# JuliÃ¡n D D Arias-LondoÃ±o

List of Publications by Year
in descending order



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|---|---|---|---|
| 60 papers | 1,116 citations | 567144 15 h-index | 477173 29 g-index |
| 62 all docs | 62 docs citations | 62 times ranked | 852 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Automatic Classification of Diagnosis-Related Groups Using ANN and XGBoost Models. Communications in Computer and Information Science, 2021, , 88-102. | 0.4 | 0 |
| 2 | On the design of automatic voice condition analysis systems. Part III: review of acoustic modelling strategies. Biomedical Signal Processing and Control, 2021, 66, 102049. | 3.5 | 12 |
| 3 | Advances in Parkinson's Disease detection and assessment using voice and speech: A review of the articulatory and phonatory aspects. Biomedical Signal Processing and Control, 2021, 66, 102418. | 3.5 | 80 |
| 4 | Multimodal and Multi-Output Deep Learning Architectures for the Automatic Assessment of Voice Quality Using the GRB Scale. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 413-422. | 7.3 | 9 |
| 5 | Differential Profile of Systemic Extracellular Vesicles From Sporadic and Familial Alzheimerâ€™s Disease Leads to Neuroglial and Endothelial Cell Degeneration. Frontiers in Aging Neuroscience, 2020, 12, 587989. | 1.7 | 16 |
| 6 | Common disbalance in the brain parenchyma of dementias: Phospholipid profile analysis between CADASIL and sporadic Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165797. | 1.8 | 12 |
| 7 | Classification of Diagnosis-Related Groups using Computational Intelligence Techniques.. , 2020, , . | | 3 |
| 8 | Artificial Intelligence Applied to Chest X-Ray Images for the Automatic Detection of COVID-19. A Thoughtful Evaluation Approach. IEEE Access, 2020, 8, 226811-226827. | 2.6 | 70 |
| 9 | Predicting UPDRS Scores in Parkinsonâ€™s Disease Using Voice Signals: A Deep Learning/Transfer-Learning-Based Approach. Communications in Computer and Information Science, 2020, , 100-123. | 0.4 | 1 |
| 10 | Automatic classification of event logs sequences for failure detection in WfM/BPM systems. , 2019, , . | | 2 |
| 11 | Fail Detection in WfM/BPM Systems from Event Log Sequences Using HMM-Type Models. Communications in Computer and Information Science, 2019, , 223-234. | 0.4 | 0 |
| 12 | Sentiment Analysis of News Articles in Spanish using Predicate Features. Lenguaje, 2019, 47, 235-267. | 0.1 | 0 |
| 13 | Changes in the hippocampal and peripheral phospholipid profiles are associated with neurodegeneration hallmarks in a long-term global cerebral ischemia model: Attenuation by Linalool. Neuropharmacology, 2018, 135, 555-571. | 2.0 | 31 |
| 14 | ByoVoz Automatic Voice Condition Analysis System for the 2018 FEMH Challenge. , 2018, , . | | 3 |
| 15 | MapReduce and Spark-based architecture for bi-class classification using SVM. , 2018, , . | | 0 |
| 16 | Protein Disorder Prediction using Jumping Motifs from Torsion Angles Dynamics in Ramachandran Plots. , 2018, , . | | 0 |
| 17 | Differential Pattern of Phospholipid Profile in the Temporal Cortex from E280A-Familiar and Sporadic Alzheimerâ€™s Disease Brains. Journal of Alzheimer's Disease, 2017, 61, 209-219. | 1.2 | 27 |
| 18 | Fraud detection in big data using supervised and semi-supervised learning techniques. , 2017, , . | | 32 |

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|---|---|---|---|
| 19 | Protein Disorder Prediction using Information Theory Measures on the Distribution of the Dihedral Torsion Angles from Ramachandran Plots. , 2017, , . | | 0 |
| 20 | Automatic Feature Selection in the SOPFs Dissolution Profiles Prediction Problem. , 2017, , . | | 0 |
| 21 | BACE1 RNAi Restores the Composition of Phosphatidylethanolamine-Derivates Related to Memory Improvement in Aged 3xTg-AD Mice. Frontiers in Cellular Neuroscience, 2016, 10, 260. | 1.8 | 20 |
| 22 | On-line signature verification using Gaussian Mixture Models and small-sample learning strategies. Revista Facultad De IngenierÃa, 2016, , . | 0.5 | 1 |
| 23 | Automatic detection of Parkinson's disease in running speech spoken in three different languages. Journal of the Acoustical Society of America, 2016, 139, 481-500. | 0.5 | 151 |
| 24 | Towards an automatic monitoring of the neurological state of Parkinson's patients from speech. , 2016, , . | | 31 |
| 25 | Non-linear Dynamics Characterization from Wavelet Packet Transform for Automatic Recognition of Emotional Speech. Smart Innovation, Systems and Technologies, 2016, , 199-207. | 0.5 | 5 |
| 26 | Automatic emotion recognition in compressed speech using acoustic and non-linear features. , 2015, , . | | 7 |
| 27 | Nonlinear glottal flow features in Parkinson's disease detection. , 2015, , . | | 2 |
| 28 | Spectral and cepstral analyses for Parkinson's disease detection in Spanish vowels and words. Expert Systems, 2015, 32, 688-697. | 2.9 | 34 |
| 29 | Entropies from Markov Models as Complexity Measures of Embedded Attractors. Entropy, 2015, 17, 3595-3620. | 1.1 | 13 |
| 30 | Emotion recognition from speech under environmental noise conditions using wavelet decomposition. , 2015, , . | | 7 |
| 31 | Time-frequency approach in continuous speech for detection of Parkinson's disease. , 2015, , . | | 4 |
| 32 | Time Dependent ARMA for Automatic Recognition of Fear-Type Emotions in Speech. Lecture Notes in Computer Science, 2015, , 96-104. | 1.0 | 0 |
| 33 | Characterization Methods for the Detection of Multiple Voice Disorders: Neurological, Functional, and Laryngeal Diseases. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1820-1828. | 3.9 | 96 |
| 34 | Evaluation of wavelet measures on automatic detection of emotion in noisy and telephony speech signals. , 2014, , . | | 7 |
| 35 | Modulation spectra for automatic detection of Parkinson's disease. , 2014, , . | | 4 |
| 36 | Evaluation of the effects of speech enhancement algorithms on the detection of fundamental frequency of speech. , 2014, , . | | 0 |

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| 37 | Phonation and Articulation Analysis of Spanish Vowels for Automatic Detection of Parkinsonâ€™s Disease. Lecture Notes in Computer Science, 2014, , 374-381. | 1.0 | 8 |
| 38 | Nonlinear Dynamics for Hypernasality Detection in Spanish Vowels and Words. Cognitive Computation, 2013, 5, 448-457. | 3.6 | 21 |
| 39 | Design and implementation of an embedded system for real time analysis of speech from people with Parkinson's disease. , 2013, , . | | 2 |
| 40 | Automatic detection of Parkinson's disease using noise measures of speech. , 2013, , . | | 11 |
| 41 | Automatic assessment of voice signals according to the GRBAS scale using modulation spectra, Mel frequency Cepstral Coefficients and Noise parameters. , 2013, , . | | 8 |
| 42 | Analysis of Speech from People with Parkinsonâ€™s Disease through Nonlinear Dynamics. Lecture Notes in Computer Science, 2013, , 112-119. | 1.0 | 24 |
| 43 | Emotion recognition from telephone speech using acoustic and nonlinear features. , 2013, , . | | 0 |
| 44 | Perceptual Analysis of Speech Signals from People with Parkinsonâ€™s Disease. Lecture Notes in Computer Science, 2013, , 201-211. | 1.0 | 13 |
| 45 | New Cues in Low-Frequency of Speech for Automatic Detection of Parkinsonâ€™s Disease. Lecture Notes in Computer Science, 2013, , 283-292. | 1.0 | 7 |
| 46 | Multi-labeler Analysis for Bi-class Problems Based on Soft-Margin Support Vector Machines. Lecture Notes in Computer Science, 2013, , 274-282. | 1.0 | 2 |
| 47 | Objective measurements to evaluate glottal space segmentation from laryngeal images. , 2012, 2012, 5396-9. | | 1 |
| 48 | Automatic emotion detection in speech using mel frequency cesptral coefficients. , 2012, , . | | 3 |
| 49 | Feature selection for hypernasality detection using PCA, LDA, kernel PCA and greedy kernel PCA. , 2012, , . | | 0 |
| 50 | Automatic detection of laryngeal pathologies using cepstral analysis in Mel and Bark scales. , 2012, , . | | 4 |
| 51 | Towards collaborative work among speech therapists, phoniatricians, and ENT professionals: Analysis of the impact of ciphering techniques in the performance of an integrated tool for the diagnosis of voice disorders. Biomedical Signal Processing and Control, 2012, 7, 27-36. | 3.5 | 1 |
| 52 | Towards objective evaluation of perceived roughness and breathiness: An approach based on mel-frequency cepstral analysis. Logopedics Phoniatrics Vocology, 2011, 36, 52-59. | 0.5 | 5 |
| 53 | Automatic Detection of Hypernasality in Children. Lecture Notes in Computer Science, 2011, , 167-174. | 1.0 | 18 |
| 54 | Automatic Detection of Pathological Voices Using Complexity Measures, Noise Parameters, and Mel-Cepstral Coefficients. IEEE Transactions on Biomedical Engineering, 2011, 58, 370-379. | 2.5 | 123 |

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| 55 | On combining information from modulation spectra and mel-frequency cepstral coefficients for automatic detection of pathological voices. Logopedics Phoniatrics Vocology, 2011, 36, 60-69. | 0.5 | 59 |
| 56 | Nonlinear Dynamics for Hypernasality Detection. Lecture Notes in Computer Science, 2011, , 207-214. | 1.0 | 8 |
| 57 | An improved method for voice pathology detection by means of a HMM-based feature space transformation. Pattern Recognition, 2010, 43, 3100-3112. | 5.1 | 65 |
| 58 | Dysphonia detection based on modulation spectral features and cepstral coefficients. , 2010, , . | | 23 |
| 59 | Complexity analysis of pathological voices by means of hidden markov entropy measurements. , 2009, 2009, 2248-51. | | 10 |
| 60 | Effects of Audio Compression in Automatic Detection of Voice Pathologies. IEEE Transactions on Biomedical Engineering, 2008, 55, 2831-2835. | 2.5 | 14 |