Jaime Gomez-Gil

List of Publications by Year
in descending order

31 papers	3,326 citations	535685 17 h-index	563245 28 g-index
32 all docs	32 docs citations	32 times ranked	4294 citing authors

#	Article	IF	Citations
1	Application of Composite Spectrum in Agricultural Machines. Sensors, 2020, 20, 5519.	2.1	4
2	Leaf and canopy reflectance spectrometry applied to the estimation of angular leaf spot disease severity of common bean crops. PLoS ONE, 2018, 13, e0196072.	1.1	14
3	A data fusion system of GNSS data and on-vehicle sensors data for improving car positioning precision in urban environments. Expert Systems With Applications, 2017, 80, 28-38.	4.4	34
4	An acoustic method for flow rate estimation in agricultural sprayer nozzles. Computers and Electronics in Agriculture, 2017, 141, 255-266.	3.7	3
5	Blind 3D localization and separation of multiple vibration and acoustic sources simultaneously active. , 2017, , .		0
6	RBF-Neural Network Applied to the Quality Classification of Tempered 100Cr6 Steel Cams by the Multi-Frequency Nondestructive Eddy Current Testing. Metals, 2017, 7, 385.	1.0	2
7	A Novel Method for Sensorless Speed Detection of Brushed DC Motors. Applied Sciences (Switzerland), 2017, 7, 14.	1.3	19
8	Moisture Content Prediction in the Switchgrass (Panicum virgatum) Drying Process Using Artificial Neural Networks. Drying Technology, 2015, 33, 1708-1719.	1.7	18
9	An Artificial Neural Network based expert system fitted with Genetic Algorithms for detecting the status of several rotary components in agro-industrial machines using a single vibration signal. Expert Systems With Applications, 2015, 42, 6433-6441.	4.4	30
10	The Influence of Tractor-Seat Height above the Ground on Lateral Vibrations. Sensors, 2014, 14, 19713-19730.	2.1	12
11	An SVM-Based Classifier for Estimating the State of Various Rotating Components in Agro-Industrial Machinery with a Vibration Signal Acquired from a Single Point on the Machine Chassis. Sensors, 2014, 14, 20713-20735.	2.1	49
12	CLASIFICACIÃ“N DEL TRATAMIENTO TÃ‰RMICO DE ACEROS CON ENSAYOS NO DESTRUCTIVOS POR CORRIENTES INDUCIDAS MEDIANTE REDES NEURONALES. Dyna (Spain), 2014, 89, 526-532.	0.1	1
13	Comparative evaluation of coil and hall probes in hole detection and thickness measurement on aluminum plates using eddy current testing. Russian Journal of Nondestructive Testing, 2013, 49, 482-491.	0.3	7
14	A Kalman Filter Implementation for Precision Improvement in Low-Cost GPS Positioning of Tractors. Sensors, 2013, 13, 15307-15323.	2.1	58
15	Temperature and Relative Humidity Estimation and Prediction in the Tobacco Drying Process Using Artificial Neural Networks. Sensors, 2012, 12, 14004-14021.	2.1	30
16	A New Method for Sensorless Estimation of the Speed and Position in Brushed DC Motors Using Support Vector Machines. IEEE Transactions on Industrial Electronics, 2012, 59, 1397-1408.	5.2	49
17	Weed mapping using a machine vision system. Planta Daninha, 2012, 30, 217-227.	0.5	5
18	Brain Computer Interfaces, a Review. Sensors, 2012, 12, 1211-1279.	2.1	1,588

#	Article	IF	Citations
19	Non-Destructive Techniques Based on Eddy Current Testing. Sensors, 2011, 11, 2525-2565.	2.1	805
20	The Spatial Low-Pass Filtering as an Alternative to Interpolation Methods in the Generation of Combine Harvester Yield Maps. Applied Engineering in Agriculture, 2011, 27, 1087-1097.	0.3	3
21	Development and Validation of Globally Asymptotically Stable Control Laws for Automatic Tractor Guidance. Applied Engineering in Agriculture, 2011, 27, 1099-1108.	0.3	5
22	Leaf classification in sunflower crops by computer vision and neural networks. Computers and Electronics in Agriculture, 2011, 78, 9-18.	3.7	84
23	A Simple Method to Improve Autonomous GPS Positioning for Tractors. Sensors, 2011, 11, 5630-5644.	2.1	39
24	Steering a Tractor by Means of an EMG-Based Human-Machine Interface. Sensors, 2011, 11, 7110-7126.	2.1	85
25	Evaluation of the use of low-cost GPS receivers in the autonomous guidance of agricultural tractors. Spanish Journal of Agricultural Research, 2011, 9, 377.	0.3	19
26	A machine vision system for classification of wheat and barley grain kernels. Spanish Journal of Agricultural Research, 2011, 9, 672.	0.3	57
27	Design and Implementation of a GPS Guidance System for Agricultural Tractors Using Augmented Reality Technology. Sensors, 2010, 10, 10435-10447.	2.1	34
28	Position and Speed Control of Brushless DC Motors Using Sensorless Techniques and Application Trends. Sensors, 2010, 10, 6901-6947.	2.1	199
29	Accuracy improvement evaluation in sensorless dc motor speed estimation by combining the dynamic motor model and the ripple component detection. , 2010, , 183-188.		3
30	Testing different color spaces based on hue for the environmentally adaptive segmentation algorithm (EASA). Computers and Electronics in Agriculture, 2009, 68, 88-96.	3.7	65
31	Analysis of three methods for sensorless speed detection in DC motors. , 2009, , .		4