

Luis Alfonso Hernandez Gomez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7890304/publications.pdf>

Version: 2024-02-01

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	Smart Cities at the Forefront of the Future Internet. Lecture Notes in Computer Science, 2011, , 447-462.	1.3	226
2	Automatic phonetic segmentation. IEEE Transactions on Speech and Audio Processing, 2003, 11, 617-625.	1.5	112
3	Usability evaluation of multi-modal biometric verification systems. Interacting With Computers, 2006, 18, 1101-1122.	1.5	48
4	Speech Signal and Facial Image Processing for Obstructive Sleep Apnea Assessment. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-13.	1.3	35
5	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
6	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
7	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
8	On-line garbage modeling with discriminant analysis for utterance verification. , 0, , .		19
9	Increasing robustness in GMM speaker recognition systems for noisy and reverberant speech with low complexity microphone arrays. , 0, , .		19
10	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
11	X-vector anonymization using autoencoders and adversarial training for preserving speech privacy. Computer Speech and Language, 2022, 74, 101351.	4.3	12
12	Improving Automatic Detection of Obstructive Sleep Apnea Through Nonlinear Analysis of Sustained Speech. Cognitive Computation, 2013, 5, 458-472.	5.2	11
13	A Ubiquitous Sensor Network Platform for Integrating Smart Devices into the Semantic Sensor Web. Sensors, 2014, 14, 10725-10752.	3.8	11
14	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
15	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
16	Non-verbal communication strategies to improve robustness in dialogue systems: a comparative study. Journal on Multimodal User Interfaces, 2009, 3, 285-297.	2.9	8
17	Multi-band vector excitation coding of speech at 4.8 kbps. , 0, , .		7
18	Robust speech detection for noisy environments. IEEE Aerospace and Electronic Systems Magazine, 2011, 26, 16-23.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Obstructive Sleep Apnea in Women: Study of Speech and Craniofacial Characteristics. JMIR MHealth and UHealth, 2017, 5, e169.	3.7	6
20	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
21	A dual speech/speaker recognition using GMM in speaker identification and a HMM in keyword speech recognition. , 0, , .		5
22	Deep Neural Networks for Driver Identification Using Accelerometer Signals from Smartphones. Lecture Notes in Business Information Processing, 2019, , 206-220.	1.0	5
23	Phonetically-driven CELP coding using self-organizing maps. , 1993, , .		4
24	Incremental speaker adaptation with minimum error discriminative training for speaker identification. , 0, , .		4
25	High-quality vector adaptive transform coding at 4.8 kb/s. , 0, , .		3
26	Data-driven joint f/sub 0/ and duration modeling in text to speech conversion for Spanish. , 0, , .		3
27	Sharing Human-Generated Observations by Integrating HMI and the Semantic Sensor Web. Sensors, 2012, 12, 6307-6330.	3.8	2
28	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
29	Short-time synthesis procedures in vector adaptive transform coding of speech. , 0, , .		1
30	Analysis and quantization procedures for a real-time implementation of a 4.8 kb/s CELP coder. , 0, , .		1
31	Context modeling using RNN for keyword detection. , 1993, , .		1
32	Evaluation of the Telefonica I+D Natural Numbers Recognizer over different dialects of Spanish from Spain and America. , 0, , .		0