Ingo R.	Where has all the power gone? Energy production and loss in vocalization	2018	Vol. 101		26-33
Tohidypour, Hamid Reza ; et al.	A new representation for speech frame recognition based on redundant wavelet filter banks	2012	Vol. 54	Issue 2	256-271
Toman, Markus ; et al.	Unsupervised and phonologically controlled interpolation of Austrian German language varieties for speech synthesis	2015	Vol. 72		176-193
Tong, Sibó ; Garner, Philip N. ; Bourlard, Hervé	Cross-lingual adaptation of a CTC-based multilingual acoustic model	2018	Vol. 104		39-46
Torreira, Francisco ; Adda-Decker, Martine ; Ernestus, Mirjam	The Nijmegen Corpus of Casual French	2010	Vol. 52	Issue 3	201-212
Torres-Boza, Diana ; et al.	Hierarchical sparse coding framework for speech emotion recognition	2018	Vol. 99		80-89
Tran, Viêt Anh ; et al.	Improvement to a NAM-captured whisper-to-speech system	2010	Vol. 52	Issue 4	314-326
Trawicki, Marek B. ; Johnson, Michael T.	Speech enhancement using Bayesian estimators of the perceptually-motivated	2014	Vol. 57		101-113

	short-time spectral amplitude (STSA) with Chi speech priors				
Treiber, Amos ; et al.	Privacy-preserving PLDA speaker verification using outsourced secure computation	2019	Vol. 114		60-71
Tripathi, Kumud ; Reddy, M. Kiran ; Rao, K. Sreenivasa	Multilingual and multimode phone recognition system for Indian languages	2020	Vol. 119		12-23
Troille, Emilie ; Cathiard, Marie-Agnès ; Abry, Christian	Speech face perception is locked to anticipation in speech production	2010	Vol. 52	Issue 6	513-524
Truesdale, Deirdre M. ; Pell, Marc D.	The sound of Passion and Indifference	2018	Vol. 99		124-134
Truong, Khiet P. ; Leeuwen, David A. van ; Jong, Franciska M.G. de	Speech-based recognition of self-reported and observed emotion in a dimensional space	2012	Vol. 54	Issue 9	1049-1063
Tsao, Yu ; et al.	Ensemble environment modeling using affine transform group	2015	Vol. 68		55-68
Tsao, Yu ; Lai, Ying-Hui	Generalized maximum a posteriori spectral amplitude estimation for speech enhancement	2016	Vol. 76		112-126
Tu, Jingxian ; Youshen ; Xia	Fast distributed multichannel speech enhancement using novel frequency domain estimators of magnitude-squared spectrum	2015	Vol. 72		96-108
Tu, Yan-Hui ; et al.	An iterative mask estimation approach to deep learning based multi-channel speech recognition	2019	Vol. 106		31-43
Tuğtekin Turan, M. A. ; Erzin, Engin	Improving phoneme recognition of throat microphone speech recordings using transfer learning	2021	Vol. 129		25-32
Ulbrich, Christiane ; Canzi, Massimiliano	Intonational alignment in second language acquisition	2023	Vol. 146		70-81
Ullmann, Raphael ; Boudard, Hervé	Predicting the intrusiveness of noise through sparse coding with auditory kernels	2016	Vol. 76		186-200
Uzun, Erkam ; Sencar, Husrev T.	A preliminary examination technique for audio evidence to distinguish speech from non-speech using objective speech quality measures	2014	Vol. 61-62		1-16
Vaaras, Einari ; et al.	Development of a speech emotion recognizer for large-scale child-centered audio recordings from a hospital environment	2023	Vol. 148		9-22
Vaičiukynas, Evaldas ; et al.	Exploring similarity-based classification of larynx disorders from human voice	2012	Vol. 54	Issue 5	601-610
Valente, Fabio	Multi-stream speech recognition based on Dempster–Shafer combination rule	2010	Vol. 52	Issue 3	213-222
Valente, Fabio	Hierarchical and parallel processing of auditory and modulation frequencies for automatic speech recognition	2010	Vol. 52	Issue 10	790-800
Valentini-Botinhao, Cassia ; et al.	Intelligibility of time-compressed synthetic speech: Compression method and speaking style	2015	Vol. 74		52-64
Valor Miró, Juan Daniel ; et al.	Efficiency and usability study of innovative computer-aided transcription	2015	Vol. 74		65-75

	strategies for video lecture repositories				
Van Engen, Kristin J.	Similarity and familiarity: Second language sentence recognition in first- and second-language multi-talker babble	2010	Vol. 52	Issue 11-12	943-953
Van Niekerk, Daniel R. ; Barnard, Etienne	Predicting utterance pitch targets in Yorùbá for tone realisation in speech synthesis	2014	Vol. 56		229-242
Vanambathina, Sunnydayal ; Kumar, T. Kishore	Speech enhancement by Bayesian estimation of clean speech modeled as super Gaussian given a priori knowledge of phase	2016	Vol. 77		8-27
Vasquez-Correa, J.C. ; et al.	Parallel Representation Learning for the Classification of Pathological Speech: Studies on Parkinson's Disease and Cleft Lip and Palate	2020	Vol. 122		56-67
Väyrynen, Eero ; Toivanen, Juhani ; Seppänen, Tapio	Classification of emotion in spoken Finnish using vowel-length segments: Increasing reliability with a fusion technique	2011	Vol. 53	Issue 3	269-282
Veisi, Hadi ; Sameti, Hossein	Speech enhancement using hidden Markov models in Mel-frequency domain	2013	Vol. 55	Issue 2	205-220
Veispak, Anneli ; et al.	Estonian words in noise test for children (EWINc)	2016	Vol. 77		1-7
Vestman, Ville ; et al.	Speaker recognition from whispered speech: A tutorial survey and an application of time-varying linear prediction	2018	Vol. 99		62-79
Vicente-Peña, Jesús ; Díaz-de-María, Fernando	Uncertainty decoding on Frequency Filtered parameters for robust ASR	2010	Vol. 52	Issue 5	440-449
Vicente-Peña, Jesús ; Díaz-de-María, Fernando ; Kleijn, W. Bastiaan	The synergy between bounded-distance HMM and spectral subtraction for robust speech recognition	2010	Vol. 52	Issue 2	123-133
Vicsi, Klára ; Szaszák, György	Using prosody to improve automatic speech recognition	2010	Vol. 52	Issue 5	413-426
Vidal, Andrea ; Busso, Carlos	Multimodal attention for lip synthesis using conditional generative adversarial networks	2023	Vol. 153		102959
Vieira, Maurílio N. ; Sansão, João Pedro H. ; Yehia, Hani C.	Measurement of signal-to-noise ratio in dysphonic voices by image processing of spectrograms	2014	Vol. 61-62		17-32
Vieru, Bianca ; Boula de Mareüil, Philippe ; Adda-Decker, Martine	Characterisation and identification of non-native French accents	2011	Vol. 53	Issue 3	292-310
Vijayan, Karthika ; Reddy, Pappagari Raghavendra ; Murty, K. Sri Rama	Significance of analytic phase of speech signals in speaker verification.	2016	Vol. 81		54-71
Vijayasenan, Deepu ; Valente, Fabio ; Boulard, Hervé	Multistream speaker diarization of meetings recordings beyond MFCC and TDOA features	2012	Vol. 54	Issue 1	55-67
Villalba, Jesús ; et al.	Analysis of speech quality measures for the task of estimating the reliability of speaker verification decisions	2016	Vol. 78		42-61
Villegas, Julián ; et al.	Psychoacoustic features explain creakiness classifications made by naive and non-naive listeners	2023	Vol. 147		74-81

Vloed, David van der	Evaluation of Batvox 4.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	2016	Vol. 85		127-130
Vloed, David van der	Erratum to “Evaluation of Batvox 4.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)” [Speech Communication 85 (2016) 127–130]	2017	Vol. 92		23-23
Vogel, Adam P. ; Fletcher, Janet ; Maruff, Paul	The impact of task automaticity on speech in noise	2014	Vol. 65		1-8
Volín, Jan ; Skarnitzl, Radek	The strength of foreign accent in Czech English under adverse listening conditions	2010	Vol. 52	Issue 11-12	1010-1021
Wagner, Petra ; Malisz, Zofia ; Kopp, Stefan	Gesture and speech in interaction: An overview. (Guest Editorial)	2014	Vol. 57		209-232
Walker, Gareth	Close proximity of turn-continuation to possible turn-completion in conversation	2018	Vol. 99		231-241
Wang, Brian ; Wong, Willy	Real time hearing enhancement in crowded social environments with noise gating	2018	Vol. 99		173-182
Wang, Bruce Xiao ; Hughes, Vincent ; Foulkes, Paul	The effect of sampling variability on systems and individual speakers in likelihood ratio-based forensic voice comparison	2022	Vol. 138		38-49
Wang, Fangju ; Swegles, Kyle	Modeling user behavior online for disambiguating user input in a spoken dialogue system	2013	Vol. 55	Issue 1	84-98
Wang, Jing ; et al.	Output-based speech quality assessment using autoencoder and support vector regression	2019	Vol. 110		13-20
Wang, Lan ; et al.	Phoneme-level articulatory animation in pronunciation training	2012	Vol. 54	Issue 7	845-856
Wang, Linlin ; et al.	Improving speaker verification performance against long-term speaker variability	2016	Vol. 79		14-29
Wang, Mengyuan ; et al.	The role of visual cues indicating onset times of target speech syllables in release from informational or energetic masking	2022	Vol. 144		20-25
Wang, Ruili ; Lu, Jingli	Investigation of golden speakers for second language learners from imitation preference perspective by voice modification	2011	Vol. 53	Issue 2	175-184
Wang, Shengbei ; et al.	Detection of speech tampering using sparse representations and spectral manipulations based information hiding	2019	Vol. 112		1-14
Wang, Tingting ; et al.	Speech signal processing on graphs: The graph frequency analysis and an improved graph Wiener filtering method	2021	Vol. 127		82-91
Wang, Wei. ; Zhang, Jinsong	Factors predicting human performance in error annotation for non-native speech corpus	2023	Vol. 149		38-46
Wang, Xianhui ; Lee, Chao-Yang ; Wiener, Seth	Non-native disadvantage in spoken word recognition is due to lexical knowledge and not type/level of noise	2023	Vol. 149		29-37
Wang, Xianliang ; et al.	Phonotactic language recognition using dynamic pronunciation and language branch discriminative information	2015	Vol. 75		50-61

Wang, Xianyun ; Bao, Feng ; Bao, Changchun	IRM estimation based on data field of cochleagram for speech enhancement	2018	Vol. 97		19-31
Wang, Xiaofei ; et al.	A reverberation robust target speech detection method using dual-microphone in distant-talking scene	2015	Vol. 72		47-58
Wang, Xin ; Takaki, Shinji ; Yamagishi, Junichi	Investigating very deep highway networks for parametric speech synthesis	2018	Vol. 96		1-9
Wang, Y. ; et al.	Towards automatic assessment of spontaneous spoken English	2018	Vol. 104		47-56
Ward, Nigel G. ; Avila, Jonathan E.	A dimensional model of interaction style variation in spoken dialog	2023	Vol. 149		47-62
Ward, Nigel G. ; et al.	A prosody-based vector-space model of dialog activity for information retrieval	2015	Vol. 68		85-96
Ward, Nigel G. ; Vega, Alejandro ; Baumann, Timo	Prosodic and temporal features for language modeling for dialog	2012	Vol. 54	Issue 2	161-174
Wassink, Alicia Beckford ; Gansen, Cady ; Bartholomew, Isabel	Uneven success: automatic speech recognition and ethnicity-related dialects	2022	Vol. 140		50-70
Weise, Andreas ; et al.	Individual differences in acoustic-prosodic entrainment in spoken dialogue	2019	Vol. 115		78-87
Weiss, Benjamin ; et al.	Quality of talking heads in different interaction and media contexts	2010	Vol. 52	Issue 6	481-492
Weiss, Ron J. ; Mandel, Michael I. ; Ellis, Daniel P.W.	Combining localization cues and source model constraints for binaural source separation	2011	Vol. 53	Issue 5	606-621
Wester, Mirjam	Talker discrimination across languages	2012	Vol. 54	Issue 6	781-790
White, Laurence	Communicative function and prosodic form in speech timing	2014	Vol. 63-64		38-54
Wickramasinghe, Buddhi ; et al.	DNN controlled adaptive front-end for replay attack detection systems	2023	Vol. 154		102973
Wielgat, Robert ; et al.	POLEMAD—A database for the multimodal analysis of Polish pronunciation	2021	Vol. 127		29-42
Wiem, Belhedi ; et al.	Unsupervised single channel speech separation based on optimized subspace separation	2018	Vol. 96		93-101
Windle, Jonathan ; et al.	Arm motion symmetry in conversation	2022	Vol. 144		75-88
Windmann, Andreas ; Šimko, Juraj ; Wagner, Petra	Optimization-based modeling of speech timing	2015	Vol. 74		76-92
Winters, Stephen ; O'Brien, Mary Grantham	Perceived accentedness and intelligibility: The relative contributions of F0 and duration	2013	Vol. 55	Issue 3	486-507
Wolf, Martin ; Nadeu, Climent	Channel selection measures for multi-microphone speech recognition	2014	Vol. 57		170-180
Wöllmer, Martin ; Schuller, Björn ; Rigoll, Gerhard	Keyword spotting exploiting Long Short-Term Memory	2013	Vol. 55	Issue 2	252-265
Wong, Aslan B. ; Huang, ZiQi ; Wu, Kaishun	Leveraging audible and inaudible signals for pronunciation training by sensing	2022	Vol. 144		42-56

	articulation through a smartphone				
Worgan, Simon F. ; Moore, Roger K.	Towards the detection of social dominance in dialogue	2011	Vol. 53	Issue 9-10	1104-1114
Wu, Jiasong ; et al.	Self-supervised speech denoising using only noisy audio signals	2023	Vol. 149		63-73
Wu, Junru ; et al.	Predicting tonal realizations in one Chinese dialect from another	2016	Vol. 76		1-27
Wu, Liang ; et al.	Evaluation of a method for vowel-specific voice source control of an electrolarynx using visual information	2014	Vol. 57		39-49
Wu, Liang ; et al.	Acoustic influence of the neck tissue on Mandarin voiceless consonant production of electrolaryngeal speech	2017	Vol. 87		31-39
Wu, Liang ; et al.	Vocal efficiency of electrolaryngeal speech production	2017	Vol. 89		17-24
Wu, Meihong ; et al.	Effects of aging on the ability to benefit from prior knowledge of message content in masked speech recognition	2012	Vol. 54	Issue 4	529-542
Wu, Siqing ; Falk, Tiago H. ; Chan, Wai-Yip	Automatic speech emotion recognition using modulation spectral features	2011	Vol. 53	Issue 5	768-785
Wu, Tingyao ; et al.	Feature subset selection for improved native accent identification	2010	Vol. 52	Issue 2	83-98
Wu, Yaru ; Adda-Decker, Martine ; Lamel, Lori	Mandarin lexical tone duration: Impact of speech style, word length, syllable position and prosodic position	2023	Vol. 146		45-52
Wu, Zhizheng ; et al.	Spoofing and countermeasures for speaker verification: A survey	2015	Vol. 66		130-153
X. Wei, ; et al.	Automatic Speech Recognition and Pronunciation Error Detection of Dutch Non-native Speech: cumulating speech resources in a pluricentric language	2022	Vol. 144		1-9
Xia, Bingyin ; Bao, Changchun	Compressed domain speech enhancement method based on ITU-T G.722.2	2013	Vol. 55	Issue 5	619-640
Xia, Bingyin ; Bao, Changchun	Wiener filtering based speech enhancement with Weighted Denoising Auto-encoder and noise classification	2014	Vol. 60		13-29
Xia, Xian-Jun ; et al.	HMM-based unit selection speech synthesis using log likelihood ratios derived from perceptual data	2014	Vol. 63-64		27-37
Xia, Zhihua ; Hirschberg, Julia ; Levitan, Rivka	Investigating prosodic entrainment from global conversations to local turns and tones in Mandarin conversations	2023	Vol. 153		102961
Xiao, Ke ; et al.	Acoustical and perceptual characteristics of mandarin consonants produced with an electrolarynx	2020	Vol. 123		26-34
Xie, Feng-Long ; Soong, Frank K. ; Li, Haifeng	Voice conversion with SI-DNN and KL divergence based mapping without parallel training data	2019	Vol. 106		57-67
Xie, Jie ; Zhu, Mingying ; Hu, Kai	Fusion-based speech emotion classification using two-stage feature selection	2023	Vol. 152		102955
Xu, Liyun ; Zhang, Tong	Fractional feature-based speech enhancement with deep neural network	2023	Vol. 153		102971

Xu, Ning ; et al.	Voice conversion based on Gaussian processes by coherent and asymmetric training with limited training data	2014	Vol. 58		124-138
Xu, Tao ; Wang, Wenwu ; Dai, Wei	Sparse coding with adaptive dictionary learning for underdetermined blind speech separation	2013	Vol. 55	Issue 3	432-450
Xu, Xinmeng ; Tu, Weiping ; Yang, Yuhong	CASE-Net: Integrating local and non-local attention operations for speech enhancement	2023	Vol. 148		31-39
Xu, Yi ; Prom-on, Santitham	Toward invariant functional representations of variable surface fundamental frequency contours: Synthesizing speech melody via model-based stochastic learning	2014	Vol. 57		181-208
Xue, Junxiao ; et al.	Cross-modal information fusion for voice spoofing detection	2023	Vol. 147		41-50
Xue, Peiyun ; et al.	Analysis and classification of the nasal finals in hearing-impaired patients using tongue movement features	2018	Vol. 104		57-65
Xue, Wei ; et al.	Measuring the intelligibility of dysarthric speech through automatic speech recognition in a pluricentric language	2023	Vol. 148		23-30
Xue, Yawen ; Hamada, Yasuhiro ; Akagi, Masato	Voice conversion for emotional speech: Rule-based synthesis with degree of emotion controllable in dimensional space	2018	Vol. 102		54-67
Yadav, Jainath ; Fahad, Md. Shah ; Sreenivasa Rao, K.	Epoch detection from emotional speech signal using zero time windowing	2018	Vol. 96		142-149
Yağlı, Can ; Turan, M.A. Tuğtekin ; Erzin, Engin	Artificial bandwidth extension of spectral envelope along a Viterbi path	2013	Vol. 55	Issue 1	111-118
Yamamoto, Katsuhiko ; et al.	GEDI: Gammachirp envelope distortion index for predicting intelligibility of enhanced speech	2020	Vol. 123		43-58
Yan, Xue ; et al.	An Iterative Graph Spectral Subtraction Method for Speech Enhancement	2020	Vol. 123		35-42
Yan, Zhenhai ; Wang, Feiran ; Yang, Jun	Optimum step-size control for a variable step-size stereo acoustic echo canceller in the frequency domain	2020	Vol. 124		21-27
Yang, Fan ; et al.	Improving generative adversarial networks for speech enhancement through regularization of latent representations	2020	Vol. 118		1-9
Yang, Hyejin ; et al.	Prediction of vowel identification for cochlear implant using a computational model	2016	Vol. 85		19-28
Yang, Jichen ; Zhou, Yi ; Huang, Hao	Mel-S3R: Combining Mel-spectrogram and self-supervised speech representation with VQ-VAE for any-to-any voice conversion	2023	Vol. 151		52-63
Yang, Jing ; et al.	Recognition of vocoded speech in English by Mandarin-speaking English-learners	2022	Vol. 136		63-75
Yang, Seung-yun	Listener's ratings and acoustic analyses of voice qualities associated with English and Korean sarcastic utterances	2021	Vol. 129		1-6

Yang, Yang ; Gryllia, Stella ; Cheng, Lisa Lai-Shen	Wh-question or wh-declarative? Prosody makes the difference	2020	Vol. 118		21-32
Yang, Ziyi ; Guan, Shanzheng ; Zhang, Xiao-Lei	Deep ad-hoc beamforming based on speaker extraction for target-dependent speech separation	2022	Vol. 140		87-97
Yao, Zengwei ; et al.	Speech emotion recognition using fusion of three multi-task learning-based classifiers: HSF-DNN, MS-CNN and LLD-RNN	2020	Vol. 120		11-19
Yap, Tet Fei ; et al.	Voice source under cognitive load: Effects and classification	2015	Vol. 72		74-95
Yarra, Chiranjeevi ; Deshmukh, Om D. ; Ghosh, Prasanta Kumar	A mode-shape classification technique for robust speech rate estimation and syllable nuclei detection	2016	Vol. 78		62-71
Yarra, Chiranjeevi ; Ghosh, Prasanta Kumar	Automatic syllable stress detection under non-parallel label and data condition	2022	Vol. 138		80-87
Ye, Jia-Xin ; et al.	GM-TCNet: Gated Multi-scale Temporal Convolutional Network using Emotion Causality for Speech Emotion Recognition	2022	Vol. 145		21-35
Yegnanarayana, Bayya ; Gowda, Dhananjaya N.	Spectro-temporal analysis of speech signals using zero-time windowing and group delay function	2013	Vol. 55	Issue 6	782-795
Yeh, Cheng-Yu ; Chang, Shun-Chieh ; Hwang, Shaw-Hwa	A consistency analysis on an acoustic module for Mandarin text-to-speech	2013	Vol. 55	Issue 2	266-277
Yenkimaleki, Mahmood ; Heuven, Vincent J. van ; Hosseini, Mostafa	The effect of fluency strategy training on interpreter trainees' speech fluency: Does content familiarity matter?	2023	Vol. 146		1-10
Yenkimaleki, Mahmood ; Heuven, Vincent van	The relative contribution of computer assisted prosody training vs. instructor based prosody teaching in developing speaking skills by interpreter trainees: An experimental study	2019	Vol. 107		48-57
Yenkimaleki, Mahmood ; Heuven, Vincent van	Comparing the nativeness vs. intelligibility approach in prosody instruction for developing speaking skills by interpreter trainees: An experimental study	2022	Vol. 137		92-102
Yeung, Gary ; Fan, Ruchao ; Alwan, Abeer	Fundamental frequency feature warping for frequency normalization and data augmentation in child automatic speech recognition	2021	Vol. 135		1-10
Yi, Jiangyan ; et al.	Transfer knowledge for punctuation prediction via adversarial training	2023	Vol. 149		1-10
Yilmaz, Emre ; et al.	Semi-supervised acoustic model training for speech with code-switching	2018	Vol. 105		12-22
Yin, Hui ; Hohmann, Volker ; Nadeu, Climent	Acoustic features for speech recognition based on Gammatone filterbank and instantaneous frequency	2011	Vol. 53	Issue 5	707-715
Yin, Xiang ; et al.	Modeling F0 trajectories in hierarchically structured deep neural networks	2016	Vol. 76		82-92
Yilmaz, Emre ; Gemmeke, Jort F. ; Van hamme, Hugo	Noise robust exemplar matching with alpha-beta divergence	2016	Vol. 76		127-142
Yokoyama, Ryō ; et al.	Detection of overlapped speech using lapel microphones in meeting	2013	Vol. 55	Issue 10	941-949

Yokozuka, Takahiro ; et al.	The Relationship Between Turn-taking, Vocal Pitch Synchrony, and Rapport in Creative Problem-Solving Communication	2021	Vol. 129		33-40
Yong, Pei Chee ; Nordholm, Sven ; Dam, Hai Huyen	Optimization and evaluation of sigmoid function with a priori SNR estimate for real-time speech enhancement	2013	Vol. 55	Issue 2	358-376
Yook, Sunhyun ; et al.	Modified segmental signal-to-noise ratio reflecting spectral masking effect for evaluating the performance of hearing aid algorithms	2013	Vol. 55	Issue 10	1003-1010
Yoon, Su-Youn ; Bhat, Suma	A comparison of grammatical proficiency measures in the automated assessment of spontaneous speech	2018	Vol. 99		221-230
Yoon, Su-youn ; Zechner, Klaus	Combining human and automated scores for the improved assessment of non-native speech	2017	Vol. 93		43-52
You, Chang Huai ; Ma, Bin	Spectral-domain speech enhancement for speech recognition	2017	Vol. 94		30-41
Yousefi, Midia ; Hansen, John H.L.	Single-channel speech separation using soft-minimum permutation invariant training	2023	Vol. 151		76-85
Yousefian, Nima ; Loizou, Philipos C. ; Hansen, John H.L.	A coherence-based noise reduction algorithm for binaural hearing aids	2014	Vol. 58		101-110
Yu, Guochen ; et al.	A two-stage complex network using cycle-consistent generative adversarial networks for speech enhancement	2021	Vol. 134		42-54
Yu, Hongjiang ; Zhu, Wei-Ping ; Champagne, Benoît	Speech enhancement using a DNN-augmented colored-noise Kalman filter	2020	Vol. 125		142-151
Yu, Kai ; et al.	Unsupervised training and directed manual transcription for LVCSR	2010	Vol. 52	Issue 7-8	652-663
Yu, Kai ; et al.	Context adaptive training with factorized decision trees for HMM-based statistical parametric speech synthesis	2011	Vol. 53	Issue 6	914-923
Yu, Rongshan	Speech enhancement based on soft audible noise masking and noise power estimation	2013	Vol. 55	Issue 10	964-974
Yuan, Jiahong ; Liberman, Mark	F0 declination in English and Mandarin Broadcast News Speech	2014	Vol. 65		67-74
Yuan, Weitao ; et al.	Enhanced feature network for monaural singing voice separation	2019	Vol. 106		1-6
Yuan, Wenhao	A time–frequency smoothing neural network for speech enhancement	2020	Vol. 124		75-84
Yuan, Wenhao	Incorporating group update for speech enhancement based on convolutional gated recurrent network	2021	Vol. 132		32-39
Yue, Ming ; Ruan, Qiuqi ; Gao, Guodong	A Mandarin edutainment system integrated virtual learning environments	2013	Vol. 55	Issue 1	71-83
Yunusova, Yana ; et al.	Acquisition of the 3D surface of the palate by in-vivo digitization with Wave	2012	Vol. 54	Issue 8	923-931
Zanchi, Paola ; Peppé, Sue ; Zampini, Laura	Prosodic development from 4 to 10 years: Data from the Italian adaptation of the	2022	Vol. 144		10-19

	PEPS-C				
Zande, Patrick van der ; Jesse, Alexandra ; Cutler, Anne	Hearing words helps seeing words: A cross-modal word repetition effect	2014	Vol. 59		31-43
Zarka, Dina el ; Hödl, Petra	A study on the perception of prosodic cues to focus by Egyptian listeners: Some make use of them, but most of them don't	2021	Vol. 132		55-69
Zeinab Farhoudi, Setayeshi, Saeed	Fusion of deep learning features with mixture of brain emotional learning for audio-visual emotion recognition	2021	Vol. 127		92-103
Zelinka, Petr ; Sigmund, Milan ; Schimmel, Jiří	Impact of vocal effort variability on automatic speech recognition	2012	Vol. 54	Issue 6	732-742
Zellou, Georgia ; Brotherton, Chloe	Phonetic imitation of multidimensional acoustic variation of the nasal split short-a system	2021	Vol. 135		54-65
Zellou, Georgia ; Chitoran, Ioana ; Zhou, Ziqi	Real-time intelligibility affects the realization of French word-final schwa	2023	Vol. 152		102962
Zhang, Chi ; Hansen, John H.L.	An advanced entropy-based feature with a frame-level vocal effort likelihood space modeling for distant whisper-island detection	2015	Vol. 66		107-117
Zhang, Cuiling ; et al.	Effects of telephone transmission on the performance of formant-trajectory-based forensic voice comparison – Female voices	2013	Vol. 55	Issue 6	796-813
Zhang, Cuiling ; Tang, Chang	Evaluation of Batvox 3.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	2018	Vol. 100		13-17
Zhang, Haijian ; et al.	Underdetermined blind separation of overlapped speech mixtures in time-frequency domain with estimated number of sources	2017	Vol. 89		1-16
Zhang, Ju ; Honda, Kiyoshi ; Wei, Jianguo	Tooth visualization in vowel production MR images for three-dimensional vocal tract modeling	2018	Vol. 96		37-48
Zhang, Long ; et al.	Supervised single-channel speech enhancement using ratio mask with joint dictionary learning	2016	Vol. 82		38-52
Zhang, Mingyang ; et al.	DeepConversion: Voice conversion with limited parallel training data	2020	Vol. 122		31-43
Zhang, Ruiteng ; et al.	Self-supervised learning based domain regularization for mask-wearing speaker verification	2023	Vol. 152		102953
Zhang, Shiqing ; et al.	Learning deep multimodal affective features for spontaneous speech emotion recognition	2021	Vol. 127		73-81
Zhang, Wei ; Benesty, Jacob ; Chen, Jingdong	Single-channel noise reduction via semi-orthogonal transformations and reduced-rank filtering	2016	Vol. 78		73-83
Zhang, Wei-Qiang ; et al.	Spoken language recognition based on gap-weighted subsequence kernels	2014	Vol. 60		1-12
Zhang, Wen-Lin ; et al.	Rapid speaker adaptation using compressive sensing	2013	Vol. 55	Issue 10	950-963

Zhang, Xueru ; Demuyne, Kris ; Van hamme, Hugo	Rapid speaker adaptation in latent speaker space with non-negative matrix factorization	2013	Vol. 55	Issue 9	893-908
Zhang, Yi ; Zhao, Yunxin	Real and imaginary modulation spectral subtraction for speech enhancement	2013	Vol. 55	Issue 4	509-522
Zhang, Yi ; Zhao, Yunxin	Modulation domain blind speech separation in noisy environments	2013	Vol. 55	Issue 10	1081-1099
Zhang, Yixin ; Nolan, Francis ; Friedrichs, Daniel	Perceptual clustering of high-pitched vowels in Chinese Yue Opera	2022	Vol. 137		60-69
Zhang, Zhan ; Wang, Yuehai ; Yang, Jianyi	Text-conditioned Transformer for automatic pronunciation error detection	2021	Vol. 130		55-63
Zhang, Ziqian ; Huang, Min ; Xiao, Zhongzhe	A study of correlation between physiological process of articulation and emotions on Mandarin Chinese	2023	Vol. 147		82-92
Zhao, Yong ; Juang, Biing-Hwang (Fred)	A comparative study of noise estimation algorithms for nonlinear compensation in robust speech recognition	2017	Vol. 89		58-69
Zharkova, Natalia	Differentiating tongue shapes for alveolar-postalveolar and alveolar-velar contrasts	2019	Vol. 113		15-24
Zhou, Kun ; et al.	Emotional voice conversion: Theory, databases and ESD	2022	Vol. 137		1-18
Zhu, Hongning ; Lee, Kong Aik ; Li, Haizhou	Discriminative speaker embedding with serialized multi-layer multi-head attention	2022	Vol. 144		89-100
Ziaei, Ali ; Sangwan, Abhijeet ; Hansen, John H.L.	Effective word count estimation for long duration daily naturalistic audio recordings	2016	Vol. 84		15-23
Zimmerer, Frank ; Scharinger, Mathias ; Reetz, Henning	When BEAT becomes HOUSE: Factors of word final /t/-deletion in German	2011	Vol. 53	Issue 6	941-954
Zuo, Xiang ; et al.	Correcting phoneme recognition errors in learning word pronunciation through speech interaction	2013	Vol. 55	Issue 1	190-203