Lorenzo Pacini

List of Publications by Year
in descending order

35	721	687363 13	526287 27
papers	citations	h-index	g-index

35	35	35	1080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep learning based event reconstruction for the Limadou High-Energy Particle Detector. Physical Review D, 2022, 105, .	4.7	0
2	Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). Instruments, 2022, 6, 19.	1.8	6
3	A preliminary simulation study of influence of backsplash on the plastic scintillator detector design in HERD experiment. Radiation Detection Technology and Methods, 2021, 5, 332-338.	0.8	3
4	Measurement of the Iron Spectrum in Cosmic Rays from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>10</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>GeV</mml:mi></mml:mrow></mml:math> to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2.0</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>TeV</mml:mi></mml:mrow></mml:math> Physical Review Letters, 2021, 126, 241101.	7.8	20
5	The electronics of the High-Energy Particle Detector on board the CSES-01 satellite. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1013, 165639.	1.6	9
6	Control and data acquisition software of the highâ€energy particle detector on board the China Seismoâ€Electromagnetic Satellite space mission. Software - Practice and Experience, 2021, 51, 1459-1480.	3.6	10
7	CALET results after three years on the International Space Station. Journal of Physics: Conference Series, 2020, 1468, 012074.	0.4	2
8	Beam test calibrations of the HEPD detector on board the China Seismo-Electromagnetic Satellite. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 974, 164170.	1.6	15
9	Cosmic-Ray Electron Spectra from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>10</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>GeV</mml:mi></mml:mrow></mml:math> to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2.2</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Te</mml:mi></mml:mrow></mml:math>	7.8	31
10	CALET on the International Space Station: the first three years of observations. Physica Scripta, 2020, 95, 074012.	2.5	1
11	Tracker-In-Calorimeter (TIC): a calorimetric approach to tracking gamma rays in space experiments. Journal of Instrumentation, 2020, 15, P09034-P09034.	1.2	1
12	CaloCube: a new concept calorimeter for the detection of high energy cosmic rays in space. Journal of Physics: Conference Series, 2019, 1162, 012042.	0.4	6
13	Scientific Goals and In-orbit Performance of the High-energy Particle Detector on Board the CSES. Astrophysical Journal, Supplement Series, 2019, 243, 16.	7.7	33
14	CaloCube and â€œTracker In Calorimeterâ€•projects for the direct measurement of high energy charged astro-particles and gamma rays.. EPJ Web of Conferences, 2019, 209, 01039.	0.3	0
15	Direct Measurement of the Cosmic-Ray Proton Spectrum from 50ÂGeV to 10ÂTeV with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2019, 122, 181102.	7.8	108
16	A New Approach to Calorimetry in Space-Based Experiments for High-Energy Cosmic Rays. Universe, 2019, 5, 72.	2.5	2
17	The CALorimetric Electron Telescope (CALET) on the International Space Station: Results from the First Two Years On Orbit. Journal of Physics: Conference Series, 2019, 1181, 012003.	0.4	6
18	CALET Results after Three Years on Orbit on the International Space Station. Physics of Atomic Nuclei, 2019, 82, 766-772.	0.4	5

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19	The CALOCUBE project for a space based cosmic ray experiment: design, construction, and first performance of a high granularity calorimeter prototype. Journal of Instrumentation, 2019, 14, P11004-P11004.	1.2	12
20	The HEPD particle detector of the CSES satellite mission for investigating seismo-associated perturbations of the Van Allen belts. Science China Technological Sciences, 2018, 61, 643-652.	4.0	37
21	On-orbit operations and offline data processing of CALET onboard the ISS. Astroparticle Physics, 2018, 100, 29-37.	4.3	26
22	Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. Astrophysical Journal, Supplement Series, 2018, 238, 5.	7.7	16
23	Extended Measurement of the Cosmic-Ray Electron and Positron Spectrum from 11ÂGeV to 4.8ÂTeV with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2018, 120, 261102.	7.8	134
24	Search for GeV Gamma-Ray Counterparts of Gravitational Wave Events by CALET. Astrophysical Journal, 2018, 863, 160.	4.5	10
25	CaloCube: a novel calorimeter for high-energy cosmic rays in space. Journal of Instrumentation, 2017, 12, C06004-C06004.	1.2	0
26	Energy calibration of CALET onboard the International Space Station. Astroparticle Physics, 2017, 91, 1-10.	4.3	39
27	CaloCube: An isotropic spaceborne calorimeter for high-energy cosmic rays. Optimization of the detector performance for protons and nuclei. Astroparticle Physics, 2017, 96, 11-17.	4.3	13
28	Energy Spectrum of Cosmic-Ray Electron and Positron from 10ÂGeV to 3ÂTeV Observed with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2017, 119, 181101.	7.8	116
29	CaloCube: A new-concept calorimeter for the detection of high-energy cosmic rays in space. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 421-424.	1.6	16
30	CaloCube: an innovative homogeneous calorimeter for the next-generation space experiments. Journal of Physics: Conference Series, 2017, 928, 012013.	0.4	10
31	CaloCube: a novel calorimeter for high-energy cosmic rays in space. EPJ Web of Conferences, 2017, 136, 02011.	0.3	0
32	Capability of electron identification for the CALET measurement.. , 2017, , .		0
33	Study on the High Energy Particle Detector calorimeter. , 2017, , .		1
34	Calocubeâ€"A highly segmented calorimeter for a space based experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 609-613.	1.6	13
35	CALET UPPER LIMITS ON X-RAY AND GAMMA-RAY COUNTERPARTS OF GW151226. Astrophysical Journal Letters, 2016, 829, L20.	8.3	20