Milos Cernak

List of Publications by Year
in descending order

28 papers	243 citations	1307594 7 h-index	1125743 13 g-index
29 all docs	29 docs citations	29 times ranked	186 citing authors

#	Article	IF	Citations
1	Voice Analysis to Differentiate the Dopaminergic Response in People With Parkinson's Disease. Frontiers in Human Neuroscience, 2021, 15, 667997.	2.0	6
2	Cognitive Speech Coding: Examining the Impact of Cognitive Speech Processing on Speech Compression. IEEE Signal Processing Magazine, 2018, 35, 97-109.	5.6	16
3	NeuroSpeech. SoftwareX, 2018, 8, 69-70.	2.6	2
4	Nasal Speech Sounds Detection Using Connectionist Temporal Classification. , 2018, , .		2
5	Phonological Posteriors and GRU Recurrent Units to Assess Speech Impairments of Patients with Parkinsonâ€™s Disease. Lecture Notes in Computer Science, 2018, , 453-461.	1.3	4
6	Perceptual Information Loss due to Impaired Speech Production. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 2433-2443.	5.8	12
7	Characterisation of voice quality of Parkinsonâ€™s disease using differential phonological posterior features. Computer Speech and Language, 2017, 46, 196-208.	4.3	46
8	Speech vocoding for laboratory phonology. Computer Speech and Language, 2017, 42, 100-121.	4.3	6
9	On the impact of non-modal phonation on phonological features. , 2017, , .		0
10	Modeling unvoiced sounds in statistical parametric speech synthesis with a continuous vocoder. , 2016, , .		9
11	Composition of Deep and Spiking Neural Networks for Very Low Bit Rate Speech Coding. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 2301-2312.	5.8	18
12	On structured sparsity of phonological posteriors for linguistic parsing. Speech Communication, 2016, 84, 36-45.	2.8	8
13	Phonological vocoding using artificial neural networks. , 2015, , .		15
14	Incremental Syllable-Context Phonetic Vocoding. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1019-1030.	5.8	6
15	Residual-Based Excitation with Continuous F0 Modeling in HMM-Based Speech Synthesis. Lecture Notes in Computer Science, 2015, , 27-38.	1.3	9
16	A Simple Continuous Pitch Estimation Algorithm. IEEE Signal Processing Letters, 2013, 20, 102-105.	3.6	29
17	Automatic Staging of Audio with Emotions. , 2013, , .		1
18	On the (UN)importance of the contextual factors in HMM-based speech synthesis and coding. , 2013, , .		12

#	ARTICLE	IF	CITATIONS
19	Rule-Based Triphone Mapping for Acoustic Modeling in Automatic Speech Recognition. Lecture Notes in Computer Science, 2011, , 268-275.	1.3	9
20	Diagnostics for Debugging Speech Recognition Systems. Lecture Notes in Computer Science, 2010, , 251-258.	1.3	0
21	Noisy speech recognition failure diagnosis using Minimum Message Length decision trees. , 2008, , .		0
22	PhonVoc: A Phonetic and Phonological Vocoding Toolkit. , 0, , .		11
23	Sound Pattern Matching for Automatic Prosodic Event Detection. , 0, , .		7
24	Syllable-based pitch encoding for low bit rate speech coding with recognition/synthesis architecture. , 0, , .		5
25	Development of bilingual ASR system for MediaParl corpus. , 0, , .		1
26	Phonetic and Phonological Posterior Search Space Hashing Exploiting Class-Specific Sparsity Structures. , 0, , .		1
27	Probabilistic Amplitude Demodulation Features in Speech Synthesis for Improving Prosody. , 0, , .		3
28	HMM-Based Non-Native Accent Assessment Using Posterior Features. , 0, , .		2