

Giuseppe Romeo

List of Publications by Year in descending order

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papers

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33
all docs

33
docs citations

33
times ranked

334
citing authors

#	ARTICLE	IF	CITATIONS
1	Proof-of-Principle of a Cherenkov-Tag Detector Prototype. <i>Sensors</i> , 2020, 20, 3437.	2.1	2
2	The ASTRI camera for the Cherenkov Telescope Array. , 2018, , .		10
3	The Muon Portal Project: Design and construction of a scanning portal based on muon tomography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 845, 322-325.	0.7	9
4	Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7-3946. <i>Astrophysical Journal</i> , 2017, 840, 74.	1.6	14
5	Procedures for the relative calibration of the SiPM gain on ASTRI SST-2M camera. <i>Experimental Astronomy</i> , 2017, 43, 1-17.	1.6	10
6	Characterization of a 6-6 mm ² 75-µm cell MPPC suitable for the Cherenkov Telescope Array project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 826, 31-38.	0.7	13
7	Front-end electronics for the Muon Portal project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 833, 169-180.	0.7	1
8	Temperature characterization of the CITIROC front-end chip of the ASTRI SST-2M Cherenkov camera. , 2016, , .		2
9	ASTRI SST-2M camera electronics. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
10	A New Simple and Effective Procedure for SiPM Electrical Parameter Extraction. <i>IEEE Sensors Journal</i> , 2016, 16, 3620-3626.	2.4	11
11	New Improved Model and Accurate Analytical Response of SiPMs Coupled to Read-Out Electronics. <i>IEEE Sensors Journal</i> , 2016, 16, 19-21.	2.4	14
12	Advances in Multi-Pixel Photon Counter technology: First characterization results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 806, 383-394.	0.7	18
13	Construction and characterization of the detection modules for the Muon Portal Project. , 2015, , .		0
14	The Muon Portal Double Tracker for the Inspection of Travelling Containers. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 3148-3154.	1.2	2
15	Fabrication, characterization and testing of silicon photomultipliers for the Muon Portal Project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 787, 236-239.	0.7	18
16	Characterization and performance of the ASIC (CITIROC) front-end of the ASTRI camera. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 794, 185-192.	0.7	58
17	A new enhanced PSPICE implementation of the equivalent circuit model of SiPM detectors. , 2015, , .		5
18	Evaluation of the optical cross talk level in the SiPMs adopted in ASTRI SST-2M Cherenkov Camera using EASIROC front-end electronics. <i>Journal of Instrumentation</i> , 2014, 9, C02015-C02015.	0.5	6

#	ARTICLE	IF	CITATIONS
19	The muon portal double tracker to inspect travelling containers. , 2014, , .		1
20	SiPM detectors for the ASTRI project in the framework of the Cherenkov Telescope Array. , 2014, , .		1
21	The camera of the ASTRI SST-2M prototype for the Cherenkov Telescope Array. , 2014, , .		6
22	Search for hidden high-Z materials inside containers with the Muon Portal Project. Journal of Instrumentation, 2014, 9, C01056-C01056.	0.5	24
23	Characterization Measurements Methodology and Instrumental Set-Up Optimization for New SiPM Detectorsâ€™Part I: Electrical Tests. IEEE Sensors Journal, 2014, 14, 3557-3566.	2.4	22
24	Characterization Measurements Methodology and Instrumental Set-Up Optimization for New SiPM Detectors - Part II: Optical Tests. IEEE Sensors Journal, 2014, 14, 3567-3578.	2.4	24
25	Silicon Photomultipliers Electrical Model Extensive Analytical Analysis. IEEE Transactions on Nuclear Science, 2014, 61, 23-34.	1.2	56
26	Electro-optical characterization of MPPC detectors for the ASTRI Cherenkov telescope camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 768, 32-42.	0.7	6
27	Accurate Analytical Single-Photoelectron Response of Silicon Photomultipliers. IEEE Sensors Journal, 2014, 14, 2749-2754.	2.4	20
28	PSPICE HIGH-LEVEL MODEL AND SIMULATIONS OF THE EASIROC ANALOG FRONT-END. International Journal of Modelling and Simulation, 2014, 34, .	2.3	3
29	Design of a muonic tomographic detector to scan travelling containers. Journal of Instrumentation, 2014, 9, C05029-C05029.	0.5	6
30	A new accurate analytical expression for the SiPM transient response to single photons. , 2014, , .		1
31	The muon portal project: A dedicated muon detector for the inspection of shipping containers. , 2013, , .		0
32	Improved SPICE electrical model of silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 726, 1-7.	0.7	25