

Alberto Izquierdo-Fuente

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

185
citations

1162367

8
h-index

1125271

13
g-index

35
all docs

35
docs citations

35
times ranked

174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Configurable Sensor Network Applied to Ambient Assisted Living. Sensors, 2011, 11, 10724-10737. | 2.1 | 26 |
| 2 | Design of task scheduling process for a multifunction radar. IET Radar, Sonar and Navigation, 2012, 6, 341. | 0.9 | 22 |
| 3 | Design and Evaluation of a Scalable and Reconfigurable Multi-Platform System for Acoustic Imaging. Sensors, 2016, 16, 1671. | 2.1 | 18 |
| 4 | Implementation of a Virtual Microphone Array to Obtain High Resolution Acoustic Images. Sensors, 2018, 18, 25. | 2.1 | 16 |
| 5 | Design and Validation of a Scalable, Reconfigurable and Low-Cost Structural Health Monitoring System. Sensors, 2021, 21, 648. | 2.1 | 16 |
| 6 | Performance Evaluation of a Biometric System Based on Acoustic Images. Sensors, 2011, 11, 9499-9519. | 2.1 | 12 |
| 7 | Acoustic Biometric System Based on Preprocessing Techniques and Linear Support Vector Machines. Sensors, 2015, 15, 14241-14260. | 2.1 | 11 |
| 8 | 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 |
| 9 | Analysis and design of multifunction radar task schedulers based on queue. , 2009, , . | | 6 |
| 10 | 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 |
| 11 | 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 |
| 12 | Optimization of a Biometric System Based on Acoustic Images. Scientific World Journal, The, 2014, 2014, 1-13. | 0.8 | 5 |
| 13 | 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 |
| 14 | Feasibility of Using a MEMS Microphone Array for Pedestrian Detection in an Autonomous Emergency Braking System. Sensors, 2021, 21, 4162. | 2.1 | 4 |
| 15 | Measurement of Acceleration Response Functions with Scalable Low-Cost Devices. An Application to the Experimental Modal Analysis. Sensors, 2021, 21, 6637. | 2.1 | 4 |
| 16 | Analysis of Directive Sensor Influence on Array Beampatterns. , 0, , . | | 4 |
| 17 | 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 |
| 18 | VIGICOP: Autonomous surveillance robots with sodar detection and autonomous navigation. , 2010, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | MATLAB COM Integration for Engineering Applications. , 0, , . | | 2 |
| 20 | Sidelobe Evaluation of Cardioid-Patterned Sensor Array. , 2008, , . | | 1 |
| 21 | 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 |
| 22 | 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 |
| 23 | INTEGRACI3N DE COMPONENTES COM DE MATLAB/SIMULINK EN EL ENTORNO CASE XBDK, PARA EL MODELADO DE SISTEMAS DE CONFORMACI3N DE HAZ. Ingeniare, 2009, 17, . | 0.1 | 1 |
| 24 | Security System Technologies Applied to Ambient Assisted Living. Communications in Computer and Information Science, 2010, , 389-394. | 0.4 | 1 |
| 25 | Experimental Calibration for Electronic Beamforming with Sensor Arrays. , 0, , . | | 1 |
| 26 | UN SISTEMA AVANZADO DE VIGILANCIA BASADO EN INFORMACI3N MULTISENSORIAL. Revista Facultad De Ingenier3a - Universidad De Tarapac3, 2005, 13, 75. | 0.1 | 0 |
| 27 | Using acoustic images for human identification. , 2011, , . | | 0 |
| 28 | A Scientific Computing Environment for Accessing Grid Computing Systems Using Cloud Services. Advances in Intelligent and Soft Computing, 2012, , 347-353. | 0.2 | 0 |
| 29 | Fault Detection Methodology for a Fan Matrix Based on SVM Classification of Acoustic Images. Applied Condition Monitoring, 2019, , 221-228. | 0.4 | 0 |
| 30 | The Provir System. , 2003, , 101-113. | | 0 |
| 31 | UN SISTEMA AVANZADO DE VIGILANCIA BASADO EN INFORMACION MULTISENSORIAL. S3ntesis Tecnol3gica, 2005, 2, 21-26. | 0.0 | 0 |
| 32 | Supervision and Access Control System for Disabled Person3s Homes. Lecture Notes in Computer Science, 2009, , 675-678. | 1.0 | 0 |
| 33 | Virtual Laboratory Methodologies in Electrical Engineering. , 0, , . | | 0 |