LÃ¡szlÃ³ Toth

List of Publications by Year
in descending order

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58	701	1040056	752698
papers	citations	9	20
		h-index	g-index

59	59	59	574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Speech Recognition-based Solution for the Automatic Detection of Mild Cognitive Impairment from Spontaneous Speech. Current Alzheimer Research, 2018, 15, 130-138.	1.4	160
2	Kernel-Based Feature Extraction with a Speech Technology Application. IEEE Transactions on Signal Processing, 2004, 52, 2250-2263.	5.3	51
3	Phone recognition with hierarchical convolutional deep maxout networks. Eurasip Journal on Audio, Speech, and Music Processing, 2015, 2015, .	2.1	50
4	Phone recognition with deep sparse rectifier neural networks. , 2013, , .		44
5	Combining time- and frequency-domain convolution in convolutional neural network-based phone recognition. , 2014, , .		43
6	Increasing the robustness of CNN acoustic models using autoregressive moving average spectrogram features and channel dropout. Pattern Recognition Letters, 2017, 100, 44-50.	4.2	31
7	DNN-Based Ultrasound-to-Speech Conversion for a Silent Speech Interface. , 0, , .		27
8	Detecting Mild Cognitive Impairment from Spontaneous Speech by Correlation-Based Phonetic Feature Selection. , 0, , .		24
9	A Comparison of Deep Neural Network Training Methods for Large Vocabulary Speech Recognition. Lecture Notes in Computer Science, 2013, , 36-43.	1.3	23
10	Application of Kernel-Based Feature Space Transformations and Learning Methods to Phoneme Classification. Applied Intelligence, 2004, 21, 129-142.	5.3	15
11	DNN-Based Feature Extraction and Classifier Combination for Child-Directed Speech, Cold and Snoring Identification. , 0, , .		15
12	Convolutional deep rectifier neural nets for phone recognition. , 0, , .		14
13	Title is missing!. International Journal of Speech Technology, 2000, 3, 263-276.	2.2	12
14	A Perceptually Inspired Data Augmentation Method for Noise Robust CNN Acoustic Models. Lecture Notes in Computer Science, 2018, , 697-706.	1.3	12
15	Laughter Classification Using Deep Rectifier Neural Networks with a Minimal Feature Subset. Archives of Acoustics, 2016, 41, 669-682.	0.8	11
16	Estimating the Sincerity of Apologies in Speech by DNN Rank Learning and Prosodic Analysis. , 0, , .		11
17	Telltale silence: temporal speech parameters discriminate between prodromal dementia and mild Alzheimerâ€™s disease. Clinical Linguistics and Phonetics, 2021, 35, 727-742.	0.9	10
18	Determining Native Language and Deception Using Phonetic Features and Classifier Combination. , 0, , .		10

#	Article	IF	Citations
19	QR code localization using deep neural networks. , 2014, , .		9
20	Selection and enhancement of Gabor filters for automatic speech recognition. International Journal of Speech Technology, 2015, 18, 1-16.	2.2	9
21	A Nonlinearized Discriminant Analysis and Its Application to Speech Impediment Therapy. Lecture Notes in Computer Science, 2001, , 249-257.	1.3	8
22	A hierarchical, context-dependent neural network architecture for improved phone recognition. , 2011, , .		7
23	Efficient visual code localization with neural networks. Pattern Analysis and Applications, 2018, 21, 249-260.	4.6	7
24	Joint Optimization of Spectro-Temporal Features and Deep Neural Nets for Robust Automatic Speech Recognition. Acta Cybernetica, 2015, 22, 117-134.	0.6	7
25	Spoken term detection based on the most probable phoneme sequence. , 2011, , .		6
26	A feature selection-based speaker clustering method for paralinguistic tasks. Pattern Analysis and Applications, 2018, 21, 193-204.	4.6	6
27	Social Signal Detection by Probabilistic Sampling DNN Training. IEEE Transactions on Affective Computing, 2020, 11, 164-177.	8.3	6
28	Cross-lingual detection of mild cognitive impairment based on temporal parameters of spontaneous speech. Computer Speech and Language, 2021, 69, 101215.	4.3	6
29	Replicator Neural Networks for Outlier Modeling in Segmental Speech Recognition. Lecture Notes in Computer Science, 2004, , 996-1001.	1.3	6
30	Modeling long temporal contexts in convolutional neural network-based phone recognition. , 2015, , .		5
31	DNN-Based Feature Extraction for Conflict Intensity Estimation From Speech. IEEE Signal Processing Letters, 2017, 24, 1837-1841.	3.6	5
32	Building context-dependent DNN acoustic models using Kullback-Leibler divergence-based state tying. , 2015, , .		4
33	The Joint Optimization of Spectro-Temporal Features and Neural Net Classifiers. Lecture Notes in Computer Science, 2013, , 552-559.	1.3	4
34	Temporal Speech Parameters Indicate Early Cognitive Decline in Elderly Patients With Type 2 Diabetes Mellitus. Alzheimer Disease and Associated Disorders, 2022, 36, 148-155.	1.3	4
35	Multi-resolution spectral input for convolutional neural network-based speech recognition. , 2017, , .		3
36	Adaptation of DNN Acoustic Models Using KL-divergence Regularization and Multi-task Training. Lecture Notes in Computer Science, 2016, , 108-115.	1.3	3

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37	Training Context-Dependent DNN Acoustic Models Using Probabilistic Sampling. , 0, , .		3
38	Reducing the Inter-speaker Variance of CNN Acoustic Models Using Unsupervised Adversarial Multi-task Training. Lecture Notes in Computer Science, 2019, , 481-490.	1.3	3
39	Detection of Phoneme Boundaries Using Spiking Neurons. Lecture Notes in Computer Science, 2008, , 782-793.	1.3	3
40	Automatic screening of mild cognitive impairment and Alzheimerâ€™s disease by means of posterior-thresholding hesitation representation. Computer Speech and Language, 2022, 75, 101377.	4.3	3
41	A segment-based interpretation of HMM/ANN hybrids. Computer Speech and Language, 2007, 21, 562-578.	4.3	2
42	Automatic recognition of temporal speech features in type 2 diabetes mellitus with mild cognitive impairment. , 2019, , .		2
43	GMM-Free Flat Start Sequence-Discriminative DNN Training. , 0, , .		2
44	Linguistic Parameters of Spontaneous Speech for Identifying Mild Cognitive Impairment and Alzheimer Disease. Computational Linguistics, 2022, 48, 119-153.	3.3	2
45	Learning phonetic rules in a speech recognition system. Lecture Notes in Computer Science, 1997, , 35-44.	1.3	1
46	Investigating the robustness of a Hungarian medical dictation system under various conditions. International Journal of Speech Technology, 2006, 9, 121-131.	2.2	1
47	Fundamental Frequency Estimation by Combinations of Various Methods. , 2006, , .		1
48	Automatic Gain Control algorithms for wireless sensors. , 2010, , .		1
49	Low-complexity audio compression methods for wireless sensors. , 2010, , .		1
50	Multi-Band Processing With Gabor Filters and Time Delay Neural Nets for Noise Robust Speech Recognition. , 2018, , .		1
51	Localization of Visual Codes in the DCT Domain Using Deep Rectifier Neural Networks. , 2014, , .		1
52	Using One-Class Classification Techniques in the Anti-phoneme Problem. Lecture Notes in Computer Science, 2009, , 433-440.	1.3	1
53	A koronavÃrus gazdasÃ¡gi hatÃ¡sai a vÃzÃ¼gyi Ã¡gazatban. BelÃ¼gyi Szemle, 2020, 68, .	0.1	1
54	Calculation of Kinetic Parameters of Thermal Decomposition of Forest Waste using the Monte Carlo Technique. Environmental and Climate Technologies, 2020, 24, 162-170.	1.4	1

#	Article	IF	Citations
55	Spoken term detection from noisy input. , 2011, , .		0
56	Application of Feature Transformation and Learning Methods in Phoneme Classification. Lecture Notes in Computer Science, 2001, , 502-512.	1.3	0
57	Hungarian Speech Synthesis Using a Phase Exact HNM Approach. Lecture Notes in Computer Science, 2002, , 181-185.	1.3	0
58	A Comparative Evaluation of GMM-Free State Tying Methods for ASR. , 0, , .		0