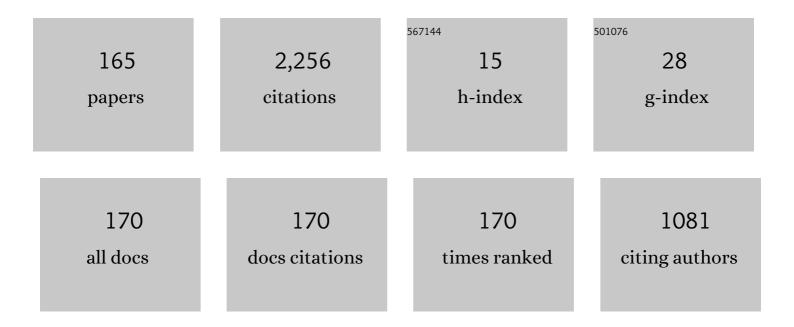
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Deep Learning for Acoustic Modeling in Parametric Speech Generation: A systematic review of existing techniques and future trends. IEEE Signal Processing Magazine, 2015, 32, 35-52.	4.6	177
2	Voice conversion using deep Bidirectional Long Short-Term Memory based Recurrent Neural Networks. , 2015, , .		162
3	Phonetic posteriorgrams for many-to-one voice conversion without parallel data training. , 2016, , .		149
4	Mispronunciation Detection and Diagnosis in L2 English Speech Using Multidistribution Deep Neural Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 193-207.	4.0	88
5	Spoken language resources for Cantonese speech processing. Speech Communication, 2002, 36, 327-342.	1.6	76
6	Multi-distribution deep belief network for speech synthesis. , 2013, , .		74
7	Creation and Evaluation of a Pretertiary Artificial Intelligence (AI) Curriculum. IEEE Transactions on Education, 2022, 65, 30-39.	2.0	72
8	A deep recurrent approach for acoustic-to-articulatory inversion. , 2015, , .		43
9	Adversarial Attacks on GMM I-Vector Based Speaker Verification Systems. , 2020, , .		41
10	Phoneme-level articulatory animation in pronunciation training. Speech Communication, 2012, 54, 845-856.	1.6	39
11	CNN-RNN-CTC Based End-to-end Mispronunciation Detection and Diagnosis. , 2019, , .		38
12	Automatic lexical stress and pitch accent detection for L2 English speech using multi-distribution deep neural networks. Speech Communication, 2018, 96, 28-36.	1.6	37
13	Automatic derivation of phonological rules for mispronunciation detection in a computer-assisted pronunciation training system. , 0, , .		35
14	An Integrated Approach of Machine Learning and Systems Thinking for Waiting Time Prediction in an Emergency Department. International Journal of Medical Informatics, 2020, 139, 104143.	1.6	34
15	Question detection from acoustic features using recurrent neural network with gated recurrent unit. , 2016, , .		33
16	Deriving salient learners' mispronunciations from cross-language phonological comparisons. , 2007, , .		28
17	The use of DBN-HMMs for mispronunciation detection and diagnosis in L2 English to support computer-aided pronunciation training. , 0, , .		27
18	Adversarial Attacks on Spoofing Countermeasures of Automatic Speaker Verification. , 2019, , .		26

#	Article	IF	CITATIONS
19	Towards Discriminative Representation Learning for Speech Emotion Recognition. , 2019, , .		26
20	Mandarin–English Information (MEI): investigating translingual speech retrieval. Computer Speech and Language, 2004, 18, 163-179.	2.9	25
21	Real-time synthesis of Chinese visual speech and facial expressions using MPEG-4 FAP features in a three-dimensional avatar. , 0, , .		25
22	Any-to-Many Voice Conversion With Location-Relative Sequence-to-Sequence Modeling. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1717-1728.	4.0	24
23	Phonetic aspects of content design in AESOP (Asian English Speech cOrpus Project). , 2009, , .		23
24	Collection of user judgments on spoken dialog system with crowdsourcing. , 2010, , .		23
25	Predicting User Satisfaction in Spoken Dialog System Evaluation With Collaborative Filtering. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 971-981.	7.3	23
26	Head and facial gestures synthesis using PAD model for an expressive talking avatar. Multimedia Tools and Applications, 2014, 73, 439-461.	2.6	23
27	Discriminative acoustic model for improving mispronunciation detection and diagnosis in computer-aided pronunciation training (CAPT). , 0, , .		23
28	Intonation classification for L2 English speech using multi-distribution deep neural networks. Computer Speech and Language, 2017, 43, 18-33.	2.9	21
29	Improving mispronunciation detection and diagnosis of learners' speech with context-sensitive phonological rules based on language transfer. , O, , .		21
30	Studying L2 suprasegmental features in asian Englishes: a position paper. , 0, , .		21
31	A Two-Pass Framework of Mispronunciation Detection and Diagnosis for Computer-Aided Pronunciation Training. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1020-1028.	4.0	20
32	Learning cross-lingual information with multilingual BLSTM for speech synthesis of low-resource languages. , 2016, , .		19
33	Capturing L2 segmental mispronunciations with joint-sequence models in Computer-Aided Pronunciation Training (CAPT). , 2010, , .		18
34	Synthesizing English emphatic speech for multimodal corrective feedback in computer-aided pronunciation training. Multimedia Tools and Applications, 2014, 73, 463-489.	2.6	18
35	Adversarial Defense for Automatic Speaker Verification by Cascaded Self-Supervised Learning Models. , 2021, , .		18
36	Facial Expression Synthesis Using PAD Emotional Parameters for a Chinese Expressive Avatar. Lecture Notes in Computer Science, 2007, , 24-35.	1.0	18

#	Article	IF	CITATIONS
37	Acoustic to articulatory mapping with deep neural network. Multimedia Tools and Applications, 2015, 74, 9889-9907.	2.6	17
38	End-To-End Accent Conversion Without Using Native Utterances. , 2020, , .		14
39	Audio-Visual Multi-Channel Integration and Recognition of Overlapped Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2067-2082.	4.0	14
40	Speech Emotion Recognition Using Sequential Capsule Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3280-3291.	4.0	14
41	Modeling the statistical behavior of lexical chains to capture word cohesiveness for automatic story segmentation. , 0, , .		14
42	Modeling the Expressivity of Input Text Semantics for Chinese Text-to-Speech Synthesis in a Spoken Dialog System. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1567-1576.	3.8	13
43	Latent Semantic Analysis for Multimodal User Input With Speech and Gestures. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 417-429.	4.0	13
44	End-To-End Voice Conversion Via Cross-Modal Knowledge Distillation for Dysarthric Speech Reconstruction. , 2020, , .		13
45	Facial Expression Synthesis Based on Emotion Dimensions for Affective Talking Avatar. Smart Innovation, Systems and Technologies, 2010, , 109-132.	0.5	13
46	Reversible letter-to-sound/sound-to-letter generation based on parsing word morpology. Speech Communication, 1996, 18, 47-63.	1.6	12
47	Head Movement Synthesis Based on Semantic and Prosodic Features for a Chinese Expressive Avatar. , 2007, , .		12
48	Allophonic variations in visual speech synthesis for corrective feedback in CAPT. , 2011, , .		12
49	Capitalizing on musical rhythm for prosodic training in computer-aided language learning. Computer Speech and Language, 2016, 37, 67-81.	2.9	12
50	Learning cross-lingual knowledge with multilingual BLSTM for emphasis detection with limited training data. , 2017, , .		12
51	Speaker Verification via High-Level Feature Based Phonetic-Class Pronunciation Modeling. IEEE Transactions on Computers, 2007, 56, 1189-1198.	2.4	11
52	Code-Switched Speech Synthesis Using Bilingual Phonetic Posteriorgram with Only Monolingual Corpora. , 2020, , .		11
53	Indoor Air Monitoring Platform and Personal Health Reporting System: Big Data Analytics for Public Health Research. , 2015, , .		10
54	Limited-Memory BFGS Optimization of Recurrent Neural Network Language Models for Speech Recognition. , 2018, , .		10

#	Article	IF	CITATIONS
55	CANTONESE SPEECH RECOGNITION AND SYNTHESIS. , 2006, , 365-386.		10
56	Mandarin-English Information (MEI). , 2000, , .		10
57	Lexical stress detection for L2 English speech using deep belief networks. , 0, , .		10
58	MODELLING THE GLOBAL ACOUSTIC CORRELATES OF EXPRESSIVITY FOR CHINESE TEXT-TO-SPEECH SYNTHESIS. , 2006, , .		9
59	Adaptive Weight Estimation in Multi-Biometric Verification using Fuzzy Logic Decision Fusion. , 2007, , .		9
60	Enunciate: An internet-accessible computer-aided pronunciation training system and related user evaluations. , 2011, , .		9
61	ISIS. ACM Transactions on Computer-Human Interaction, 2004, 11, 268-299.	4.6	9
62	Automatic generation and pruning of phonetic mispronunciations to support computer-aided pronunciation training. , 0, , .		9
63	Collaborative filtering model for user satisfaction prediction in Spoken Dialog System evaluation. , 2010, , .		8
64	Audiovisual synthesis of exaggerated speech for corrective feedback in computer-assisted pronunciation training. , 2013, , .		8
65	AA spectral space warping approach to cross-lingual voice transformation in HMM-based TTS. , 2015, , .		8
66	Generating emphatic speech with hidden Markov model for expressive speech synthesis. Multimedia Tools and Applications, 2015, 74, 9909-9925.	2.6	8
67	Embracing Big Data for Simulation Modelling of Emergency Department Processes and Activities. , 2015, , .		8
68	A Real-Time Decision Support Tool for Disaster Response: A Mathematical Programming Approach. , 2015, , .		8
69	Applying Multitask Learning to Acoustic-Phonemic Model for Mispronunciation Detection and Diagnosis in L2 English Speech. , 2018, , .		8
70	Exemplar-Based Emotive Speech Synthesis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 874-886.	4.0	8
71	Audiovisual Tools for Phonetic and Articulatory Visualization in Computer-Aided Pronunciation Training. Lecture Notes in Computer Science, 2010, , 337-345.	1.0	8
72	Prominence model for prosodic features in automatic lexical stress and pitch accent detection. , 0, , .		8

72  $Prominence \ model \ for \ prosodic \ features \ in \ automatic \ lexical \ stress \ and \ pitch \ accent \ detection. \ , \ 0, \ , \ .$ 

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#	Article	IF	CITATIONS
73	DiffSVC: A Diffusion Probabilistic Model for Singing Voice Conversion. , 2021, , .		8
74	Mispronunciation detection based on cross-language phonological comparisons. , 2008, , .		7
75	Statistical phone duration modeling to filter for intact utterances in a computer-assisted pronunciation training system. , 2010, , .		7
76	Development of an articulatory visual-speech synthesizer to support language learning. , 2010, , .		7
77	mENUNCIATE: Development of a computer-aided pronunciation training system on a cross-platform framework for mobile, speech-enabled application development. , 2012, , .		7
78	Phonological modeling of mispronunciation gradations in L2 English speech of L1 Chinese learners. , 2014, , .		7
79	HMM-based emphatic speech synthesis for corrective feedback in computer-aided pronunciation training. , 2015, , .		7
80	Multi-task learning of structured output layer bidirectional LSTMS for speech synthesis. , 2017, , .		7
81	Integrating Articulatory Features into Acoustic-Phonemic Model for Mispronunciation Detection and Diagnosis in L2 English Speech. , 2018, , .		7
82	Unsupervised Discovery of an Extended Phoneme Set in L2 English Speech for Mispronunciation Detection and Diagnosis. , 2018, , .		7
83	Emphatic Speech Generation with Conditioned Input Layer and Bidirectional LSTMS for Expressive Speech Synthesis. , 2018, , .		7
84	Using simulation to assess the impacts of the adoption of a fast-track system for hospital emergency services. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2018, 12, JAMDSM0073-JAMDSM0073.	0.3	7
85	Bayesian Learning of LF-MMI Trained Time Delay Neural Networks for Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1514-1529.	4.0	7
86	An enhanced Fishervoice subspace framework for text-independent speaker verification. , 2010, , .		6
87	Fcl-Taco2: Towards Fast, Controllable and Lightweight Text-to-Speech Synthesis. , 2021, , .		6
88	An analysis framework based on random subspace sampling for speaker verification. , 0, , .		6
89	On mispronunciation lexicon generation using joint-sequence multigrams in computer-aided pronunciation training (CAPT). , 0, , .		6

#	Article	IF	CITATIONS
91	Decision Fusion for Improving Mispronunciation Detection Using Language Transfer Knowledge and Phoneme-Dependent Pronunciation Scoring. , 2008, , .		5
92	Fishervioce: A discriminant subspace framework for speaker recognition. , 2010, , .		5
93	Detection of intonation in L2 English speech of native Mandarin learners. , 2010, , .		5
94	Development of text-to-audiovisual speech synthesis to support interactive language learning on a mobile device. , 2013, , .		5
95	Mispronunciation detection and diagnosis in l2 english speech using multi-distribution Deep Neural Networks. , 2014, , .		5
96	Contrastive auto-encoder for phoneme recognition. , 2014, , .		5
97	Expressive talking avatar synthesis and animation. Multimedia Tools and Applications, 2015, 74, 9845-9848.	2.6	5
98	Modeling the acoustic correlates of expressive elements in text genres for expressive text-to-speech synthesis. , 0, , .		5
99	Analysis of Dysarthric Speech using Distinctive Feature Recognition. , 2015, , .		5
100	Effects of Device Mismatch, Language Mismatch and Environmental Mismatch on Speaker Verification. , 2007, , .		4
101	Recasting the discriminative n-gram model as a pseudo-conventional n-gram model for LVCSR. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	4
102	Deriving perceptual gradation OF L2 English mispronunciations using crowdsourcing and the WorkerRank algorithm. , 2012, , .		4
103	Farewell Editorial. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1-1.	3.8	4
104	Clustering similar acoustic classes in the Fishervoice framework. , 2013, , .		4
105	Low level descriptors based DBLSTM bottleneck feature for speech driven talking avatar. , 2016, , .		4
106	A Corpus-Based Approach for Cooperative Response Generation in a Dialog System. Lecture Notes in Computer Science, 2006, , 614-626.	1.0	4
107	Development of a Cantonese dysarthric speech corpus. , 0, , .		4
108	A Pruning Approach for GMM-Based Speaker Verification in Mobile Embedded Systems. Lecture Notes in Computer Science, 2004, , 607-613.	1.0	3

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109	Using finite state machines for evaluating spoken dialog systems. , 2010, , .		3
110	Perceptually-motivated assessment of automatically detected lexical stress in L2 learners' speech. , 2012, , .		3
111	Automatic speech data clustering with human perception based weighted distance. , 2014, , .		3
112	Kronecker product approximation with multiple factor matrices via the tensor product algorithm. , 2016, , .		3
113	Initial Experiments on Automatic Story Segmentation in Chinese Spoken Documents Using Lexical Cohesion of Extracted Named Entities. Lecture Notes in Computer Science, 2006, , 693-703.	1.0	3
114	Multilingual Spoken Dialog Systems. , 2006, , 399-447.		3
115	Hierarchical English emphatic speech synthesis based on HMM with limited training data. , 0, , .		3
116	Topic modeling for conference analytics. , 0, , .		3
117	Using tilt for automatic emphasis detection with Bayesian networks. , 0, , .		3
118	Initial Development Towards a Trilingual Speech Interface for Financial Information Inquiries. International Journal of Speech Technology, 2000, 3, 83-91.	1.4	2
119	Intelligent speech for information systems: towards biliteracy and trilingualism. Interacting With Computers, 2002, 14, 327-339.	1.0	2
120	Discriminant Mutual Subspace Learning for Indoor and Outdoor Face Recognition. , 2007, , .		2
121	The Use of Dynamic Deformable Templates for Lip Tracking in an Audio-Visual Corpus with Large Variations in Head Pose, Face Illumination and Lip Shapes. , 2008, , .		2
122	A New Prosodic Strength Calculation Method for Prosody Reduction Modeling. , 2008, , .		2
123	Cross-Modality Semantic Integration With Hypothesis Rescoring for Robust Interpretation of Multimodal User Interactions. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 486-500.	3.8	2
124	Introduction to the Special Issue on Multimodal Processing in Speech-Based Interactions. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 409-410.	3.8	2
125	Pseudo-Conventional N-Gram Representation of the Discriminative N-Gram Model for LVCSR. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 943-952.	7.3	2
126	Predicting user evaluations of spoken dialog systems using semi-supervised learning. , 2010, , .		2

#	Article	IF	CITATIONS
127	Detection and emphatic realization of contrastive word pairs for expressive text-to-speech synthesis. , 2012, , .		2
128	Investigation of tandem deep belief network approach for phoneme recognition. , 2013, , .		2
129	Grading the Severity of Mispronunciations in CAPT Based on Statistical Analysis and Computational Speech Perception. Journal of Computer Science and Technology, 2014, 29, 751-761.	0.9	2
130	Learning dynamic features with neural networks for phoneme recognition. , 2014, , .		2
131	A two-pass framework of mispronunciation detection & diagnosis for computer-aided pronunciation training. , 2015, , .		2
132	A Data Capturing Platform in the Cloud for Behavioral Analysis among Smokers: An Application Platform for Public Health Research. , 2015, , .		2
133	Blood Pressure Management with Data Capturing in the Cloud among Hypertensive Patients: A Monitoring Platform for Hypertensive Patients. , 2015, , .		2
134	Exploring articulatory characteristics of Cantonese dysarthric speech using distinctive features. , 2016, , .		2
135	Interdependencies among dialog acts, task goals and discourse inheritance in mixed-initiative dialogs. , 2002, , .		2
136	A hierarchical lexical representation for bi-directional spelling-to-pronunciation/pronunciation-to-spelling generation. Speech Communication, 2001, 33, 213-239.	1.6	1
137	Usage patterns and latent semantic analyses for task goal inference of multimodal user interactions. , 2010, , .		1
138	Modeling prosody patterns for Chinese expressive text-to-speech synthesis. , 2010, , .		1
139	The HKCUPU system for the NIST 2010 speaker recognition evaluation. , 2011, , .		1
140	Predicting gradation of L2 English mispronunciations using ASR with extended recognition network. , 2013, , .		1
141	Introduction to the Special Section on Continuous Space and Related Methods in Natural Language Processing. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 427-430.	4.0	1
142	DBLSTM-based multi-task learning for pitch transformation in voice conversion. , 2016, , .		1
143	An embedding approach for context-aware collaborative recommendation and visualization. , 2016, , .		1

Learning Track Representation and Trends for Conference Analytics. , 2016, , .

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#	Article	IF	CITATIONS
145	A model of extended paragraph vector for document categorization and trend analysis. , 2017, , .		1
146	Topic Discovery via Convex Polytopic Model: A Case Study with Small Corpora. , 2018, , .		1
147	Automatic Speaker-level Pronunciation Assessment of L2 Speech Using Posterior Probabilities from Multiple Utterances. , 2021, , .		1
148	Complementarity and redundancy in multimodal user inputs with speech and pen gestures. , 0, , .		1
149	Using conditional random fields to predict focus word pair in spontaneous spoken English. , 0, , .		1
150	The State of the Art in Human-computer Speech-based Interface Technologies. HKIE Transactions, 2003, 10, 50-61.	1.9	0
151	Using Verb Dependency Matching in a Reading Comprehension System. Lecture Notes in Computer Science, 2005, , 190-201.	1.0	Ο
152	MULTILINGUAL DIALOG SYSTEMS. , 2006, , 459-481.		0
153	Introduction to the Issue on Statistical Learning Methods for Speech and Language Processing. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 913-916.	7.3	Ο
154	Generating emphasis from neutral speech using hierarchical perturbation model by decision tree and support vector machine. , 2012, , .		0
155	Analysis on mispronunciations in CAPT based on computational speech perception. , 2012, , .		Ο
156	Automatic detection of contrastive word pairs using textual and acoustic features. , 2014, , .		0
157	Understanding speaking styles of internet speech data with LSTM and low-resource training. , 2015, , .		Ο
158	Recognizing stances in Mandarin social ideological debates with text and acoustic features. , 2016, , .		0
159	Exploratory data analysis on nuclei in cantonese dysarthric speech. , 2016, , .		Ο
160	Parallel probabilistic swarm guidance by exploiting Kronecker product structures in discrete-time Markov chains. , 2017, , .		0
161	DNN i-vector based Fishervoice and PLDA SVM scoring for NIST SRE 2016. , 2018, , .		Ο
162	Learning Contextual Representation with Convolution Bank and Multi-head Self-attention for Speech Emphasis Detection. , 2019, , .		0

163 A Hierarchical Lexical Representation for Pronunciation Generation. , 2001, , 71-90.	
	Ο
164A Cantonese Speech-Driven Talking Face Using Translingual Audio-to-Visual Conversion. Lecture Notes1.0164in Computer Science, 2006, , 627-639.1.0	0
High-level feature-based speaker verification via articulatory phonetic-class pronunciation modeling. , 0, , .	0