

Jordi Sacristan

List of Publications by Year in descending order

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21
papers

209
citations

1040056

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h-index

1058476

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21
all docs

21
docs citations

21
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless powering of single-chip systems with integrated coil and external wire-loop resonator. Applied Physics Letters, 2008, 92, .	3.3	37
2	Portable and miniaturized optofluidic analysis system with ambient light correction for fast in situ determination of environmental pollution. Sensors and Actuators B: Chemical, 2016, 222, 55-62.	7.8	21
3	Towards Fully Integrated Wireless Impedimetric Sensors. Sensors, 2010, 10, 4071-4082.	3.8	18
4	Optimization of a Piezoelectric Energy Harvester and Design of a Charge Pump Converter for CMOS-MEMS Monolithic Integration. Sensors, 2019, 19, 1895.	3.8	18
5	Simple and efficient inductive telemetry system with data and power transmission. Microelectronics Journal, 2008, 39, 103-111.	2.0	17
6	Implantable stimulator and recording device for artificial prosthesis control. Microelectronics Journal, 2007, 38, 1135-1149.	2.0	14
7	Electrodeâ€Tissue Impedance Measurement CMOS ASIC for Functional Electrical Stimulation Neuroprostheses. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2043-2050.	4.7	14
8	Low power impedance measurement integrated circuit for sensor applications. Microelectronics Journal, 2009, 40, 177-184.	2.0	14
9	Wireless pad-free integrated circuit debugging by powering modulation and lock-in infrared sensing. Applied Physics Letters, 2013, 102, .	3.3	11
10	Functional and Consumption Analysis of Integrated Circuits Supplied by Inductive Power Transfer by Powering Modulation and Lock-In Infrared Imaging. IEEE Transactions on Industrial Electronics, 2015, 62, 7774-7785.	7.9	9
11	Microbial trench-based optofluidic system for reagentless determination of phenolic compounds. Lab on A Chip, 2015, 15, 1717-1726.	6.0	8
12	Towards Fully Integrated Low-Cost Inductive Powered CMOS Wireless Temperature Sensor. IEEE Transactions on Industrial Electronics, 2017, 64, 8718-8727.	7.9	8
13	Powering of single-chip fully integrated RFID wireless sensors. , 2011, , .		5
14	IMPROVING SILICON INTEGRATED ANTENNAS BY SUBSTRATE MICROMACHINING: A STUDY OF ETCHING PATTERNS. Progress in Electromagnetics Research, 2011, 117, 365-378.	4.4	3
15	Differential capacitive pressure sensor design based on standard CMOS. Electronics Letters, 2017, 53, 737-739.	1.0	3
16	Design and implementation of a planar capacitive pressure sensor. , 2014, , .		2
17	A 10-bit linearity current-controlled ring oscillator with rolling regulation for smart sensing. , 2017, , .		2
18	Towards the Monolithic Integration of Converter Circuitry and Piezoelectric MEMS Energy Harvesters. Proceedings (mdpi), 2018, 2, .	0.2	2

#	ARTICLE	IF	CITATIONS
19	Injectable Rectifiers as Microdevices for Remote Electrical Stimulation: an Alternative to Inductive Coupling. IFMBE Proceedings, 2013, , 1581-1584.	0.3	2
20	On-Chip Inductor in 0.18- μ m CMOS for Low-Cost Fully Integrated Contactless Powered Sensors. IEEE Microwave and Wireless Components Letters, 2020, 30, 989-992.	3.2	1
21	Photonic lab-on-a-chip with environmental light correction for in situ determination of enteric pathogen contamination. , 2014, , .		0