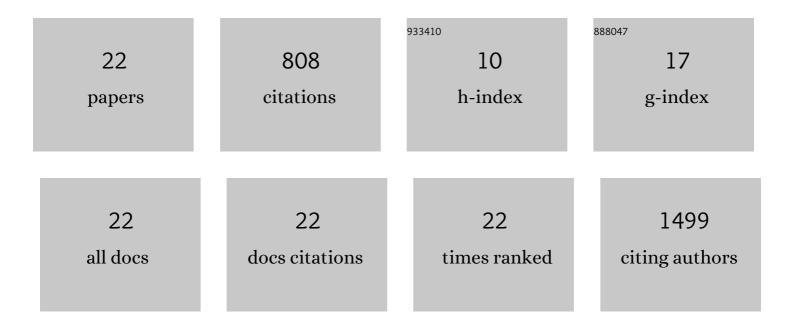
Sergi Claramunt

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Preparation of palladium oxide nanoparticles supported on tin oxide nanofibers via modified electrospinning for ultra-low ppb NO2 detection. Materials Today: Proceedings, 2021, 36, 1-9.	1.8	4
2	Influence of Colloidal Au on the Growth of ZnO Nanostructures. Nanomaterials, 2021, 11, 870.	4.1	9
3	Exploiting the KPFM capabilities to analyze at the nanoscale the impact of electrical stresses on OTFTs properties. Solid-State Electronics, 2021, 186, 108061.	1.4	3
4	A CAFM and device level study of MIS structures with graphene as interfacial layer for ReRAM applications. Solid-State Electronics, 2021, 186, 108080.	1.4	0
5	MIS structures with interfacial graphene for ReRAM applications: a nanoscale and device level characterization. , 2020, , .		1
6	Combined nanoscale KPFM characterization and device simulation for the evaluation of the MOSFET variability related to metal gate workfunction fluctuations. Microelectronic Engineering, 2019, 216, 111048.	2.4	0
7	Low-Power, High-Performance, Non-volatile Inkjet-Printed HfO ₂ -Based Resistive Random Access Memory: From Device to Nanoscale Characterization. ACS Applied Materials & Interfaces, 2019, 11, 23659-23666.	8.0	14
8	Workfunction fluctuations in polycrystalline TiN observed with KPFM and their impact on MOSFETs variability. Applied Physics Letters, 2019, 114, .	3.3	10
9	Inkjet Printed HfO ₂ -Based ReRAMs: First Demonstration and Performance Characterization. IEEE Electron Device Letters, 2017, 38, 457-460.	3.9	23
10	(Invited) Advanced Measurement Techniques for the Characterization of ReRAM Devices. ECS Transactions, 2017, 79, 139-148.	0.5	1
11	Evaluation of ultra-thin structures composed of graphene and high-k dielectrics for resistive switching memory applications. International Journal of Nanotechnology, 2016, 13, 634.	0.2	0
12	CAFM Experimental Considerations and Measurement Methodology for In-Line Monitoring and Quantitative Analysis of III–V Materials Defects. IEEE Nanotechnology Magazine, 2016, 15, 986-992.	2.0	5
13	Conductance of Threading Dislocations in InGaAs/Si Stacks by Temperature-CAFM Measurements. IEEE Electron Device Letters, 2016, 37, 640-643.	3.9	9
14	The Importance of Interbands on the Interpretation of the Raman Spectrum of Graphene Oxide. Journal of Physical Chemistry C, 2015, 119, 10123-10129.	3.1	506
15	Non-homogeneous conduction of conductive filaments in Ni/HfO2/Si resistive switching structures observed with CAFM. Microelectronic Engineering, 2015, 147, 335-338.	2.4	22
16	Threading dislocations in III-V semiconductors: Analysis of electrical conduction. , 2015, , .		3
17	Flexible gas sensor array with an embedded heater based on metal decorated carbon nanofibres. Sensors and Actuators B: Chemical, 2013, 187, 401-406.	7.8	75
18	Flexible sensor based on carbon nanofibers with multifunctional sensing features. Talanta, 2013, 107, 239-247.	5.5	31

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#	Article	IF	CITATIONS
19	The Role of Oxidative Debris on Graphene Oxide Films. ChemPhysChem, 2013, 14, 4002-4009.	2.1	36
20	Functionalization of Reduced Graphite Oxide Sheets with a Zwitterionic Surfactant. ChemPhysChem, 2012, 13, 3682-3690.	2.1	33
21	Advanced Performances In Gas Sensors: Stretchable, Flexible, Wireless, Wearable. Procedia Engineering, 2011, 25, 1425-1428.	1.2	6
22	Recombination dynamics in ZnO nanowires: Surfaces states versus mode quality factor. Applied Physics Letters, 2010, 97, .	3.3	17