

# Álvaro GÃ³mez Pau

## List of Publications by Year in descending order

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28  
papers

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1040056

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docs citations

28  
times ranked

133  
citing authors

#	ARTICLE	IF	CITATIONS
1	On-Line Remaining Useful Life Estimation of Power Connectors Focused on Predictive Maintenance. Sensors, 2021, 21, 3739.	3.8	7
2	Serial RRAM Cell for Secure Bit Concealing. Electronics (Switzerland), 2021, 10, 1842.	3.1	4
3	RRAM Random Number Generator Based on Train of Pulses. Electronics (Switzerland), 2021, 10, 1831.	3.1	10
4	On-Line Health Condition Monitoring of Power Connectors Focused on Predictive Maintenance. IEEE Transactions on Power Delivery, 2021, 36, 3611-3618.	4.3	11
5	Simulation of serial RRAM cell based on a Verilog-A compact model. , 2021, , .		1
6	Sensor Comparison for Corona Discharge Detection Under Low Pressure Conditions. IEEE Sensors Journal, 2020, 20, 11698-11706.	4.7	24
7	Uprating of transmission lines by means of HTLS conductors for a sustainable growth: Challenges, opportunities, and research needs. Renewable and Sustainable Energy Reviews, 2020, 134, 110334.	16.4	16
8	Indirect and adaptive test of analogue circuits based on preselected steady-state response measures. IET Circuits, Devices and Systems, 2020, 14, 611-618.	1.4	1
9	Time Series RUL Estimation of Medium Voltage Connectors to Ease Predictive Maintenance Plans. Applied Sciences (Switzerland), 2020, 10, 9041.	2.5	12
10	Insulation Failure Quantification Based on the Energy of Digital Images Using Low-Cost Imaging Sensors. Sensors, 2020, 20, 7219.	3.8	7
11	Experimental Study of the Corona Performance of Aged Sand-Cast Substation Connectors. Energies, 2020, 13, 2785.	3.1	1
12	Arc Tracking Control in Insulation Systems for Aeronautic Applications: Challenges, Opportunities, and Research Needs. Sensors, 2020, 20, 1654.	3.8	21
13	Impact of Laser Attacks on the Switching Behavior of RRAM Devices. Electronics (Switzerland), 2020, 9, 200.	3.1	5
14	Experimental Study of Visual Corona under Aeronautic Pressure Conditions Using Low-Cost Imaging Sensors. Sensors, 2020, 20, 411.	3.8	30
15	Unpredictable Bits Generation Based on RRAM Parallel Configuration. IEEE Electron Device Letters, 2019, 40, 341-344.	3.9	22
16	Multi-Directional Space Tessellation to Improve the Decision Boundary in Indirect Mixed-Signal Testing. Journal of Electronic Testing: Theory and Applications (JETTA), 2017, 33, 315-328.	1.2	1
17	Detectability of structural defects using octree encoding. , 2017, , .		0
18	Criteria for selecting a subset of indirect measurements for analog testing. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Improving indirect test efficiency using multi-directional tessellations in the measure space. , 2016, , .		1
20	Indirect test of M-S circuits using multiple specification band guarding. The Integration VLSI Journal, 2016, 55, 415-424.	2.1	3
21	Efficient Production Binning Using Octree Tessellation in the Alternate Measurements Space. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2016, 35, 1386-1395.	2.7	9
22	Mixed-signal test band guarding using digitally coded indirect measurements. , 2015, , .		2
23	Diagnosis of parametric defects in dual axis IC accelerometers. Microsystem Technologies, 2015, 21, 1855-1866.	2.0	4
24	Quality metrics for mixed-signal indirect testing. , 2014, , .		4
25	Sram cell stability metric under transient voltage noise. Microelectronics Journal, 2014, 45, 1348-1353.	2.0	2
26	M-S specification binning based on digitally coded indirect measurements. , 2014, , .		3
27	M-S test based on specification validation using octrees in the measure space. , 2013, , .		11
28	Transient Noise Failures in SRAM Cells: Dynamic Noise Margin Metric. , 2011, , .		5