Jesús B Alonso

List of Publications by Year
in descending order

68 papers	1,720 citations	430874 18 h-index	302126 39 g-index
71 all docs	71 docs citations	71 times ranked	1626 citing authors

#	Article	IF	Citations
1	Speech evaluation of patients with Alzheimer's disease using an automatic interviewer. Expert Systems With Applications, 2022, 192, 116386.	7.6	1
2	Robust Detection of Fatigue Parameters Based on Infrared Information. IEEE Access, 2021, 9, 18209-18221.	4.2	3
3	Using a Human Interviewer or an Automatic Interviewer in the Evaluation of Patients with AD from Speech. Applied Sciences (Switzerland), 2021, 11, 3228.	2.5	1
4	One vs. One Offline Signature Verification: A Forensic Handwriting Examiners Perspective. , 2021, , .		1
5	Neural networks fusion for temperature forecasting. Neural Computing and Applications, 2020, 32, 15699-15710.	5.6	4
6	Towards robust voice pathology detection. Neural Computing and Applications, 2020, 32, 15747-15757.	5.6	44
7	Writer identification approach by holistic graphometric features using off-line handwritten words. Neural Computing and Applications, 2020, 32, 15733-15746.	5.6	8
8	Alzheimer's disease and automatic speech analysis: A review. Expert Systems With Applications, 2020, 150, 113213.	7.6	64
9	Modeling a robust wind-speed forecasting to apply to wind-energy production. Neural Computing and Applications, 2019, 31, 7891-7905.	5.6	5
10	Astrotourism and Night Sky Brightness Forecast: First Probabilistic Model Approach. Sensors, 2019, 19, 2840.	3.8	5
11	Acoustic Classification of Singing Insects Based on MFCC/LFCC Fusion. Applied Sciences (Switzerland), 2019, 9, 4097.	2.5	25
12	Improving the performance of the lip identification through the use of shape correction. Applied Intelligence, 2019, 49, 1823-1840.	5.3	3
13	Evidence of a Task-Independent Neural Signature in the Spectral Shape of the Electroencephalogram. International Journal of Neural Systems, 2018, 28, 1750035.	5.2	10
14	Monitoring Progress of Parkinson's Disease Based on Changes in Phonation: a Pilot Study. , 2018, , .		0
15	Predicting Thalasso Tourist Delight: A Hybrid SEM—Artificial Intelligence Analysis. Complexity, 2018, 2018, 1-14.	1.6	2
16	Stability-based system for bearing fault early detection. Expert Systems With Applications, 2017, 79, 65-75.	7.6	18
17	Detection of different voice diseases based on the nonlinear characterization of speech signals. Expert Systems With Applications, 2017, 82, 184-195.	7.6	31
18	Continuous tracking of the emotion temperature. Neurocomputing, 2017, 255, 17-25.	5.9	8

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19	Automatic anuran identification using noise removal and audio activity detection. Expert Systems With Applications, 2017, 72, 83-92.	7.6	39
20	A Digital Communication Analysis of Gene Expression of Proteins in Biological Systems: A Layered Network Model View. Cognitive Computation, 2017, 9, 43-67.	5.2	13
21	Identification of hypokinetic dysarthria using acoustic analysis of poem recitation. , 2017, , .		5
22	Temperature Control by Its Forecasting Applying Score Fusion for Sustainable Development. Sustainability, 2017, 9, 193.	3.2	3
23	A Low Cost Wireless Acoustic Sensor for Ambient Assisted Living Systems. Applied Sciences (Switzerland), 2017, 7, 877.	2.5	21
24	Voice re-education and its evaluation through digital signal processing: A case study. Loquens, 2017, 4, 040.	0.1	0
25	Kinematic Modelling of Dipthong Articulation. Smart Innovation, Systems and Technologies, 2016, , 53-60.	0.6	8
26	Application of the Lognormal Model to the Vocal Tract Movement to Detect Neurological Diseases in Voice. Smart Innovation, Systems and Technologies, 2016, , 25-35.	0.6	5
27	EEG biometric identification: a thorough exploration of the time-frequency domain. Journal of Neural Engineering, 2015, 12, 056019.	3.5	69
28	Symmetry Extraction in High Sensitivity Melanoma Diagnosis. Symmetry, 2015, 7, 1061-1079.	2.2	2
29	Robust and complex approach of pathological speech signal analysis. Neurocomputing, 2015, 167, 94-111.	5.9	101
30	Real cepstrums on electroencephalogram biometric identification. , 2015, , .		0
31	Novel method for early bearing fault detection based on dynamic stability measure. , 2015, , .		5
32	New approach in quantification of emotional intensity from the speech signal: emotional temperature. Expert Systems With Applications, 2015, 42, 9554-9564.	7.6	58
33	Human Computer Interactions in Next-Generation of Aircraft Smart Navigation Management Systems: Task Analysis and Architecture under an Agent-Oriented Methodological Approach. Sensors, 2015, 15, 5228-5250.	3.8	9
34	Assessing progress of Parkinson's disease using acoustic analysis of phonation. , 2015, , .		19
35	Advance in the bat acoustic identification systems based on the audible spectrum using nonlinear dynamics characterization. Expert Systems With Applications, 2015, 42, 9528-9538.	7.6	4
36	A study of glottal excitation synthesizers for different voice qualities. Neurocomputing, 2015, 150, 367-376.	5.9	5

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37	Nonlinear dynamics characterization of emotional speech. Neurocomputing, 2014, 132, 126-135.	5.9	21
38	Hand shape identification on multirange images. Information Sciences, 2014, 275, 45-56.	6.9	17
39	An automatic acoustic bat identification system based on the audible spectrum. Expert Systems With Applications, 2014, 41, 5451-5465.	7.6	21
40	Fused intra-bimodal face verification approach based on Scale-Invariant Feature Transform and a vocabulary tree. Pattern Recognition Letters, 2014, 36, 254-260.	4.2	6
41	Using a Discrete Hidden Markov Model Kernel for lip-based biometric identification. Image and Vision Computing, 2014, 32, 1080-1089.	4.5	13
42	Building a Cepstrum-HMM kernel for Apnea identification. Neurocomputing, 2014, 132, 159-165.	5.9	22
43	Review of Automatic Fault Diagnosis Systems Using Audio and Vibration Signals. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 642-652.	9.3	219
44	Electroencephalogram subject identification: A review. Expert Systems With Applications, 2014, 41, 6537-6554.	7.6	104
45	Emotional speech characterization for real time applications in real environments. , 2014, , .		0
46	Automatic Apnea Identification by Transformation of the Cepstral Domain. Cognitive Computation, 2013, 5, 558-565.	5.2	6
47	Meteorological Prediction Implemented on Field-Programmable Gate Array. Cognitive Computation, 2013, 5, 551-557.	5.2	4
48	Application of the Teagerâ€"Kaiser energy operator in bearing fault diagnosis. ISA Transactions, 2013, 52, 278-284.	5.7	96
49	Spider specie identification and verification based on pattern recognition of it cobweb. Expert Systems With Applications, 2013, 40, 4213-4225.	7.6	8
50	Special Issue on Advanced Cognitive Systems Based on Nonlinear Analysis. Cognitive Computation, 2013, 5, 397-398.	5.2	6
51	Automatic scene calibration for detecting and tracking people using a single camera. Engineering Applications of Artificial Intelligence, 2013, 26, 924-935.	8.1	4
52	Using calligraphies features for off line writer identification. , 2013, , .		1
53	Writer identification on mobile device based on handwritten. , 2013, , .		5
54	Automatic Detection of Laryngeal Pathologies in Running Speech Based on the HMM Transformation of the Nonlinear Dynamics. Lecture Notes in Computer Science, 2013, , 136-143.	1.3	2

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55	Using Fixed Point Arithmetic for Cardiac Pathologies Detection Based on Electrocardiogram. Lecture Notes in Computer Science, 2013, , 242-249.	1.3	0
56	Bimodal biometric verification based on face and lips. Neurocomputing, 2011, 74, 2407-2410.	5.9	17
57	Artificial Neural Network in FPGA for Temperature Prediction. Lecture Notes in Computer Science, 2011, , 104-110.	1.3	2
58	Writer identification based on graphology techniques. IEEE Aerospace and Electronic Systems Magazine, 2010, 25, 35-42.	1.3	10
59	Intra-modal biometric system using hand-geometry and palmprint texture. , 2010, , .		10
60	Signature verification using local directional pattern (LDP). , 2010, , .		19
61	Robust identification of persons by lips contour using shape transformation. , 2010, , .		5
62	Characterization of Healthy and Pathological Voice Through Measures Based on Nonlinear Dynamics. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1186-1195.	3.2	115
63	Discriminative common vector for face identification. , 2009, , .		4
64	Handwriting Knowledge Based on Parameterization for Writer Identification. Lecture Notes in Electrical Engineering, 2009, , 3-13.	0.4	1
65	Angular Contour Parameterization for Signature Identification. Lecture Notes in Computer Science, 2009, , 358-365.	1.3	2
66	Comparing infrared and visible illumination for contactless hand based biometric scheme. , 2008, , .		29
67	Offline geometric parameters for automatic signature verification using fixed-point arithmetic. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 993-997.	13.9	266
68	Automatic Detection of Pathologies in The Voice by HOS Based Parameters. Eurasip Journal on Advances in Signal Processing, 2001, 2001, 275-284.	1.7	78