

# Álvaro GÃ³mez Pau

## List of Publications by Year in descending order

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28  
papers

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citations

1040056

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docs citations

28  
times ranked

133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Study of Visual Corona under Aeronautic Pressure Conditions Using Low-Cost Imaging Sensors. <i>Sensors</i> , 2020, 20, 411.	3.8	30
2	Sensor Comparison for Corona Discharge Detection Under Low Pressure Conditions. <i>IEEE Sensors Journal</i> , 2020, 20, 11698-11706.	4.7	24
3	Unpredictable Bits Generation Based on RRAM Parallel Configuration. <i>IEEE Electron Device Letters</i> , 2019, 40, 341-344.	3.9	22
4	Arc Tracking Control in Insulation Systems for Aeronautic Applications: Challenges, Opportunities, and Research Needs. <i>Sensors</i> , 2020, 20, 1654.	3.8	21
5	Uprating of transmission lines by means of HTLS conductors for a sustainable growth: Challenges, opportunities, and research needs. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110334.	16.4	16
6	Time Series RUL Estimation of Medium Voltage Connectors to Ease Predictive Maintenance Plans. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9041.	2.5	12
7	M-S test based on specification validation using octrees in the measure space. , 2013, , .		11
8	On-Line Health Condition Monitoring of Power Connectors Focused on Predictive Maintenance. <i>IEEE Transactions on Power Delivery</i> , 2021, 36, 3611-3618.	4.3	11
9	RRAM Random Number Generator Based on Train of Pulses. <i>Electronics (Switzerland)</i> , 2021, 10, 1831.	3.1	10
10	Efficient Production Binning Using Octree Tessellation in the Alternate Measurements Space. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2016, 35, 1386-1395.	2.7	9
11	Insulation Failure Quantification Based on the Energy of Digital Images Using Low-Cost Imaging Sensors. <i>Sensors</i> , 2020, 20, 7219.	3.8	7
12	On-Line Remaining Useful Life Estimation of Power Connectors Focused on Predictive Maintenance. <i>Sensors</i> , 2021, 21, 3739.	3.8	7
13	Transient Noise Failures in SRAM Cells: Dynamic Noise Margin Metric. , 2011, , .		5
14	Impact of Laser Attacks on the Switching Behavior of RRAM Devices. <i>Electronics (Switzerland)</i> , 2020, 9, 200.	3.1	5
15	Quality metrics for mixed-signal indirect testing. , 2014, , .		4
16	Diagnosis of parametric defects in dual axis IC accelerometers. <i>Microsystem Technologies</i> , 2015, 21, 1855-1866.	2.0	4
17	Serial RRAM Cell for Secure Bit Concealing. <i>Electronics (Switzerland)</i> , 2021, 10, 1842.	3.1	4
18	M-S specification binning based on digitally coded indirect measurements. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Indirect test of M-S circuits using multiple specification band guarding. The Integration VLSI Journal, 2016, 55, 415-424.	2.1	3
20	Sram cell stability metric under transient voltage noise. Microelectronics Journal, 2014, 45, 1348-1353.	2.0	2
21	Mixed-signal test band guarding using digitally coded indirect measurements. , 2015, , .		2
22	Criteria for selecting a subset of indirect measurements for analog testing. , 2016, , .		1
23	Improving indirect test efficiency using multi-directional tessellations in the measure space. , 2016, , .		1
24	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
25	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
26	Experimental Study of the Corona Performance of Aged Sand-Cast Substation Connectors. Energies, 2020, 13, 2785.	3.1	1
27	Simulation of serial RRAM cell based on a Verilog-A compact model. , 2021, , .		1
28	Detectability of structural defects using octree encoding. , 2017, , .		0