Juan M Montero

List of Publications by Year
in descending order

53 papers	**831** citations	686830 **13** h-index	525886 **27** g-index
53 all docs	**53** docs citations	**53** times ranked	**763** citing authors

#	Article	IF	Citations
1	Fine-Tuning BERT Models for Intent Recognition Using a Frequency Cut-Off Strategy for Domain-Specific Vocabulary Extension. Applied Sciences (Switzerland), 2022, 12, 1610.	1.3	4
2	A Proposal for Multimodal Emotion Recognition Using Aural Transformers and Action Units on RAVDESS Dataset. Applied Sciences (Switzerland), 2022, 12, 327.	1.3	26
3	Detecting Deception from Gaze and Speech Using a Multimodal Attention LSTM-Based Framework. Applied Sciences (Switzerland), 2021, 11, 6393.	1.3	15
4	An Auditory Saliency Pooling-Based LSTM Model for Speech Intelligibility Classification. Symmetry, 2021, 13, 1728.	1.1	3
5	On combining acoustic and modulation spectrograms in an attention LSTM-based system for speech intelligibility level classification. Neurocomputing, 2021, 456, 49-60.	3.5	10
6	Multimodal Emotion Recognition on RAVDESS Dataset Using Transfer Learning. Sensors, 2021, 21, 7665.	2.1	41
7	Predicting Image Aesthetics for Intelligent Tourism Information Systems. Electronics (Switzerland), 2019, 8, 671.	1.8	7
8	Parkinson's Disease Detection from Drawing Movements Using Convolutional Neural Networks. Electronics (Switzerland), 2019, 8, 907.	1.8	71
9	External Attention LSTM Models for Cognitive Load Classification from Speech. Lecture Notes in Computer Science, 2019, , 139-150.	1.0	5
10	Cross-Cultural Perception of Spanish Synthetic Expressive Voices Among Asians. Applied Sciences (Switzerland), 2018, 8, 426.	1.3	1
11	Prediction of the Degree of Parkinson's Condition Using Recordings of Patients' Voices. Advances in Intelligent Systems and Computing, 2018, , 120-129.	0.5	0
12	HMM Adaptation for Improving a Human Activity Recognition System. Algorithms, 2016, 9, 60.	1.2	10
13	Feature extraction from smartphone inertial signals for human activity segmentation. Signal Processing, 2016, 120, 359-372.	2.1	81
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.	0.3	29
15	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.	0.3	11
16	Emotion transplantation through adaptation in HMM-based speech synthesis. Computer Speech and Language, 2015, 34, 292-307.	2.9	27
17	Topic identification techniques applied to dynamic language model adaptation for automatic speech recognition. Expert Systems With Applications, 2015, 42, 101-112.	4.4	14
18	Tag Detection for Preventing Unauthorized Face Image Processing. Lecture Notes in Computer Science, 2015, , 513-524.	1.0	2

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19	A web-based application for the management and evaluation of tutoring requests in PBL-based massive laboratories. , 2014, , .		0
20	Towards Cross-Lingual Emotion Transplantation. Lecture Notes in Computer Science, 2014, , 199-208.	1.0	2
21	A satisfaction-based model for affect recognition from conversational features in spoken dialog systems. Speech Communication, 2013, 55, 825-840.	1.6	15
22	LSESpeak: A spoken language generator for Deaf people. Expert Systems With Applications, 2013, 40, 1283-1295.	4.4	12
23	NEMOHIFI. , 2013, , .		0
24	I Feel You: The Design and Evaluation of a Domotic Affect-Sensitive Spoken Conversational Agent. Sensors, 2013, 13, 10519-10538.	2.1	13
25	A speech interface for air traffic control terminals. Aerospace Science and Technology, 2012, 21, 7-15.	2.5	13
26	Towards building intelligent speech interfaces through the use of more flexible, robust and natural dialogue management solutions. Interacting With Computers, 2012, 24, 482-498.	1.0	1
27	Assessing User Bias in Affect Detection within Context-Based Spoken Dialog Systems. , 2012, , .		0
28	Design, development and field evaluation of a Spanish into sign language translation system. Pattern Analysis and Applications, 2012, 15, 203-224.	3.1	32
29	Automatic categorization for improving Spanish into Spanish Sign Language machine translation. Computer Speech and Language, 2012, 26, 149-167.	2.9	11
30	Application of backend database contents and structure to the design of spoken dialog services. Expert Systems With Applications, 2012, 39, 5665-5680.	4.4	0
31	I Feel You: Towards Affect-Sensitive Domotic Spoken Conversational Agents. Lecture Notes in Computer Science, 2012, , 261-269.	1.0	0
32	Automatic Understanding of ATC Speech: Study of Prospectives and Field Experiments for Several Controller Positions. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 2709-2730.	2.6	6
33	Speaker Diarization Based on Intensity Channel Contribution. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 754-761.	3.8	11
34	Development of a Wiimote-based Gesture Recognizer in a Microprocessor Laboratory Course. International Journal of Emerging Technologies in Learning, 2011, 6, 26.	0.8	1
35	Analysis of statistical parametric and unit selection speech synthesis systems applied to emotional speech. Speech Communication, 2010, 52, 394-404.	1.6	57
36	Development of a Wiimote-based gesture recognizer in a microprocessor laboratory course. , 2010, , .		6

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37	Histogram Equalization-Based Features for Speech, Music, and Song Discrimination. IEEE Signal Processing Letters, 2010, 17, 659-662.	2.1	17
38	A Bayesian NETWORKS approach for dialog modeling: The fusion BN. , 2009, , .		5
39	Strengthening Web Based Learning through Software Quality Analysis. Lecture Notes in Computer Science, 2009, , 277-286.	1.0	2
40	Speech to sign language translation system for Spanish. Speech Communication, 2008, 50, 1009-1020.	1.6	76
41	Proposing a speech to gesture translation architecture for Spanish deaf people. Journal of Visual Languages and Computing, 2008, 19, 523-538.	1.8	25
42	In Search of Primary Rubrics for Language Independent Emotional Speech Identification. , 2007, , .		2
43	Air traffic control speech recognition system cross-task and speaker adaptation. IEEE Aerospace and Electronic Systems Magazine, 2006, 21, 12-17.	2.3	14
44	A Project-Based Learning Approach to Design Electronic Systems Curricula. IEEE Transactions on Education, 2006, 49, 389-397.	2.0	120
45	Adapting a Search Algorithm for the Spanish Railway Network. Transportation Planning and Technology, 2006, 29, 25-42.	0.9	0
46	Integration of acoustic information and PPRLM scores in a multiple-Gaussian classifier for Language Identification. , 2006, , .		2
47	Automatic Understanding of ATC Speech. IEEE Aerospace and Electronic Systems Magazine, 2006, 21, 12-17.	2.3	7
48	Knowledge-Combining Methodology for Dialogue Design in Spoken Language Systems. International Journal of Speech Technology, 2005, 8, 45-66.	1.4	3
49	Selection of the most significant parameters for duration modelling in a Spanish text-to-speech system using neural networks. Computer Speech and Language, 2002, 16, 183-203.	2.9	7
50	A Saliency-Based Attention LSTM Model for Cognitive Load Classification from Speech. , 0, , .		7
51	Detecting acronyms from capital letter sequences in Spanish. , 0, , .		1
52	Towards glottal source controllability in expressive speech synthesis. , 0, , .		6
53	Predicting Group-Level Skin Attention to Short Movies from Audio-Based LSTM-Mixture of Experts Models. , 0, , .		0