

Giuseppe Romeo

List of Publications by Year in descending order

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32
papers

394
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758635

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794141

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33
times ranked

334
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Characterization and performance of the ASIC (CITIROC) front-end of the ASTRI camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 794, 185-192. | 0.7 | 58 |
| 2 | Silicon Photomultipliers Electrical Model Extensive Analytical Analysis. IEEE Transactions on Nuclear Science, 2014, 61, 23-34. | 1.2 | 56 |
| 3 | 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 |
| 4 | Search for hidden high-Z materials inside containers with the Muon Portal Project. Journal of Instrumentation, 2014, 9, C01056-C01056. | 0.5 | 24 |
| 5 | 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 |
| 6 | Characterization Measurements Methodology and Instrumental Set-Up Optimization for New SiPM Detectors - Part I: Electrical Tests. IEEE Sensors Journal, 2014, 14, 3557-3566. | 2.4 | 22 |
| 7 | Accurate Analytical Single-Photoelectron Response of Silicon Photomultipliers. IEEE Sensors Journal, 2014, 14, 2749-2754. | 2.4 | 20 |
| 8 | Fabrication, characterization and testing of silicon photomultipliers for the Muon Portal Project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 236-239. | 0.7 | 18 |
| 9 | Advances in Multi-Pixel Photon Counter technology: First characterization results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 806, 383-394. | 0.7 | 18 |
| 10 | New Improved Model and Accurate Analytical Response of SiPMs Coupled to Read-Out Electronics. IEEE Sensors Journal, 2016, 16, 19-21. | 2.4 | 14 |
| 11 | Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7-3946. Astrophysical Journal, 2017, 840, 74. | 1.6 | 14 |
| 12 | Characterization of a 6-6 mm ² 75-1/4 m cell MPPC suitable for the Cherenkov Telescope Array project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 826, 31-38. | 0.7 | 13 |
| 13 | A New Simple and Effective Procedure for SiPM Electrical Parameter Extraction. IEEE Sensors Journal, 2016, 16, 3620-3626. | 2.4 | 11 |
| 14 | Procedures for the relative calibration of the SiPM gain on ASTRI SST-2M camera. Experimental Astronomy, 2017, 43, 1-17. | 1.6 | 10 |
| 15 | The ASTRI camera for the Cherenkov Telescope Array. , 2018, , . | | 10 |
| 16 | The Muon Portal Project: Design and construction of a scanning portal based on muon tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 322-325. | 0.7 | 9 |
| 17 | Evaluation of the optical cross talk level in the SiPMs adopted in ASTRI SST-2M Cherenkov Camera using EASIROC front-end electronics. Journal of Instrumentation, 2014, 9, C02015-C02015. | 0.5 | 6 |
| 18 | The camera of the ASTRI SST-2M prototype for the Cherenkov Telescope Array. , 2014, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Design of a muonic tomographic detector to scan travelling containers. Journal of Instrumentation, 2014, 9, C05029-C05029. | 0.5 | 6 |
| 21 | A new enhanced PSPICE implementation of the equivalent circuit model of SiPM detectors. , 2015, , . | | 5 |
| 22 | ASTRI SST-2M camera electronics. Proceedings of SPIE, 2016, , . | 0.8 | 4 |
| 23 | PSPICE HIGH-LEVEL MODEL AND SIMULATIONS OF THE EASIROC ANALOG FRONT-END. International Journal of Modelling and Simulation, 2014, 34, . | 2.3 | 3 |
| 24 | The Muon Portal Double Tracker for the Inspection of Travelling Containers. IEEE Transactions on Nuclear Science, 2015, 62, 3148-3154. | 1.2 | 2 |
| 25 | Temperature characterization of the CITIROC front-end chip of the ASTRI SST-2M Cherenkov camera. , 2016, , . | | 2 |
| 26 | Proof-of-Principle of a Cherenkov-Tag Detector Prototype. Sensors, 2020, 20, 3437. | 2.1 | 2 |
| 27 | The muon portal double tracker to inspect travelling containers. , 2014, , . | | 1 |
| 28 | SiPM detectors for the ASTRI project in the framework of the Cherenkov Telescope Array. , 2014, , . | | 1 |
| 29 | A new accurate analytical expression for the SiPM transient response to single photons. , 2014, , . | | 1 |
| 30 | Front-end electronics for the Muon Portal project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 833, 169-180. | 0.7 | 1 |
| 31 | The muon portal project: A dedicated muon detector for the inspection of shipping containers. , 2013, , . | | 0 |
| 32 | Construction and characterization of the detection modules for the Muon Portal Project. , 2015, , . | | 0 |