AscensiÃ"n Gallardo-AntolÃn

List of Publications by Year
in descending order

43 papers	493 citations	687363 13 h-index	752698 20 g-index
43 all docs	43 docs citations	43 times ranked	413 citing authors

#	Article	IF	Citations
1	Detecting Deception from Gaze and Speech Using a Multimodal Attention LSTM-Based Framework. Applied Sciences (Switzerland), 2021, 11, 6393.	2.5	15
2	An Auditory Saliency Pooling-Based LSTM Model for Speech Intelligibility Classification. Symmetry, 2021, 13, 1728.	2.2	3
3	On combining acoustic and modulation spectrograms in an attention LSTM-based system for speech intelligibility level classification. Neurocomputing, 2021, 456, 49-60.	5.9	10
4	An attention Long Short-Term Memory based system for automatic classification of speech intelligibility. Engineering Applications of Artificial Intelligence, 2020, 96, 103976.	8.1	26
5	Automatic Detection of Depression in Speech Using Ensemble Convolutional Neural Networks. Entropy, 2020, 22, 688.	2.2	50
6	Data Augmentation for Speaker Identification under Stress Conditions to Combat Gender-Based Violence. Applied Sciences (Switzerland), 2019, 9, 2298.	2.5	16
7	External Attention LSTM Models for Cognitive Load Classification from Speech. Lecture Notes in Computer Science, 2019, , 139-150.	1.3	5
8	Enhancement of a text-independent speaker verification system by using feature combination and parallel structure classifiers. Neural Computing and Applications, 2018, 29, 637-651.	5.6	7
9	The Robustness of Echoic Log-Surprise Auditory Saliency Detection. IEEE Access, 2018, 6, 72083-72093.	4.2	1
10	Echoic log-surprise: A multi-scale scheme for acoustic saliency detection. Expert Systems With Applications, 2018, 114, 255-266.	7.6	4
11	Prediction of the Degree of Parkinson's Condition Using Recordings of Patients' Voices. Advances in Intelligent Systems and Computing, 2018, , 120-129.	0.6	0
12	Towards multimodal saliency detection: An enhancement of audio-visual correlation estimation. , 2017, , .		1
13	Bird sound spectrogram decomposition through Non-Negative Matrix Factorization for the acoustic classification of bird species. PLoS ONE, 2017, 12, e0179403.	2.5	18
14	Building a Decision Support System for Inpatient Admission Prediction With the Manchester Triage System and Administrative Check-in Variables. CIN - Computers Informatics Nursing, 2016, 34, 224-230.	0.5	29
15	Acoustic Event Classification using spectral band selection and Non-Negative Matrix Factorization-based features. Expert Systems With Applications, 2016, 46, 77-86.	7.6	21
16	An Analysis of Deep Neural Networks in Broad Phonetic Classes for Noisy Speech Recognition. Lecture Notes in Computer Science, 2016, , 87-96.	1.3	0
17	Calculating classifier calibration performance with a custom modification of Weka. , 2015, , .		0
18	Emergency Department Visit Forecasting and Dynamic Nursing Staff Allocation Using Machine Learning Techniques With Readily Available Open-Source Software. CIN - Computers Informatics Nursing, 2015, 33, 368-377.	0.5	11

#	Article	IF	Citations
19	Preliminary experiments on the robustness of biologically motivated features for DNN-based ASR. , 2015, , .		0
20	Morphologically Filtered Power-Normalized Cochleograms as Robust, Biologically Inspired Features for ASR. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 2070-2080.	5.8	3
21	Feature extraction based on the high-pass filtering of audio signals for Acoustic Event Classification. Computer Speech and Language, 2015, 30, 32-42.	4.3	19
22	Temporal segmentation and keyframe selection methods for user-generated video search-based annotation. Expert Systems With Applications, 2015, 42, 488-502.	7.6	13
23	Auditory-Inspired Morphological Processing of Speech Spectrograms: Applications in Automatic Speech Recognition and Speech Enhancement. Cognitive Computation, 2013, 5, 426-441.	5.2	9
24	Design of an embedded speech-centric interface for applications in handheld terminals. IEEE Aerospace and Electronic Systems Magazine, 2013, 28, 24-33.	1.3	0
25	NMF-Based Spectral Analysis for Acoustic Event Classification Tasks. Lecture Notes in Computer Science, 2013, , 9-16.	1.3	3
26	Speech Denoising Using Non-negative Matrix Factorization with Kullback-Leibler Divergence and Sparseness Constraints. Communications in Computer and Information Science, 2012, , 207-216.	0.5	6
27	Morphological Processing of Spectrograms for Speech Enhancement. Lecture Notes in Computer Science, 2011, , 224-231.	1.3	6
28	Automatic placement of outer volume suppression slices in MR spectroscopic imaging of the human brain. Magnetic Resonance in Medicine, 2010, 63, 592-600.	3.0	17
29	Histogram Equalization-Based Features for Speech, Music, and Song Discrimination. IEEE Signal Processing Letters, 2010, 17, 659-662.	3.6	17
30	A simulated annealing approach to speaker segmentation in audio databases. Engineering Applications of Artificial Intelligence, 2008, 21, 499-508.	8.1	1
31	Robust ASR using Support Vector Machines. Speech Communication, 2007, 49, 253-267.	2.8	30
32	Offline speaker segmentation using genetic algorithms and mutual information. IEEE Transactions on Evolutionary Computation, 2006, 10, 175-186.	10.0	8
33	A comparison of front-ends for bitstream-based ASR over IP. Signal Processing, 2006, 86, 1502-1508.	3.7	13
34	Band-pass filtering of the time sequences of spectral parameters for robust wireless speech recognition. Speech Communication, 2006, 48, 1379-1398.	2.8	19
35	Recognizing GSM digital speech. IEEE Transactions on Speech and Audio Processing, 2005, 13, 1186-1205.	1.5	22
36	An Application of SVM to Lost Packets Reconstruction in Voice-Enabled Services. Lecture Notes in Computer Science, 2002, , 1174-1179.	1.3	1

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37	Recognizing voice over IP: a robust front-end for speech recognition on the world wide web. IEEE Transactions on Multimedia, 2001, 3, 209-218.	7.2	54
38	Avoiding distortions due to speech coding and transmission errors in GSM ASR tasks. , 1999, , .		13
39	Initial evaluation of a preselection module for a flexible large vocabulary speech recognition system in telephone environment. , 0, , .		5
40	Speaker Recognition under Stress Conditions. , 0, , .		3
41	A Saliency-Based Attention LSTM Model for Cognitive Load Classification from Speech. , 0, , .		7
42	Feature extraction assessment for an acoustic-event classification task using the entropy triangle. , 0, , .		5
43	NMF-based temporal feature integration for acoustic event classification. , 0, , .		2