

Francisco Alegria

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

411
citations

840776

11
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic calibration of analog and digital measuring instruments using computer vision. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 94-99.	4.7	92
2	Cross-Correlation and Sine-Fitting Techniques for High-Resolution Ultrasonic Ranging. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 3227-3236.	4.7	62
3	Performance analysis of an ADC histogram test using small triangular waves. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 723-729.	4.7	42
4	Lift-off Correction Based on the Spatial Spectral Behavior of Eddy-Current Images. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1362-1367.	4.7	33
5	IEEE 1057 Jitter Test of Waveform Recorders. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2234-2244.	4.7	21
6	Performance of Data Acquisition Systems From the User's Point of View. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 907-914.	4.7	16
7	Standard Histogram Test Precision of ADC Gain and Offset Error Estimation. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1527-1531.	4.7	16
8	Gaussian Jitter-Induced Bias of Sine Wave Amplitude Estimation Using Three-Parameter Sine Fitting. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2328-2333.	4.7	15
9	3D-resistivity imaging and distribution of water soluble salts in Portuguese Renaissance stone bas-reliefs. Engineering Geology, 2012, 141-142, 33-44.	6.3	15
10	Analog-to-digital converter testing—new proposals. Computer Standards and Interfaces, 2004, 26, 3-13.	5.4	14
11	Uncertainty of ADC Random Noise Estimates Obtained With the IEEE 1057 Standard Test. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 110-116.	4.7	13
12	Influence of frequency errors in the variance of the cumulative histogram [in ADC testing]. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 461-464.	4.7	10
13	Variance of the cumulative histogram of ADCs due to frequency errors. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 69-74.	4.7	8
14	ADC transfer curve types—A review. Computer Standards and Interfaces, 2006, 28, 553-559.	5.4	8
15	Overdrive in the Ramp Histogram Test of ADCs. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2305-2309.	4.7	7
16	Design and test of a high-resolution acquisition system for marine seismology. IEEE Instrumentation and Measurement Magazine, 2009, 12, 8-15.	1.6	6
17	Vehicle Plate Recognition for Wireless Traffic Control and Law Enforcement System. , 2006, , .		5
18	Eddy current inspection of a duralumin plate. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
19	An Experimental Study of the Diesel Biodegradation Effects on Soil Biogeophysical Parameters. Water, Air, and Soil Pollution, 2010, 206, 139-154.	2.4	5
20	Wireless System for Traffic Control and Law Enforcement. , 2006, , .		4
21	Monitoring of biophysicochemical changes in a silty clay soil contaminated with LNAPLs. Geoderma, 2013, 197-198, 108-116.	5.1	4
22	Developing and Integrating Lab Projects as Important Learning Components in an Embedded Systems Course. , 2007, , .		3
23	Handheld instrument to detect defects in conductive plates with a planar probe. , 2011, , .		3
24	Design, Characterization and Calibration of a Short-Period Ocean Bottom Seismometer (OBS). , 2008, , .		2
25	The Histogram Test of ADCs With Sinusoidal Stimulus Is Unbiased by Phase Noise. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3847-3854.	4.7	2