

Gloria Huertas

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

368
citations

840776

11
h-index

888059

17
g-index

34
all docs

34
docs citations

34
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical oscillation-based test of integrated filters. IEEE Design and Test of Computers, 2002, 19, 64-72.	1.0	67
2	Testing mixed-signal cores: a practical oscillation-based test in an analog macrocell. IEEE Design and Test of Computers, 2002, 19, 73-82.	1.0	57
3	Sensing Cell-Culture Assays with Low-Cost Circuitry. Scientific Reports, 2018, 8, 8841.	3.3	35
4	The Bio-Oscillator: A Circuit for Cell-Culture Assays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 164-168.	3.0	23
5	Oscillation-based test in bandpass oversampled A/D converters. Microelectronics Journal, 2003, 34, 927-936.	2.0	21
6	Test of switched-capacitor ladder filters using OBT. Microelectronics Journal, 2005, 36, 1073-1079.	2.0	21
7	On-Chip Evaluation of Oscillation-Based-Test Output Signals for Switched-Capacitor Circuits. Analog Integrated Circuits and Signal Processing, 2002, 33, 201-211.	1.4	20
8	Oscillation-based test in oversampled $\Sigma\Delta^m$ modulators. Microelectronics Journal, 2002, 33, 799-806.	2.0	19
9	Sine-Wave Signal Characterization Using Square-Wave and $\Delta\Sigma$ -Modulation: Application to Mixed-Signal BIST. Journal of Electronic Testing: Theory and Applications (JETTA), 2005, 21, 221-232.	1.2	14
10	Real-Time Electrical Bioimpedance Characterization of Neointimal Tissue for Stent Applications. Sensors, 2017, 17, 1737.	3.8	13
11	An Empirical-Mathematical Approach for Calibration and Fitting Cell-Electrode Electrical Models in Bioimpedance Tests. Sensors, 2018, 18, 2354.	3.8	12
12	A Simple and Secure Start-Up Circuitry for Oscillation-Based-Test Application. Analog Integrated Circuits and Signal Processing, 2002, 32, 187-190.	1.4	8
13	Measuring SET effects in a CMOS operational amplifier using a built-in detector. , 2007, , .		8
14	Data-Analytics Modeling of Electrical Impedance Measurements for Cell Culture Monitoring. Sensors, 2019, 19, 4639.	3.8	8
15	Electrical Modeling of the Growth and Differentiation of Skeletal Myoblasts Cell Cultures for Tissue Engineering. Sensors, 2020, 20, 3152.	3.8	6
16	A Plethysmography Capacitive Sensor for Real-Time Monitoring of Volume Changes in Acute Heart Failure. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	6
17	(Some) Open Problems to Incorporate BIST in Complex Heterogeneous Integrated Systems. , 2010, , .		5
18	Design of sensory systems using the platform Arduino by undergraduate Physics students. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Remote Cell Growth Sensing Using Self-Sustained Bio-Oscillations. Sensors, 2018, 18, 2550.	3.8	4
20	Oscillation-Based Test in Data Converters: On-Line Monitoring. , 2008, , .		3
21	Remote Sensing of Cell-Culture Assays. , 2017, , .		3
22	Towards Bio-impedance Based Labs: A Review. J of Electrical Engineering, 2016, 4, .	0.1	3
23	LP-LV high-performance monolithic DTMF receiver with on-chip test facilities. , 2003, , .		2
24	Oscillation-Based Test applied to cell culture monitoring. , 2013, , .		2
25	Total ionizing dose effects in switched-capacitor filters using oscillation-based test. , 2007, , .		1
26	Towards Bio-Impedance based labs: A review. , 2015, , .		1
27	Cell-culture measurements using voltage oscillations. , 2016, , .		1
28	A plethysmographic sensor for monitoring volume changes in cardiovascular pathologies. , 2019, , .		1
29	Total Ionizing Dose Effects in Switched-Capacitor Filters using Oscillation-Based Test. , 2007, , .		0
30	From voltage oscillations to tissue-impedance measurements. , 2015, , .		0
31	Monitoring tissue evolution on electrodes with bio-impedance test. , 2016, , .		0
32	A tracking algorithm for cell motility assays in CMOS systems. , 2017, 2017, 837-840.		0
33	A CMOS Tracking System Approach for Cell Motility Assays. , 2017, , .		0
34	Designing bioimpedance based sensors for cell cultures test. , 2020, , .		0