Fernando CarriÃ³ Argos

List of Publications by Year
in descending order

30 papers	476 citations	1478505 6 h-index	940533 16 g-index
30 all docs	30 docs citations	30 times ranked	511 citing authors

#	Article	IF	Citations
1	The Data Acquisition System for the ATLAS Tile Calorimeter Phase-II Upgrade Demonstrator. IEEE Transactions on Nuclear Science, 2022, 69, 687-695.	2.0	2
2	Design of the Compact Processing Module for the ATLAS Tile Calorimeter. IEEE Transactions on Nuclear Science, 2021, 68, 1944-1951.	2.0	4
3	The Data Acquisition System for the ATLAS Phase-II Tile Calorimeter Demonstrator. EPJ Web of Conferences, 2021, 253, 01002.	0.3	0
4	Sub-nanosecond synchronization node for high-energy astrophysics: The KM3NeT White Rabbit Node. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162777.	1.6	6
5	The PreProcessor module for the ATLAS Tile Calorimeter at the HL-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162487.	1.6	6
6	Reliability studies for the White Rabbit Switch in KM3NeT: FIDES and Highly Accelerated Life Tests. Journal of Instrumentation, 2020, 15, C02042-C02042.	1.2	6
7	KM3NeT acquisition: the new version of the Central Logic Board and its related Power Board, with highlights and evolution of the Control Unit. Journal of Instrumentation, 2020, 15, C03024-C03024.	1.2	6
8	FPGA implementation of a deep learning algorithm for real-time signal reconstruction in particle detectors under high pile-up conditions. Journal of Instrumentation, 2019, 14, P09002-P09002.	1.2	3
9	Clock Distribution and Readout Architecture for the ATLAS Tile Calorimeter at the HL-LHC. IEEE Transactions on Nuclear Science, 2019, 66, 1014-1020.	2.0	3
10	Performance of the Tile PreProcessor Demonstrator for the ATLAS Tile Calorimeter Phase II Upgrade. Journal of Instrumentation, 2016, 11, C03047-C03047.	1.2	11
11	Timing distribution and data flow for the ATLAS Tile Calorimeter Phase II upgrade. , 2016, , .		0
12	Firmware development for the ATLAS TileCal sROD. , 2015, , .		1
13	Upgrade of the ATLAS Tile Calorimeter Electronics. Journal of Physics: Conference Series, 2015, 587, 012020.	0.4	0
14	The PreProcessors for the ATLAS tile calorimeter phase II upgrade. , 2015, , .		1
15	Design of an FPGA-based embedded system for the ATLAS Tile Calorimeter front-end electronics test-bench. Journal of Instrumentation, 2014, 9, C03023-C03023.	1.2	2
16	The sROD module for the ATLAS Tile Calorimeter Phase-II Upgrade Demonstrator. Journal of Instrumentation, 2014, 9, C02019-C02019.	1.2	20
17	Computing challenges in the certification of ATLAS Tile Calorimeter front-end electronics during maintenance periods. Journal of Physics: Conference Series, 2014, 513, 012035.	0.4	1
18	The sROD module for the ATLAS Tile Calorimeter upgrade demonstrator. , 2014, , .		1

#	Article	IF	Citations
19	Upgrade for the ATLAS Tile Calorimeter Readout Electronics at the High Luminosity LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 69-71.	1.6	6
20	A new portable test bench for the ATLAS Tile Calorimeter front-end electronics certification. , 2013, , .		0
21	Upgrade analog readout and digitizing system for ATLAS TileCal demonstrator. , 2013, , .		2
22	Design of a portable test facility for the ATLAS Tile Calorimeter front-end electronics verification. , 2013, , .		0
23	A new portable test bench for the ATLAS Tile Calorimeter front-end electronics. Journal of Instrumentation, 2013, 8, C02046-C02046.	1.2	6
24	The sROD demonstrator for the ATLAS Tile Calorimeter Upgrade. , 2012, , .		1
25	AGATAâ€"Advanced GAmma Tracking Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 668, 26-58.	1.6	378
26	Optical Link Card Design for the Phase II Upgrade of TileCal Experiment. IEEE Transactions on Nuclear Science, 2011, 58, 1657-1663.	2.0	5
27	Functional super Read-Out Driver demonstrator for the Phase II Upgrade of the ATLAS Tile Calorimeter. , 2011, , .		2
28	Optimal filtering algorithm implementation in FPGAs for the ATLAS TileCal Read-Out drivers. , 2011, , .		0
29	Evaluation of a commercial APD array (Avalanche PhotoDiode) for a readout detector in a hadrontherapy beam characterization application. , 2010, , .		3
30	Development of an optical link card for the upgrade phase II of TileCal experiment. , 2010, , .		0