

Luis Miguel Domingues Mendes

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

182
citations

1684188

5
h-index

1474206

9
g-index

50
all docs

50
docs citations

50
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	The energy spectrum of cosmic rays beyond the turn-down around 10^{17} eV as measured with the surface detector of the Pierre Auger Observatory. European Physical Journal C, 2021, 81, 1.	3.9	44
2	A search for ultra-high-energy photons at the Pierre Auger Observatory exploiting air-shower universality. , 2021, , .		15
3	Resistive Plate Chambers for the Pierre Auger array upgrade. Journal of Instrumentation, 2014, 9, C10023-C10023.	1.2	12
4	Outdoor field experience with autonomous RPC based stations. Journal of Instrumentation, 2016, 11, C09011-C09011.	1.2	9
5	MARTA: a high-energy cosmic-ray detector concept for high-accuracy muon measurement. European Physical Journal C, 2018, 78, 1.	3.9	9
6	Large-scale and multipolar anisotropies of cosmic rays detected at the Pierre Auger Observatory with energies above 4 EeV. , 2021, , .		9
7	Combined fit of the energy spectrum and mass composition across the ankle with the data measured at the Pierre Auger Observatory. , 2021, , .		8
8	UHECR arrival directions in the latest data from the original Auger and TA surface detectors and nearby galaxies. , 2021, , .		7
9	Long term experience in Autonomous Stations and production quality control. Journal of Instrumentation, 2019, 14, C07002-C07002.	1.2	6
10	Design and characterization of the PREC (Prototype Readout Electronics for Counting particles). Journal of Instrumentation, 2016, 11, T08004-T08004.	1.2	5
11	The upgrade of the Pierre Auger Observatory with the Scintillator Surface Detector.. , 2021, , .		5
12	Testing effects of Lorentz invariance violation in the propagation of astroparticles with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 023.	5.4	5
13	A large area TOF-tracker device based on multi-gap Resistive Plate Chambers. Journal of Instrumentation, 2016, 11, C10002-C10002.	1.2	4
14	The UHECR dipole and quadrupole in the latest data from the original Auger and TA surface detectors. , 2021, , .		4
15	The ultra-high-energy cosmic-ray sky above 32 EeV viewed from the Pierre Auger Observatory. , 2021, , .		4
16	Indication of a mass-dependent anisotropy above $10^{18.7}$ eV in the hybrid data of the Pierre Auger Observatory. , 2021, , .		4
17	Adjustments to Model Predictions of Depth of Shower Maximum and Signals at Ground Level using Hybrid Events of the Pierre Auger Observatory. , 2021, , .		3
18	Constraining Lorentz Invariance Violation using the muon content of extensive air showers measured at the Pierre Auger Observatory. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Energy spectrum of cosmic rays measured using the Pierre Auger Observatory. , 2021, , .		3
20	The depth of the shower maximum of air showers measured with AERA. , 2021, , .		3
21	A combined fit of energy spectrum, shower depth distribution and arrival directions to constrain astrophysical models of UHECR sources. , 2021, , .		3
22	FAMOUS â€“ A prototype silicon photomultiplier telescope for the fluorescence detection of ultra-high-energy cosmic rays. EPJ Web of Conferences, 2013, 53, 08015.	0.3	2
23	First results from the AugerPrime Radio Detector. , 2021, , .		2
24	Expected performance of the AugerPrime Radio Detector. , 2021, , .		2
25	Follow-up Search for UHE Photons from Gravitational Wave Sources with the Pierre Auger Observatory. , 2021, , .		2
26	Status and performance of the underground muon detector of the Pierre Auger Observatory. , 2021, , .		2
27	Monte Carlo simulations for the Pierre Auger Observatory using the VO auger grid resources. , 2021, , .		1
28	A tau scenario application to a search for upward-going showers with the Fluorescence Detector of the Pierre Auger Observatory. , 2021, , .		1
29	Search for upward-going showers with the Fluorescence Detector of the Pierre Auger Observatory. , 2021, , .		1
30	AugerPrime Upgraded Electronics. , 2021, , .		1
31	Combined Search for UHE Neutrinos from Binary Black Hole Mergers with the Pierre Auger Observatory. , 2021, , .		1
32	Muon Array with RPCs for Tagging Air showers (MARTA). , 2016, , .		1
33	Autonomous RPCs for a Cosmic Ray ground array. , 2017, , .		1
34	FAMOUS: a prototype silicon-photomultiplier telescope for the fluorescence detection of ultra-high-energy cosmic rays. , 2012, , .		0
35	R&D in photosensors and data acquisition systems for a new generation of Cosmic Ray Cherenkov and Fluorescence Imaging focal planes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 365-368.	1.6	0
36	Extraction of the Muon Signals Recorded with the Surface Detector of the Pierre Auger Observatory Using Recurrent Neural Networks. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Study on multi-ELVES in the Pierre Auger Observatory. , 2021, , .		0
38	The 2021 Open-Data release by the Pierre Auger Collaboration. , 2021, , .		0
39	The XY Scanner - A Versatile Method of the Absolute End-to-End Calibration of Fluorescence Detectors. , 2021, , .		0
40	Event-by-event reconstruction of the shower maximum X_{max} with the Surface Detector of the Pierre Auger Observatory using deep learning. , 2021, , .		0
41	Gamma/hadron discrimination using a small-WCD with four PMTs. , 2021, , .		0
42	Outreach activities at the Pierre Auger Observatory. , 2021, , .		0
43	Update of the Offline Framework for AugerPrime. , 2021, , .		0
44	Satellite Data for Atmospheric Monitoring at the Pierre Auger Observatory. , 2021, , .		0
45	Performance of the 433 m surface array of the Pierre Auger Observatory. , 2021, , .		0
46	Downward Terrestrial Gamma-ray Flashes at the Pierre Auger Observatory?. , 2021, , .		0
47	Reconstruction of Events Recorded with the Water-Cherenkov and Scintillator Surface Detectors of the Pierre Auger Observatory. , 2021, , .		0
48	The Sub-TeV transient Gamma-Ray sky: challenges and opportunities. , 2019, , .		0
49	MARTA TM s (Muon Array with RPC for Tagging Air showers) DAQ system. , 2020, , .		0
50	The Sub-TeV transient Gamma-Ray sky: challenges and opportunities. , 2020, , .		0