

Juan M Montero

List of Publications by Year in descending order

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Version: 2024-02-01

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 | A Project-Based Learning Approach to Design Electronic Systems Curricula. IEEE Transactions on Education, 2006, 49, 389-397. | 2.0 | 120 |
| 2 | Feature extraction from smartphone inertial signals for human activity segmentation. Signal Processing, 2016, 120, 359-372. | 2.1 | 81 |
| 3 | Speech to sign language translation system for Spanish. Speech Communication, 2008, 50, 1009-1020. | 1.6 | 76 |
| 4 | Parkinson's Disease Detection from Drawing Movements Using Convolutional Neural Networks. Electronics (Switzerland), 2019, 8, 907. | 1.8 | 71 |
| 5 | Analysis of statistical parametric and unit selection speech synthesis systems applied to emotional speech. Speech Communication, 2010, 52, 394-404. | 1.6 | 57 |
| 6 | Multimodal Emotion Recognition on RAVDESS Dataset Using Transfer Learning. Sensors, 2021, 21, 7665. | 2.1 | 41 |
| 7 | Design, development and field evaluation of a Spanish into sign language translation system. Pattern Analysis and Applications, 2012, 15, 203-224. | 3.1 | 32 |
| 8 | 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 |
| 9 | Emotion transplantation through adaptation in HMM-based speech synthesis. Computer Speech and Language, 2015, 34, 292-307. | 2.9 | 27 |
| 10 | A Proposal for Multimodal Emotion Recognition Using Aural Transformers and Action Units on RAVDESS Dataset. Applied Sciences (Switzerland), 2022, 12, 327. | 1.3 | 26 |
| 11 | Proposing a speech to gesture translation architecture for Spanish deaf people. Journal of Visual Languages and Computing, 2008, 19, 523-538. | 1.8 | 25 |
| 12 | Histogram Equalization-Based Features for Speech, Music, and Song Discrimination. IEEE Signal Processing Letters, 2010, 17, 659-662. | 2.1 | 17 |
| 13 | A satisfaction-based model for affect recognition from conversational features in spoken dialog systems. Speech Communication, 2013, 55, 825-840. | 1.6 | 15 |
| 14 | Detecting Deception from Gaze and Speech Using a Multimodal Attention LSTM-Based Framework. Applied Sciences (Switzerland), 2021, 11, 6393. | 1.3 | 15 |
| 15 | Air traffic control speech recognition system cross-task and speaker adaptation. IEEE Aerospace and Electronic Systems Magazine, 2006, 21, 12-17. | 2.3 | 14 |
| 16 | Topic identification techniques applied to dynamic language model adaptation for automatic speech recognition. Expert Systems With Applications, 2015, 42, 101-112. | 4.4 | 14 |
| 17 | A speech interface for air traffic control terminals. Aerospace Science and Technology, 2012, 21, 7-15. | 2.5 | 13 |
| 18 | I Feel You: The Design and Evaluation of a Domotic Affect-Sensitive Spoken Conversational Agent. Sensors, 2013, 13, 10519-10538. | 2.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | LSESpeak: A spoken language generator for Deaf people. Expert Systems With Applications, 2013, 40, 1283-1295. | 4.4 | 12 |
| 20 | Speaker Diarization Based on Intensity Channel Contribution. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 754-761. | 3.8 | 11 |
| 21 | Automatic categorization for improving Spanish into Spanish Sign Language machine translation. Computer Speech and Language, 2012, 26, 149-167. | 2.9 | 11 |
| 22 | 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 |
| 23 | HMM Adaptation for Improving a Human Activity Recognition System. Algorithms, 2016, 9, 60. | 1.2 | 10 |
| 24 | 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 |
| 25 | 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 |
| 26 | Automatic Understanding of ATC Speech. IEEE Aerospace and Electronic Systems Magazine, 2006, 21, 12-17. | 2.3 | 7 |
| 27 | Predicting Image Aesthetics for Intelligent Tourism Information Systems. Electronics (Switzerland), 2019, 8, 671. | 1.8 | 7 |
| 28 | A Saliency-Based Attention LSTM Model for Cognitive Load Classification from Speech. , 0, , . | | 7 |
| 29 | Development of a Wiimote-based gesture recognizer in a microprocessor laboratory course. , 2010, , . | | 6 |
| 30 | 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 |
| 31 | Towards glottal source controllability in expressive speech synthesis. , 0, , . | | 6 |
| 32 | A Bayesian NETWORKS approach for dialog modeling: The fusion BN. , 2009, , . | | 5 |
| 33 | External Attention LSTM Models for Cognitive Load Classification from Speech. Lecture Notes in Computer Science, 2019, , 139-150. | 1.0 | 5 |
| 34 | 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 |
| 35 | Knowledge-Combining Methodology for Dialogue Design in Spoken Language Systems. International Journal of Speech Technology, 2005, 8, 45-66. | 1.4 | 3 |
| 36 | An Auditory Saliency Pooling-Based LSTM Model for Speech Intelligibility Classification. Symmetry, 2021, 13, 1728. | 1.1 | 3 |

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|----|---|-----|-----------|
| 37 | Integration of acoustic information and PPRLM scores in a multiple-Gaussian classifier for Language Identification. , 2006, , . | | 2 |
| 38 | In Search of Primary Rubrics for Language Independent Emotional Speech Identification. , 2007, , . | | 2 |
| 39 | Towards Cross-Lingual Emotion Transplantation. Lecture Notes in Computer Science, 2014, , 199-208. | 1.0 | 2 |
| 40 | Strengthening Web Based Learning through Software Quality Analysis. Lecture Notes in Computer Science, 2009, , 277-286. | 1.0 | 2 |
| 41 | Tag Detection for Preventing Unauthorized Face Image Processing. Lecture Notes in Computer Science, 2015, , 513-524. | 1.0 | 2 |
| 42 | 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 |
| 43 | Cross-Cultural Perception of Spanish Synthetic Expressive Voices Among Asians. Applied Sciences (Switzerland), 2018, 8, 426. | 1.3 | 1 |
| 44 | 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 |
| 45 | Detecting acronyms from capital letter sequences in Spanish. , 0, , . | | 1 |
| 46 | Adapting a Search Algorithm for the Spanish Railway Network. Transportation Planning and Technology, 2006, 29, 25-42. | 0.9 | 0 |
| 47 | Assessing User Bias in Affect Detection within Context-Based Spoken Dialog Systems. , 2012, , . | | 0 |
| 48 | 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 |
| 49 | NEMOHIFI. , 2013, , . | | 0 |
| 50 | A web-based application for the management and evaluation of tutoring requests in PBL-based massive laboratories. , 2014, , . | | 0 |
| 51 | I Feel You: Towards Affect-Sensitive Domotic Spoken Conversational Agents. Lecture Notes in Computer Science, 2012, , 261-269. | 1.0 | 0 |
| 52 | Prediction of the Degree of Parkinsonâ€™s Condition Using Recordings of Patientsâ€™ Voices. Advances in Intelligent Systems and Computing, 2018, , 120-129. | 0.5 | 0 |
| 53 | Predicting Group-Level Skin Attention to Short Movies from Audio-Based LSTM-Mixture of Experts Models. , 0, , . | | 0 |