Alberto Izquierdo-Fuente

List of Publications by Year
in descending order

		1162367	1125271
33 papers	**185** citations	**8** h-index	**13** g-index
35 all docs	**35** docs citations	**35** times ranked	**174** citing authors

#	Article	IF	Citations
1	Design and Validation of a Scalable, Reconfigurable and Low-Cost Structural Health Monitoring System. Sensors, 2021, 21, 648.	2.1	16
2	Feasibility of Using a MEMS Microphone Array for Pedestrian Detection in an Autonomous Emergency Braking System. Sensors, 2021, 21, 4162.	2.1	4
3	Measurement of Acceleration Response Functions with Scalable Low-Cost Devices. An Application to the Experimental Modal Analysis. Sensors, 2021, 21, 6637.	2.1	4
4	Feasibility of Discriminating UAV Propellers Noise from Distress Signals to Locate People in Enclosed Environments Using MEMS Microphone Arrays. Sensors, 2020, 20, 597.	2.1	4
5	Comparison of Methodologies for the Detection of Multiple Failures Using Acoustic Images in Fan Matrices. Shock and Vibration, 2020, 2020, 1-10.	0.3	1
6	Fault Detection Methodology for a Fan Matrix Based on SVM Classification of Acoustic Images. Applied Condition Monitoring, 2019, , 221-228.	0.4	0
7	Implementation of a Virtual Microphone Array to Obtain High Resolution Acoustic Images. Sensors, 2018, 18, 25.	2.1	16
8	Using a Planar Array of MEMS Microphones to Obtain Acoustic Images of a Fan Matrix. Journal of Sensors, 2017, 2017, 1-10.	0.6	6
9	First steps on fan matrix condition monitoring and fault diagnosis using an array of digital MEMS microphones. Proceedings of Meetings on Acoustics, 2017, , .	0.3	3
10	Design and Evaluation of a Scalable and Reconfigurable Multi-Platform System for Acoustic Imaging. Sensors, 2016, 16, 1671.	2.1	18
11	Acoustic Biometric System Based on Preprocessing Techniques and Linear Support Vector Machines. Sensors, 2015, 15, 14241-14260.	2.1	11
12	Optimization of a Biometric System Based on Acoustic Images. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	5
13	Design of task scheduling process for a multifunction radar. IET Radar, Sonar and Navigation, 2012, 6, 341.	0.9	22
14	A Scientific Computing Environment for Accessing Grid Computing Systems Using Cloud Services. Advances in Intelligent and Soft Computing, 2012, , 347-353.	0.2	0
15	Optimisation of sensor positions in random linear arrays based on statistical relations between geometry and performance. Applied Acoustics, 2012, 73, 78-82.	1.7	5
16	Using acoustic images for human identification. , 2011, , .		0
17	A Configurable Sensor Network Applied to Ambient Assisted Living. Sensors, 2011, 11, 10724-10737.	2.1	26
18	Performance Evaluation of a Biometric System Based on Acoustic Images. Sensors, 2011, 11, 9499-9519.	2.1	12

#	Article	IF	Citations
19	VIGICOP: Autonomous surveillance robots with sodar detection and autonomous navigation. , 2010, , .		2
20	Assistance System for Disabled People: A Robot Controlled by Blinking and Wireless Link. Communications in Computer and Information Science, 2010, , 383-388.	0.4	1
21	Security System Technologies Applied to Ambient Assisted Living. Communications in Computer and Information Science, 2010, , 389-394.	0.4	1
22	Analysis and design of multifunction radar task schedulers based on queue. , 2009, , .		6
23	Supervision and Access Control System for Disabled Person's Homes. Lecture Notes in Computer Science, 2009, , 675-678.	1.0	0
24	INTEGRACIÃ"N DE COMPONENTES COM DE MATLAB/SIMULINK EN EL ENTORNO CASE XBDK, PARA EL MODELADO DE SISTEMAS DE CONFORMACIÃ"N DE HAZ. Ingeniare, 2009, 17, .	0.1	1
25	Sidelobe Evaluation of Cardioid-Patterned Sensor Array. , 2008, , .		1
26	UN SISTEMA AVANZADO DE VIGILANCIA BASADO EN INFORMACIÃ"N MULTISENSORIAL. Revista Facultad De IngenierÃa - Universidad De TarapacÃ¡, 2005, 13, 75.	0.1	0
27	UN SISTEMA AVANZADO DE VIGILANCIA BASADO EN INFORMACION MULTISENSORIAL. SÃntesis TecnolÃ³gica, 2005, 2, 21-26.	0.0	0
28	The Provir System. , 2003, , 101-113.		0
29	Surveillance system based on data fusion from image and acoustic array sensors. IEEE Aerospace and Electronic Systems Magazine, 2000, 15, 9-16.	2.3	10
30	MATLAB COM Integration for Engineering Applications. , 0, , .		2
31	Virtual Laboratory Methodologies in Electrical Engineering. , 0, , .		0
32	Analysis of Directive Sensor Influence on Array Beampatterns. , 0, , .		4
33	Experimental Calibration for Electronic Beamforming with Sensor Arrays. , 0, , .		1