

# Cristian De Santis

## List of Publications by Year in descending order

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86  
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all docs

88  
docs citations

88  
times ranked

3981  
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	Helium Fluxes Measured by the PAMELA Experiment from the Minimum to the Maximum Solar Activity for Solar Cycle 24. Astrophysical Journal Letters, 2022, 925, L24.	8.3	12
3	New results on protons inside the South Atlantic Anomaly, at energies between 40 and 250 MeV in the period 2018–2020, from the CSES-01 satellite mission. Physical Review D, 2022, 105, .	4.7	7
4	Trapped Proton Fluxes Estimation Inside the South Atlantic Anomaly Using the NASA AE9/AP9/SPM Radiation Models along the China Seismo-Electromagnetic Satellite Orbit. Applied Sciences (Switzerland), 2021, 11, 3465.	2.5	4
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 high-energy particle detector on board the China Seismo-Electromagnetic Satellite space mission. Software - Practice and Experience, 2021, 51, 1459-1480.	3.6	10
7	The Electric Field Detector on Board the China Seismo Electromagnetic Satellite—In-Orbit Results and Validation. Instruments, 2021, 5, 1.	1.8	21
8	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
9	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
10	Proton Fluxes Measured by the PAMELA Experiment from the Minimum to the Maximum Solar Activity for Solar Cycle 24. Astrophysical Journal Letters, 2018, 854, L2.	8.3	65
11	Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. Astrophysical Journal Letters, 2018, 852, L28.	8.3	10
12	Lithium and Beryllium Isotopes with the PAMELA Experiment. Astrophysical Journal, 2018, 862, 141.	4.5	14
13	New Upper Limit on Strange Quark Matter Abundance in Cosmic Rays with the PAMELA Space Experiment. Physical Review Letters, 2015, 115, 111101.	7.8	14
14	TIME DEPENDENCE OF THE $e^+$ FLUX MEASURED BY PAMELA DURING THE 2006 JULY–2009 DECEMBER SOLAR MINIMUM. Astrophysical Journal, 2015, 810, 142.	4.5	60
15	Time variations of proton flux in Earth inner radiation belt during 23/24 solar cycles based on the PAMELA and the ARINA data. Journal of Physics: Conference Series, 2015, 632, 012069.	0.4	0
16	Reentrant albedo proton fluxes measured by the PAMELA experiment. Journal of Geophysical Research: Space Physics, 2015, 120, 3728-3738.	2.4	20
17	Measurement of electron-positron spectrum in high-energy cosmic rays in the PAMELA experiment. Journal of Physics: Conference Series, 2015, 632, 012014.	0.4	3
18	PAMELA measurements of the boron and carbon spectra. Journal of Physics: Conference Series, 2015, 632, 012017.	0.4	1

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19	Study of deuteron spectra under radiation belt with PAMELA instrument. Journal of Physics: Conference Series, 2015, 632, 012060.	0.4	0
20	Solar modulation of GCR electrons over the 23rd solar minimum with PAMELA. Journal of Physics: Conference Series, 2015, 632, 012073.	0.4	2
21	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. Astrophysical Journal, 2015, 811, 21.	4.5	9
22	TRAPPED PROTON FLUXES AT LOW EARTH ORBITS MEASURED BY THE PAMELA EXPERIMENT. Astrophysical Journal Letters, 2015, 799, L4.	8.3	27
23	Measurements of heavy-ion anisotropy and dose rates in the Russian section of the International Space Station with the Sileye-3/Alteino detector. Journal of Physics C: Nuclear and Particle Physics, 2015, 42, 025002.	3.6	4
24	On-line and off-line data analysis for the EUSO-TA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 773, 164-171.	1.6	4
25	Detection of a change in the North-South ratio of count rates of particles of high-energy cosmic rays during a change in the polarity of the magnetic field of the Sun. JETP Letters, 2015, 101, 228-231.	1.4	0
26	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. JETP Letters, 2015, 101, 295-298.	1.4	4
27	Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. Advances in Space Research, 2015, 55, 2940-2945.	2.6	18
28	PAMELA'S MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. Astrophysical Journal Letters, 2015, 801, L3.	8.3	27
29	Relative nuclear abundance from C to Fe and integrated flux inside the Russian part of the ISS with the Sileye-3/Alteino experiment. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 015202.	3.6	3
30	Summary of recent results obtained by the Sileye-3/Alteino detector in the Russian part of the International Space Station as part of the ALTCRISS project. Journal of Radiation Research, 2014, 55, i139-i140.	1.6	0
31	The PAMELA Mission: Heralding a new era in precision cosmic ray physics. Physics Reports, 2014, 544, 323-370.	25.6	147
32	A method to detect positron anisotropies with Pamela data. Nuclear Physics, Section B, Proceedings Supplements, 2014, 256-257, 173-178.	0.4	2
33	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2014, 791, 93.	4.5	127
34	New measurements of the energy spectra of high-energy cosmic-ray protons and helium nuclei with the calorimeter in the PAMELA experiment. Journal of Experimental and Theoretical Physics, 2014, 119, 448-452.	0.9	6
35	Analysis on H spectral shape during the early 2012 SEPs with the PAMELA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 158-161.	1.6	2
36	Measurement of hydrogen and helium isotopes flux in galactic cosmic rays with the PAMELA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 273-275.	1.6	4

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37	The PAMELA experiment and antimatter in the universe. <i>Hyperfine Interactions</i> , 2014, 228, 101-109.	0.5	0
38	PAMELA mission: heralding a new era in cosmic ray physics. <i>EPJ Web of Conferences</i> , 2014, 71, 00115.	0.3	1
39	<i>U</i> -band photometry of 17 WINGS clusters. <i>Astronomy and Astrophysics</i> , 2014, 561, A111.	5.1	19
40	Cosmic-Ray Positron Energy Spectrum Measured by PAMELA. <i>Physical Review Letters</i> , 2013, 111, 081102.	7.8	243
41	Measurement of the flux of primary cosmic ray antiprotons with energies of 60 MeV to 350 GeV in the PAMELA experiment. <i>JETP Letters</i> , 2013, 96, 621-627.	1.4	105
42	The PAMELA space experiment. <i>Advances in Space Research</i> , 2013, 51, 209-218.	2.6	45
43	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. <i>Advances in Space Research</i> , 2013, 51, 219-226.	2.6	36
44	North-south asymmetry for high-energy cosmic-ray electrons measured with the PAMELA experiment. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 268-273.	0.9	1
45	Anisotropy studies in the cosmic ray proton flux with the PAMELA experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2013, 239-240, 123-128.	0.4	4
46	TIME DEPENDENCE OF THE PROTON FLUX MEASURED BY PAMELA DURING THE 2006 JULY-2009 DECEMBER SOLAR MINIMUM. <i>Astrophysical Journal</i> , 2013, 765, 91.	4.5	223
47	Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012056.	0.4	2
48	Cosmic Ray Study with the PAMELA Experiment. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012003.	0.4	8
49	Study of solar modulation of galactic cosmic rays with the PAMELA and ARINA spectrometers in 2006-2012. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012194.	0.4	0
50	MEASUREMENT OF THE ISOTOPIC COMPOSITION OF HYDROGEN AND HELIUM NUCLEI IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. <i>Astrophysical Journal</i> , 2013, 770, 2.	4.5	39
51	Galactic deuteron spectrum measured in PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012040.	0.4	4
52	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012029.	0.4	6
53	Cosmic ray electron and positron spectra measured with PAMELA. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012035.	0.4	1
54	The PAMELA experiment: light-nuclei selection with stand-alone detectors. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012038.	0.4	0

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55	Search for cosmic ray electron-positron anisotropies with the Pamela data. Journal of Physics: Conference Series, 2013, 409, 012055.	0.4	3
56	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. Journal of Physics: Conference Series, 2013, 409, 012188.	0.4	5
57	The PAMELA space mission for antimatter and dark matter searches in space. Hyperfine Interactions, 2012, 213, 147-158.	0.5	0
58	Heavy-Ion Anisotropy Measured by ALTEA in the International Space Station. Radiation Research, 2011, 176, 397-406.	1.5	25
59	Cosmic-Ray Electron Flux Measured by the PAMELA Experiment between 1 and 625 GeV. Physical Review Letters, 2011, 106, 201101.	7.8	281
60	PAMELA Measurements of Cosmic-Ray Proton and Helium Spectra. Science, 2011, 332, 69-72.	12.6	686
61	OBSERVATIONS OF THE 2006 DECEMBER 13 AND 14 SOLAR PARTICLE EVENTS IN THE 80 MeV $1 <sup>\leq</sup> -3$ GeV $1 <sup>\leq</sup> -1$ RANGE FROM SPACE WITH THE PAMELA DETECTOR. Astrophysical Journal, 2011, 742, 102.	4.5	83
62	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. Astrophysical Journal Letters, 2011, 737, L29.	8.3	40
63	PAMELA and electrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 28-35.	1.6	1
64	Results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 243-248.	0.4	2
65	Ion rates in the International Space Station during the December 2006 Solar Particle Event. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 095102.	3.6	14
66	Measurement of the high-energy electron and positron spectrum in the PAMELA experiment. Bulletin of the Lebedev Physics Institute, 2010, 37, 184-190.	0.6	3
67	The radiation environment in the ISS-USLab measured by ALTEA: Spectra and relative nuclear abundances in the polar, equatorial and SAA regions. Advances in Space Research, 2010, 46, 797-799.	2.6	16
68	A statistical procedure for the identification of positrons in the PAMELA experiment. Astroparticle Physics, 2010, 34, 1-11.	4.3	168
69	The PAMELA Space Mission for Antimatter and Dark Matter Searches in Cosmic Rays. , 2010, , .		1
70	PAMELA Results on the Cosmic-Ray Antiproton Flux from 60 MeV to 180 GeV in Kinetic Energy. Physical Review Letters, 2010, 105, 121101.	7.8	444
71	Star formation and mass assembly in high redshift galaxies. Astronomy and Astrophysics, 2009, 504, 751-767.	5.1	278
72	A comprehensive study of large-scale structures in the GOODS-SOUTH field up to $z \sim 2.5$ . Astronomy and Astrophysics, 2009, 501, 865-877.	5.1	39

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73	Precision studies of cosmic rays with the PAMELA satellite experiment. , 2009, , .		0
74	PAMELA and indirect dark matter searches. New Journal of Physics, 2009, 11, 105023.	2.9	31
75	Measurements of quasi-trapped electron and positron fluxes with PAMELA. Journal of Geophysical Research, 2009, 114, .	3.3	17
76	The isolated neutron star RBS1774 revisited. Astronomy and Astrophysics, 2009, 499, 267-272.	5.1	14
77	The Large Binocular Camera: description and performances of the first binocular imager. Proceedings of SPIE, 2008, , .	0.8	10
78	The performance of the blue prime focus large binocular camera at the large binocular telescope. Astronomy and Astrophysics, 2008, 482, 349-357.	5.1	95
79	A near-ultraviolet view of the inner region of M31 with the large binocular telescope. Astronomy and Astrophysics, 2007, 476, 193-198.	5.1	1
80	ConvPhot: A profile-matching algorithm for precision photometry. New Astronomy, 2007, 12, 271-288.	1.8	40
81	A comparison of LBGs, DRGs, and BzK galaxies: their contribution to the stellar mass density in the GOODS-MUSIC sample. Astronomy and Astrophysics, 2007, 465, 393-404.	5.1	85
82	Physical properties of $z \sim 4$ LBGs: differences between galaxies with and without Ly $\alpha$ emission. Astronomy and Astrophysics, 2007, 471, 433-438.	5.1	63
83	The Galaxy mass function up to $z=4$ in the GOODS-MUSIC sample: into the epoch of formation of massive galaxies. Astronomy and Astrophysics, 2006, 459, 745-757.	5.1	340
84	The GOODS-MUSIC sample: a multicolour catalog of near-IR selected galaxies in the GOODS-South field. Astronomy and Astrophysics, 2006, 449, 951-968.	5.1	284
85	The clustering evolution of distant red galaxies in the GOODS-MUSIC sample. Astronomy and Astrophysics, 2006, 453, 507-515.	5.1	47
86	The Large Binocular Camera image simulator: predicting the performances of LBC. , 2004, , .		0