

Jesús B Alonso

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	Electroencephalogram subject identification: A review. Expert Systems With Applications, 2014, 41, 6537-6554.	7.6	104
5	Robust and complex approach of pathological speech signal analysis. Neurocomputing, 2015, 167, 94-111.	5.9	101
6	Application of the Teagerâ€Kaiser energy operator in bearing fault diagnosis. ISA Transactions, 2013, 52, 278-284.	5.7	96
7	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
8	EEG biometric identification: a thorough exploration of the time-frequency domain. Journal of Neural Engineering, 2015, 12, 056019.	3.5	69
9	Alzheimer's disease and automatic speech analysis: A review. Expert Systems With Applications, 2020, 150, 113213.	7.6	64
10	New approach in quantification of emotional intensity from the speech signal: emotional temperature. Expert Systems With Applications, 2015, 42, 9554-9564.	7.6	58
11	Towards robust voice pathology detection. Neural Computing and Applications, 2020, 32, 15747-15757.	5.6	44
12	Automatic anuran identification using noise removal and audio activity detection. Expert Systems With Applications, 2017, 72, 83-92.	7.6	39
13	Detection of different voice diseases based on the nonlinear characterization of speech signals. Expert Systems With Applications, 2017, 82, 184-195.	7.6	31
14	Comparing infrared and visible illumination for contactless hand based biometric scheme. , 2008, , .		29
15	Acoustic Classification of Singing Insects Based on MFCC/LFCC Fusion. Applied Sciences (Switzerland), 2019, 9, 4097.	2.5	25
16	Building a Cepstrum-HMM kernel for Apnea identification. Neurocomputing, 2014, 132, 159-165.	5.9	22
17	Nonlinear dynamics characterization of emotional speech. Neurocomputing, 2014, 132, 126-135.	5.9	21
18	An automatic acoustic bat identification system based on the audible spectrum. Expert Systems With Applications, 2014, 41, 5451-5465.	7.6	21

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19	A Low Cost Wireless Acoustic Sensor for Ambient Assisted Living Systems. Applied Sciences (Switzerland), 2017, 7, 877.	2.5	21
20	Signature verification using local directional pattern (LDP). , 2010, , .		19
21	Assessing progress of Parkinson's disease using acoustic analysis of phonation. , 2015, , .		19
22	Stability-based system for bearing fault early detection. Expert Systems With Applications, 2017, 79, 65-75.	7.6	18
23	Bimodal biometric verification based on face and lips. Neurocomputing, 2011, 74, 2407-2410.	5.9	17
24	Hand shape identification on multirange images. Information Sciences, 2014, 275, 45-56.	6.9	17
25	Using a Discrete Hidden Markov Model Kernel for lip-based biometric identification. Image and Vision Computing, 2014, 32, 1080-1089.	4.5	13
26	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
27	Writer identification based on graphology techniques. IEEE Aerospace and Electronic Systems Magazine, 2010, 25, 35-42.	1.3	10
28	Intra-modal biometric system using hand-geometry and palmprint texture. , 2010, , .		10
29	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
30	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
31	Spider specie identification and verification based on pattern recognition of it cobweb. Expert Systems With Applications, 2013, 40, 4213-4225.	7.6	8
32	Kinematic Modelling of Diphthong Articulation. Smart Innovation, Systems and Technologies, 2016, , 53-60.	0.6	8
33	Continuous tracking of the emotion temperature. Neurocomputing, 2017, 255, 17-25.	5.9	8
34	Writer identification approach by holistic graphometric features using off-line handwritten words. Neural Computing and Applications, 2020, 32, 15733-15746.	5.6	8
35	Automatic Apnea Identification by Transformation of the Cepstral Domain. Cognitive Computation, 2013, 5, 558-565.	5.2	6
36	Special Issue on Advanced Cognitive Systems Based on Nonlinear Analysis. Cognitive Computation, 2013, 5, 397-398.	5.2	6

#	ARTICLE	IF	CITATIONS
37	Fused intra-bimodal face verification approach based on Scale-Invariant Feature Transform and a vocabulary tree. <i>Pattern Recognition Letters</i> , 2014, 36, 254-260.	4.2	6
38	Robust identification of persons by lips contour using shape transformation. , 2010, , .		5
39	Writer identification on mobile device based on handwritten. , 2013, , .		5
40	Novel method for early bearing fault detection based on dynamic stability measure. , 2015, , .		5
41	A study of glottal excitation synthesizers for different voice qualities. <i>Neurocomputing</i> , 2015, 150, 367-376.	5.9	5
42	Identification of hypokinetic dysarthria using acoustic analysis of poem recitation. , 2017, , .		5
43	Modeling a robust wind-speed forecasting to apply to wind-energy production. <i>Neural Computing and Applications</i> , 2019, 31, 7891-7905.	5.6	5
44	Astrotourism and Night Sky Brightness Forecast: First Probabilistic Model Approach. <i>Sensors</i> , 2019, 19, 2840.	3.8	5
45	Application of the Lognormal Model to the Vocal Tract Movement to Detect Neurological Diseases in Voice. <i>Smart Innovation, Systems and Technologies</i> , 2016, , 25-35.	0.6	5
46	Discriminative common vector for face identification. , 2009, , .		4
47	Meteorological Prediction Implemented on Field-Programmable Gate Array. <i>Cognitive Computation</i> , 2013, 5, 551-557.	5.2	4
48	Automatic scene calibration for detecting and tracking people using a single camera. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 924-935.	8.1	4
49	Advance in the bat acoustic identification systems based on the audible spectrum using nonlinear dynamics characterization. <i>Expert Systems With Applications</i> , 2015, 42, 9528-9538.	7.6	4
50	Neural networks fusion for temperature forecasting. <i>Neural Computing and Applications</i> , 2020, 32, 15699-15710.	5.6	4
51	Temperature Control by Its Forecasting Applying Score Fusion for Sustainable Development. <i>Sustainability</i> , 2017, 9, 193.	3.2	3
52	Improving the performance of the lip identification through the use of shape correction. <i>Applied Intelligence</i> , 2019, 49, 1823-1840.	5.3	3
53	Robust Detection of Fatigue Parameters Based on Infrared Information. <i>IEEE Access</i> , 2021, 9, 18209-18221.	4.2	3
54	Symmetry Extraction in High Sensitivity Melanoma Diagnosis. <i>Symmetry</i> , 2015, 7, 1061-1079.	2.2	2

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55	Predicting Thalasso Tourist Delight: A Hybrid SEM Artificial Intelligence Analysis. Complexity, 2018, 2018, 1-14.	1.6	2
56	Angular Contour Parameterization for Signature Identification. Lecture Notes in Computer Science, 2009, , 358-365.	1.3	2
57	Artificial Neural Network in FPGA for Temperature Prediction. Lecture Notes in Computer Science, 2011, , 104-110.	1.3	2
58	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
59	Using calligraphies features for off line writer identification. , 2013, , .		1
60	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
61	Handwriting Knowledge Based on Parameterization for Writer Identification. Lecture Notes in Electrical Engineering, 2009, , 3-13.	0.4	1
62	Speech evaluation of patients with Alzheimer's disease using an automatic interviewer. Expert Systems With Applications, 2022, 192, 116386.	7.6	1
63	One vs. One Offline Signature Verification: A Forensic Handwriting Examiners Perspective. , 2021, , .		1
64	Emotional speech characterization for real time applications in real environments. , 2014, , .		0
65	Real cepstrums on electroencephalogram biometric identification. , 2015, , .		0
66	Monitoring Progress of Parkinson's Disease Based on Changes in Phonation: a Pilot Study. , 2018, , .		0
67	Using Fixed Point Arithmetic for Cardiac Pathologies Detection Based on Electrocardiogram. Lecture Notes in Computer Science, 2013, , 242-249.	1.3	0
68	Voice re-education and its evaluation through digital signal processing: A case study. Loquens, 2017, 4, 040.	0.1	0