

Miguel UllÃ¡n

List of Publications by Year in descending order

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136
papers

1,689
citations

393982

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344852

36
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136
all docs

136
docs citations

136
times ranked

3644
citing authors

#	ARTICLE	IF	CITATIONS
1	Technology developments and first measurements of Low Gain Avalanche Detectors (LGAD) for high energy physics applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 765, 12-16.	0.7	232
2	First double-sided 3-D detectors fabricated at CNM-IMB. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 592, 38-43.	0.7	110
3	Design and performance of the ABCD3TA ASIC for readout of silicon strip detectors in the ATLAS semiconductor tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 552, 292-328.	0.7	104
4	The barrel modules of the ATLAS semiconductor tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 642-671.	0.7	79
5	The silicon microstrip sensors of the ATLAS semiconductor tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 98-118.	0.7	63
6	Bulk damage in DMILL npn bipolar transistors caused by thermal neutrons versus protons and fast neutrons. IEEE Transactions on Nuclear Science, 2004, 51, 1752-1758.	1.2	46
7	Beam tests of ATLAS SCT silicon strip detector modules. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 384-407.	0.7	42
8	Radiation damage in p-type silicon irradiated with neutrons and protons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 599, 60-65.	0.7	40
9	Proton Radiation Damage on SiGe:C HBTs and Additivity of Ionization and Displacement Effects. IEEE Transactions on Nuclear Science, 2009, 56, 1931-1936.	1.2	38
10	3D double sided detector fabrication at IMB-CNM. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 699, 27-30.	0.7	37
11	Recent advancements in the development of radiation hard semiconductor detectors for S-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 552, 7-19.	0.7	33
12	Development of radiation tolerant semiconductor detectors for the Super-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 546, 99-107.	0.7	29
13	Comparison of radiation hardness of P-in-N, N-in-N, and N-in-P silicon pad detectors. IEEE Transactions on Nuclear Science, 2005, 52, 1468-1473.	1.2	28
14	The optical links of the ATLAS SemiConductor Tracker. Journal of Instrumentation, 2007, 2, P09003-P09003.	0.5	28
15	Technology development of p-type microstrip detectors with radiation hard p-spray isolation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 360-365.	0.7	27
16	Performance limits of a 55-/spl mu/m pixel CdTe detector. IEEE Transactions on Nuclear Science, 2006, 53, 361-366.	1.2	24
17	Radiation hardness of silicon detectors for high-energy physics applications. IEEE Transactions on Nuclear Science, 2003, 50, 1121-1128.	1.2	22
18	Charge-sharing observations with a CdTe pixel detector irradiated with a ⁵⁷ Co source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 177-181.	0.7	21

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19	Ionization damage on ATLAS-SCT front-end electronics considering low-dose-rate effects. IEEE Transactions on Nuclear Science, 2002, 49, 1106-1111.	1.2	20
20	Radiation hardness evaluation of SiGe HBT technologies for the Front-End electronics of the ATLAS Upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 828-832.	0.7	20
21	Direct charge sharing observation in single-photon-counting pixel detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 137-140.	0.7	19
22	Accurate contact resistivity extraction on Kelvin structures with upper and lower resistive layers. IEEE Transactions on Electron Devices, 2000, 47, 1431-1439.	1.6	18
23	Evaluation of silicon-germanium (SiGe) bipolar technologies for use in an upgraded atlas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 668-674.	0.7	17
24	IHP SiGe:C BiCMOS Technologies as a Suitable Backup Solution for the ATLAS Upgrade Front-End Electronics. IEEE Transactions on Nuclear Science, 2009, 56, 2449-2456.	1.2	17
25	Charge collection and field profile studies of heavily irradiated strip sensors for the ATLAS inner tracker upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 181-188.	0.7	17
26	The ABC130 barrel module prototyping programme for the ATLAS strip tracker. Journal of Instrumentation, 2020, 15, P09004-P09004.	0.5	17
27	Bump bonding of pixel systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 473, 95-101.	0.7	16
28	Gamma Radiation Effects on Different Varieties of SiGe:C HBT Technologies. IEEE Transactions on Nuclear Science, 2007, 54, 989-993.	1.2	16
29	Silicon wafer oxygenation from SiO ₂ layers for radiation hard detectors. Microelectronics Reliability, 2000, 40, 791-794.	0.9	15
30	Fabrication and simulation of novel ultra-thin 3D silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 115-118.	0.7	15
31	Enhanced Low Dose Rate Sensitivity (ELDRS) tests on advanced SiGe bipolar transistors for very high total dose applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 724, 41-46.	0.7	15
32	High-pitch metal-on-glass technology for pad pitch adaptation between detectors and readout electronics. IEEE Transactions on Nuclear Science, 2004, 51, 968-974.	1.2	13
33	Annealing Studies of magnetic Czochralski silicon radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 552, 27-33.	0.7	13
34	A read-out system for the Medipix2 chip capable of 500 frames per second. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 96-99.	0.7	13
35	Dear-Mama: A photon counting X-ray imaging project for medical applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 136-139.	0.7	13
36	Technology of p-type microstrip detectors with radiation hard p-spray, p-stop and moderated p-spray insulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 599-603.	0.7	13

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37	Radiation Studies of Power LDMOS Devices for High Energy Physics Applications. IEEE Transactions on Nuclear Science, 2010, , .	1.2	13
38	Combined effect of bias and annealing in gamma and neutron radiation assurance tests of SiGe bipolar transistors for HEP applications. Solid-State Electronics, 2011, 56, 179-184.	0.8	13
39	Radiation hardness evaluation of a 0.25 μm SiGe BiCMOS technology with LDMOS module. , 2011, , .		12
40	Study of surface properties of ATLAS12 strip sensors and their radiation resistance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 197-206.	0.7	12
41	Design of the first full size ATLAS ITk strip sensor for the endcap region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 137-141.	0.7	12
42	Lithium ion irradiation of standard and oxygenated silicon diodes. IEEE Transactions on Nuclear Science, 2004, 51, 2865-2871.	1.2	11
43	Double Sided 3D Detector Technologies at CNM-IMB. , 2006, , .		11
44	Detailed studies of full-size ATLAS12 sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 167-173.	0.7	11
45	High-energy proton irradiation effects on tunnelling MOS capacitors. Microelectronic Engineering, 2004, 72, 85-89.	1.1	10
46	Characterization of magnetic Czochralski silicon radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 548, 355-363.	0.7	10
47	Trapping of Electrons and Holes in p-type Silicon Irradiated with Neutrons. , 2006, , .		10
48	A novel ultra-thin 3D detector "For plasma diagnostics at JET and ITER tokamaks. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 57-60.	0.7	10
49	A double-sided, shield-less stave prototype for the ATLAS Upgrade strip tracker for the High Luminosity LHC. Journal of Instrumentation, 2014, 9, P03012-P03012.	0.5	10
50	Evaluation of the performance of irradiated silicon strip sensors for the forward detector of the ATLAS Inner Tracker Upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 207-212.	0.7	10
51	Special bump bonding technique for silicon pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 576, 150-153.	0.7	9
52	A forward silicon strip system for the ATLAS HL-LHC upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 730, 210-214.	0.7	9
53	A New Vertical JFET Power Device for Harsh Radiation Environments. Energies, 2017, 10, 256.	1.6	9
54	Test structures for MCM-D technology characterization. IEEE Transactions on Semiconductor Manufacturing, 1999, 12, 184-192.	1.4	8

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55	Edgeless detectors fabricated by dry etching process. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 70-73.	0.7	8
56	Performance of the SiGe HBT 8HP and 8WL Technologies after High Dose/Fluence Radiation Exposure. , 2008, , .		8
57	ATLAS17LS “ A large-format prototype silicon strip sensor for long-strip barrel section of ATLAS ITk strip detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 989, 164928.	0.7	8
58	Novel results on fluence dependence and annealing behavior of oxygenated and non-oxygenated silicon detectors. IEEE Transactions on Nuclear Science, 2002, 49, 1377-1382.	1.2	7
59	Simulation of CdTe:Ge crystal properties for nuclear radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 451-454.	0.7	7
60	P-spray implant optimization for the fabrication of n-in-p microstrip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 8-11.	0.7	7
61	Simulation methodology for dose effects in lateral DMOS transistors. Microelectronics Journal, 2012, 43, 50-56.	1.1	7
62	Rad-hard vertical JFET switch for the HV-MUX system of the ATLAS upgrade Inner Tracker. Journal of Instrumentation, 2016, 11, C01043-C01043.	0.5	7
63	Embedded pitch adapters for the ATLAS Tracker Upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 178-181.	0.7	6
64	Sensors for the End-cap prototype of the Inner Tracker in the ATLAS Detector Upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 833, 226-232.	0.7	6
65	Embedded pitch adapters: A high-yield interconnection solution for strip sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 221-228.	0.7	6
66	Electrical characterization of surface properties of the ATLAS17LS sensors after neutron, proton and gamma irradiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 983, 164456.	0.7	6
67	Ionization damage on ATLAS-SCT front-end electronics considering low dose rate effects. , 0, , .		5
68	Bias Conditions in Gamma Radiation Assurance Tests of Bipolar Technologies for HEP Applications. , 2006, , .		5
69	Characterization of irradiated detectors fabricated on p-type silicon substrates for super-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 33-36.	0.7	5
70	Engineering for the ATLAS Semiconductor Tracker (SCT) End-cap. Journal of Instrumentation, 2008, 3, P05002-P05002.	0.5	5
71	First fabrication of a silicon vertical JFET for power distribution in high energy physics applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 269-277.	0.7	5
72	Electrical characteristics of high-energy proton irradiated ultra-thin gate oxides. Microelectronics Reliability, 2002, 42, 1501-1504.	0.9	4

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73	Annealing studies of silicon microstrip detectors irradiated at high neutron fluences. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 181-183.	0.7	4
74	Research and development of a gamma-ray imaging spectrometer in the MeV range in Barcelona. , 2010, , .		4
75	Simulation of Total Ionising Dose on LDMOS devices for High Energy Physics applications. , 2011, , .		4
76	A double-sided silicon micro-strip Super-Module for the ATLAS Inner Detector upgrade in the High-Luminosity LHC. Journal of Instrumentation, 2014, 9, P02003-P02003.	0.5	4
77	Pixel CdTe semiconductor module to implement a sub-MeV imaging detector for astrophysics. Journal of Instrumentation, 2017, 12, C03048-C03048.	0.5	4
78	Prototyping of hybrids and modules for the forward silicon strip tracking detector for the ATLAS Phase-II upgrade. Journal of Instrumentation, 2017, 12, P05015-P05015.	0.5	4
79	Quality Assurance methodology for the ATLAS Inner Tracker strip sensor production. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 981, 164521.	0.7	4
80	Lithium ion-induced damage in silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 338-339.	0.7	3
81	Effect of Combined Oxygenation and Gettering on Minority Carrier Lifetime in High-Resistivity FZ Silicon. Journal of the Electrochemical Society, 2004, 151, G652.	1.3	3
82	Radiation hardness evaluation of a 130 nm SiGe BiCMOS technology for the ATLAS electronics upgrade. , 2010, , .		3
83	Development and performance of a gamma-ray imaging detector. Proceedings of SPIE, 2012, , .	0.8	3
84	Mechanism of anomalous recovery in advanced SiGe bipolar transistors after low dose rate irradiation for very high total doses. Microelectronics Reliability, 2014, 54, 2360-2363.	0.9	3
85	Characterisation of strip silicon detectors for the ATLAS Phase-II Upgrade with a micro-focused X-ray beam. Journal of Instrumentation, 2016, 11, P07023-P07023.	0.5	3
86	Thermal and hydrodynamic studies for micro-channel cooling for large area silicon sensors in high energy physics experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 863, 26-34.	0.7	3
87	Mapping the depleted area of silicon diodes using a micro-focused X-ray beam. Journal of Instrumentation, 2019, 14, P03024-P03024.	0.5	3
88	Humidity sensitivity of large area silicon sensors: Study and implications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 978, 164406.	0.7	3
89	Atomistic simulations of acceptor removal in p-type Si irradiated with neutrons. Nuclear Instruments & Methods in Physics Research B, 2022, 512, 42-48.	0.6	3
90	SiGe Bipolar Transistors for Harsh Radiation Environments. , 2007, , .		2

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91	Characterization of edgeless detectors fabricated by dry etching process. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 576, 95-97.	0.7	2
92	Ultimate limits for the radiation hardness of silicon strip detectors for sLHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 365-367.	0.7	2
93	IHP SiGe:C BiCMOS technologies as a suitable backup solution for the ATLAS upgrade Front-End electronics. , 2008, , .		2
94	Simulation of irradiated edgeless detectors. , 2008, , .		2
95	Design and fabrication of sensor prototypes for the end-cap tracker of the ATLAS upgrade. , 2012, , .		2
96	Low-resistance strip sensors for beam-loss event protection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 765, 252-257.	0.7	2
97	Hard-X and gamma-ray imaging detector for astrophysics based on pixelated CdTe semiconductors. Journal of Instrumentation, 2016, 11, C01011-C01011.	0.5	2
98	<inf>ON</inf> Degradation in Si Devices in Harsh Radiation Environments: Modeling of Damage-Dopant Interactions. , 2018, , .		2
99	Design and evaluation of large area strip sensor prototypes for the ATLAS Inner Tracker detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 981, 164536.	0.7	2
100	Microelectronic test structures for the development of a strip sensor technology for high energy physics experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163971.	0.7	2
101	Test structures for MCM-D technology characterization. , 0, , .		1
102	Extensive electrical and thermal characterization of an MCM-D technology. IEEE Transactions on Components and Packaging Technologies, 2002, 25, 112-119.	1.4	1
103	Test chip for bump bond yield evaluation in high density flip chip technologies. , 0, , .		1
104	Excess Base Current Model for Gamma-Irradiated SiGe Bipolar Transistors. , 2007, , .		1
105	Pitch adaptors of the ATLAS-SCT Endcap detector modules. Journal of Instrumentation, 2007, 2, T10001-T10001.	0.5	1
106	Ultra radiation hard silicon detectors for future experiments: 3D and p-type technologies. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 17-19.	0.5	1
107	U3Dthin “ Ultra thin 3D silicon detector for plasma diagnostics at the ITER tokamak. , 2009, , .		1
108	Automatic inspection of SET sensitivity in analog cells. , 2012, , .		1

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109	A portable telescope based on the ALIBAVA system for test beam studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 130-133.	0.7	1
110	Radiation hardness evaluation of a 130 nm SiGe BiCMOS technology for high energy physics applications. Journal of Instrumentation, 2013, 8, P10009-P10009.	0.5	1
111	Functional and performance evaluation of low-resistance strip sensors for beam-loss event protection. , 2014, , .		1
112	Gamma irradiation damage on the vertical JFET transistors fabricated at the IMB-CNM. Journal of Instrumentation, 2017, 12, C03050-C03050.	0.5	1
113	Technological solutions for large area microstrip radiation silicon sensors for the LHC Upgrade. , 2017, , .		1
114	Prototyping of petalets for the Phase-II upgrade of the silicon strip tracking detector of the ATLAS experiment. Journal of Instrumentation, 2018, 13, T03004-T03004.	0.5	1
115	Testbeam studies on pick-up in sensors with embedded pitch adapters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 120-124.	0.7	1
116	Beam-loss damage experiment on ATLAS-like silicon strip modules using an intense proton beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162838.	0.7	1
117	Mapping the in-plane electric field inside irradiated diodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 980, 164509.	0.7	1
118	A digital test structure for simultaneous bird's beak length and misalignment measurement in polysilicon emitter bipolar technologies. , 0, , .		0
119	Novel results on fluence dependence and annealing behaviour of oxygenated and non-oxygenated silicon detectors. , 0, , .		0
120	Total dose effects on ATLAS-SCT front-end electronics. , 0, , .		0
121	Optimization of a 0.6 $\frac{1}{4}$ m, single polysilicon emitter bipolar technology versus narrow emitter effects. Microelectronics Journal, 2002, 33, 659-665.	1.1	0
122	Radiation hardness of silicon diodes for high energy physics applications. , 0, , .		0
123	High pitch metal-on-glass technology for pad pitch adaptation between detectors and readout electronics. , 2003, , .		0
124	Simulation of CdTe:Ge crystal properties for nuclear radiation detectors. , 0, , .		0
125	Characterization of N-in-N microstrip radiation detectors fabricated on different silicon substrates. , 0, , .		0
126	Test structure assembly for bump bond yield measurement on high density flip chip technologies. Microelectronics Reliability, 2006, 46, 1095-1100.	0.9	0

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127	Large area strip edgeless detectors fabricated by plasma etching process. , 2007, , .		0
128	Characterisation of p-type detectors for the future Super-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 604-607.	0.7	0
129	Study of surface effects in the operation of 3D microstrip detectors with ultra-thin silicon substrates. , 2012, , .		0
130	Optimization of low-resistance strip sensors process and studies of radiation resistance. , 2015, , .		0
131	ALIBAVA Silicon Microstrip Readout System for Educational Purposes. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2563-2565.	0.2	0
132	Development of a pixelated CdTe detector module for a hard-x and gamma-ray imaging spectrometer application. , 2016, , .		0
133	A new vertical JFET technology for the powering scheme of the ATLAS upgrade inner tracker. , 2016, , .		0
134	Damages induced on ATLAS IBL modules by fast extracted and intense proton beam irradiation. Journal of Instrumentation, 2019, 14, C05024-C05024.	0.5	0
135	Design and performance of silicon strip sensors with slim edges for HPS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163991.	0.7	0
136	Measuring the border of the active area on silicon strip sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164665.	0.7	0