Luis Alfonso Hernandez Gomez

List of Publications by Year
in descending order

32 papers	670 citations	840776 11 h-index	752698 20 g-index
33 all docs	33 docs citations	33 times ranked	617 citing authors

#	Article	IF	Citations
1	A Comparison of Hybrid and End-to-End ASR Systems for the IberSpeech-RTVE 2020 Speech-to-Text Transcription Challenge. Applied Sciences (Switzerland), 2022, 12, 903.	2.5	6
2	X-vector anonymization using autoencoders and adversarial training for preserving speech privacy. Computer Speech and Language, 2022, 74, 101351.	4.3	12
3	Audio-Visual Emotion Recognition System for Variable Length Spatio-Temporal Samples Using Deep Transfer-Learning. Lecture Notes in Business Information Processing, 2020, , 434-446.	1.0	2
4	Deep Neural Networks for Driver Identification Using Accelerometer Signals from Smartphones. Lecture Notes in Business Information Processing, 2019, , 206-220.	1.0	5
5	Obstructive Sleep Apnea in Women: Study of Speech and Craniofacial Characteristics. JMIR MHealth and UHealth, 2017, 5, e169.	3.7	6
6	Formant Frequencies and Bandwidths in Relation to Clinical Variables in an Obstructive Sleep Apnea Population. Journal of Voice, 2016, 30, 21-29.	1.5	20
7	Speech Signal and Facial Image Processing for Obstructive Sleep Apnea Assessment. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-13.	1.3	35
8	A Ubiquitous Sensor Network Platform for Integrating Smart Devices into the Semantic Sensor Web. Sensors, 2014, 14, 10725-10752.	3.8	11
9	Analysis of voice features related to obstructive sleep apnoea and their application in diagnosis support. Computer Speech and Language, 2014, 28, 434-452.	4.3	31
10	A Spoken Language Database for Research on Moderate Cognitive Impairment: Design and Preliminary Analysis. Lecture Notes in Computer Science, 2014, , 219-228.	1.3	9
11	Improving Automatic Detection of Obstructive Sleep Apnea Through Nonlinear Analysis of Sustained Speech. Cognitive Computation, 2013, 5, 458-472.	5.2	11
12	Sharing Human-Generated Observations by Integrating HMI and the Semantic Sensor Web. Sensors, 2012, 12, 6307-6330.	3.8	2
13	Combining pulse-based features for rejecting far-field speech in a HMM-based Voice Activity Detector. Computers and Electrical Engineering, 2011, 37, 589-600.	4.8	10
14	Robust speech detection for noisy environments. IEEE Aerospace and Electronic Systems Magazine, 2011, 26, 16-23.	1.3	7
15	Smart Cities at the Forefront of the Future Internet. Lecture Notes in Computer Science, 2011, , 447-462.	1.3	226
16	Non-verbal communication strategies to improve robustness inÂdialogue systems: a comparative study. Journal on Multimodal User Interfaces, 2009, 3, 285-297.	2.9	8
17	Assessment of Severe Apnoea through Voice Analysis, Automatic Speech, and Speaker Recognition Techniques. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	25
18	Usability evaluation of multi-modal biometric verification systems. Interacting With Computers, 2006, 18, 1101-1122.	1.5	48

#	Article	IF	Citations
19	Initialization, Training, and Context-Dependency in HMM-Based Formant Tracking. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 511-523.	3.2	17
20	Automatic phonetic segmentation. IEEE Transactions on Speech and Audio Processing, 2003, 11, 617-625.	1.5	112
21	Context modeling using RNN for keyword detection. , 1993, , .		1
22	Phonetically-driven CELP coding using self-organizing maps. , 1993, , .		4
23	High-quality vector adaptive transform coding at 4.8 kb/s. , 0, , .		3
24	Short-time synthesis procedures in vector adaptive transform coding of speech. , 0, , .		1
25	Multi-band vector excitation coding of speech at 4.8 kbps. , 0, , .		7
26	Analysis and quantization procedures for a real-time implementation of a 4.8 kb/s CELP coder. , 0, , .		1
27	Data-driven joint f/sub 0/ and duration modeling in text to speech conversion for Spanish. , 0, , .		3
28	On-line garbage modeling with discriminant analysis for utterance verification. , 0, , .		19
29	Increasing robustness in GMM speaker recognition systems for noisy and reverberant speech with low complexity microphone arrays. , 0, , .		19
30	Incremental speaker adaptation with minimum error discriminative training for speaker identification. , 0, , .		4
31	Evaluation of the Telefonica I+D Natural Numbers Recognizer over different dialects of Spanish from Spain and America. , 0, , .		0
32	A dual speech/speaker recognition using GMM in speaker identification and a HMM in keyword speech recognition. , 0, , .		5