

Juan JosÃ© Villacorta-Calvo

List of Publications by Year in descending order

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26
papers

177
citations

1162367

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28
all docs

28
docs citations

28
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Validation of a Scalable, Reconfigurable and Low-Cost Structural Health Monitoring System. <i>Sensors</i> , 2021, 21, 648.	2.1	16
2	Feasibility of Using a MEMS Microphone Array for Pedestrian Detection in an Autonomous Emergency Braking System. <i>Sensors</i> , 2021, 21, 4162.	2.1	4
3	Measurement of Acceleration Response Functions with Scalable Low-Cost Devices. An Application to the Experimental Modal Analysis. <i>Sensors</i> , 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. <i>Sensors</i> , 2020, 20, 597.	2.1	4
5	Comparison of Methodologies for the Detection of Multiple Failures Using Acoustic Images in Fan Matrices. <i>Shock and Vibration</i> , 2020, 2020, 1-10.	0.3	1
6	Fault Detection Methodology for a Fan Matrix Based on SVM Classification of Acoustic Images. <i>Applied Condition Monitoring</i> , 2019, , 221-228.	0.4	0
7	Implementation of a Virtual Microphone Array to Obtain High Resolution Acoustic Images. <i>Sensors</i> , 2018, 18, 25.	2.1	16
8	Using a Planar Array of MEMS Microphones to Obtain Acoustic Images of a Fan Matrix. <i>Journal of Sensors</i> , 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. <i>Proceedings of Meetings on Acoustics</i> , 2017, , .	0.3	3
10	Design and Evaluation of a Scalable and Reconfigurable Multi-Platform System for Acoustic Imaging. <i>Sensors</i> , 2016, 16, 1671.	2.1	18
11	Acoustic Biometric System Based on Preprocessing Techniques and Linear Support Vector Machines. <i>Sensors</i> , 2015, 15, 14241-14260.	2.1	11
12	Optimization of a Biometric System Based on Acoustic Images. <i>Scientific World Journal, The</i> , 2014, 2014, 1-13.	0.8	5
13	Design of task scheduling process for a multifunction radar. <i>IET Radar, Sonar and Navigation</i> , 2012, 6, 341.	0.9	22
14	A Scientific Computing Environment for Accessing Grid Computing Systems Using Cloud Services. <i>Advances in Intelligent and Soft Computing</i> , 2012, , 347-353.	0.2	0
15	Optimisation of sensor positions in random linear arrays based on statistical relations between geometry and performance. <i>Applied Acoustics</i> , 2012, 73, 78-82.	1.7	5
16	A Configurable Sensor Network Applied to Ambient Assisted Living. <i>Sensors</i> , 2011, 11, 10724-10737.	2.1	26
17	Performance Evaluation of a Biometric System Based on Acoustic Images. <i>Sensors</i> , 2011, 11, 9499-9519.	2.1	12
18	VIGICOP: Autonomous surveillance robots with sodar detection and autonomous navigation. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
19	Security System Technologies Applied to Ambient Assisted Living. Communications in Computer and Information Science, 2010, , 389-394.	0.4	1
20	Analysis and design of multifunction radar task schedulers based on queue. , 2009, , .		6
21	Supervision and Access Control System for Disabled Personâ€™s Homes. Lecture Notes in Computer Science, 2009, , 675-678.	1.0	0
22	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
23	Sidelobe Evaluation of Cardioid-Patterned Sensor Array. , 2008, , .		1
24	UN SISTEMA AVANZADO DE VIGILANCIA BASADO EN INFORMACI3N MULTISENSORIAL. Revista Facultad De IngenierÃa - Universidad De TarapacÃa, 2005, 13, 75.	0.1	0
25	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
26	Virtual Laboratory Methodologies in Electrical Engineering. , 0, , .		0