

# Lorenzo Pacini

## List of Publications by Year in descending order

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35  
papers

721  
citations

687363

13  
h-index

526287

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1080  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Energy calibration of CALET onboard the International Space Station. Astroparticle Physics, 2017, 91, 1-10.	4.3	39
5	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
6	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
7	Direct Measurement of the Cosmic-Ray Carbon and Oxygen Spectra from $10 < \text{GeV} < \text{math> to } < \text{math> to$	7.8	31
8	On-orbit operations and offline data processing of CALET onboard the ISS. Astroparticle Physics, 2018, 100, 29-37.	4.3	26
9	Measurement of the Iron Spectrum in Cosmic Rays from $2.0 < \text{TeV} < \text{math> to } < \text{math> to$	7.8	20
10	CALET UPPER LIMITS ON X-RAY AND GAMMA-RAY COUNTERPARTS OF GW151226. Astrophysical Journal Letters, 2016, 829, L20.	8.3	20
11	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
12	Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. Astrophysical Journal, Supplement Series, 2018, 238, 5.	7.7	16
13	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
14	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
15	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
16	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
17	CaloCube: an innovative homogeneous calorimeter for the next-generation space experiments. Journal of Physics: Conference Series, 2017, 928, 012013.	0.4	10
18	Search for GeV Gamma-Ray Counterparts of Gravitational Wave Events by CALET. Astrophysical Journal, 2018, 863, 160.	4.5	10

#	ARTICLE	IF	CITATIONS
19	Control and data acquisition software of the high-energy particle detector on board the China Seismo-Electromagnetic Satellite space mission. <i>Software - Practice and Experience</i> , 2021, 51, 1459-1480.	3.6	10
20	The electronics of the High-Energy Particle Detector on board the CSES-01 satellite. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1013, 165639.	1.6	9
21	CaloCube: a new concept calorimeter for the detection of high energy cosmic rays in space. <i>Journal of Physics: Conference Series</i> , 2019, 1162, 012042.	0.4	6
22	The CALorimetric Electron Telescope (CALET) on the International Space Station: Results from the First Two Years On Orbit. <i>Journal of Physics: Conference Series</i> , 2019, 1181, 012003.	0.4	6
23	Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). <i>Instruments</i> , 2022, 6, 19.	1.8	6
24	CALET Results after Three Years on Orbit on the International Space Station. <i>Physics of Atomic Nuclei</i> , 2019, 82, 766-772.	0.4	5
25	A preliminary simulation study of influence of backplash on the plastic scintillator detector design in HERD experiment. <i>Radiation Detection Technology and Methods</i> , 2021, 5, 332-338.	0.8	3
26	A New Approach to Calorimetry in Space-Based Experiments for High-Energy Cosmic Rays. <i>Universe</i> , 2019, 5, 72.	2.5	2
27	CALET results after three years on the International Space Station. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012074.	0.4	2
28	Study on the High Energy Particle Detector calorimeter. , 2017, , .		1
29	CALET on the International Space Station: the first three years of observations. <i>Physica Scripta</i> , 2020, 95, 074012.	2.5	1
30	Tracker-In-Calorimeter (TIC): a calorimetric approach to tracking gamma rays in space experiments. <i>Journal of Instrumentation</i> , 2020, 15, P09034-P09034.	1.2	1
31	CaloCube: a novel calorimeter for high-energy cosmic rays in space. <i>Journal of Instrumentation</i> , 2017, 12, C06004-C06004.	1.2	0
32	CaloCube: a novel calorimeter for high-energy cosmic rays in space. <i>EPJ Web of Conferences</i> , 2017, 136, 02011.	0.3	0
33	CaloCube and "Tracker In Calorimeter" projects for the direct measurement of high energy charged astro-particles and gamma rays.. <i>EPJ Web of Conferences</i> , 2019, 209, 01039.	0.3	0
34	Capability of electron identification for the CALET measurement.. , 2017, , .		0
35	Deep learning based event reconstruction for the Limadou High-Energy Particle Detector. <i>Physical Review D</i> , 2022, 105, .	4.7	0