Cristian De Santis

List of Publications by Year
in descending order

86 papers	4,559 citations	186265 28 h-index	95266 68 g-index
88 all docs	88 docs citations	88 times ranked	3981 citing authors

#	Article	IF	Citations
1	PAMELA Measurements of Cosmic-Ray Proton and Helium Spectra. Science, 2011, 332, 69-72.	12.6	686
2	PAMELA Results on the Cosmic-Ray Antiproton Flux from 60ÂMeV to 180ÂGeV in Kinetic Energy. Physical Review Letters, 2010, 105, 121101.	7.8	444
3	The Galaxy mass function up toz$mathsf{=4}$ in the GOODS-MUSIC sample: into the epoch of formation of massive galaxies. Astronomy and Astrophysics, 2006, 459, 745-757.	5.1	340
4	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
5	Cosmic-Ray Electron Flux Measured by the PAMELA Experiment between 1 and 625ÂGeV. Physical Review Letters, 2011, 106, 201101.	7.8	281
6	Star formation and mass assembly in high redshift galaxies. Astronomy and Astrophysics, 2009, 504, 751-767.	5.1	278
7	Cosmic-Ray Positron Energy Spectrum Measured by PAMELA. Physical Review Letters, 2013, 111, 081102.	7.8	243
8	TIME DEPENDENCE OF THE PROTON FLUX MEASURED BY PAMELA DURING THE 2006 JULY-2009 DECEMBER SOLAR MINIMUM. Astrophysical Journal, 2013, 765, 91.	4.5	223
9	A statistical procedure for the identification of positrons in the PAMELA experiment. Astroparticle Physics, 2010, 34, 1-11.	4.3	168
10	The PAMELA Mission: Heralding a new era in precision cosmic ray physics. Physics Reports, 2014, 544, 323-370.	25.6	147
11	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2014, 791, 93.	4.5	127
12	Measurement of the flux of primary cosmic ray antiprotons with energies of 60 MeV to 350 GeV in the PAMELA experiment. JETP Letters, 2013, 96, 621-627.	1.4	105
13	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
14	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
15	OBSERVATIONS OF THE 2006 DECEMBER 13 AND 14 SOLAR PARTICLE EVENTS IN THE 80 MeV n^{â€“1}-3 GeV n^{â€“1}RANGE FROM SPACE WITH THE PAMELA DETECTOR. Astrophysical Journal, 2011, 742, 102.	4.5	83
16	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
17	Physical properties of z ~ 4 LBGs: differences between galaxies with and without LyÎ± emission. Astronomy and Astrophysics, 2007, 471, 433-438.	5.1	63
18	TIME DEPENDENCE OF THEe^{â”}FLUX MEASURED BYPAMELADURING THE 2006 JULYâ€“2009 DECEMBER SOLAR MINIMUM. Astrophysical Journal, 2015, 810, 142.	4.5	60

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19	The clustering evolution of distant red galaxies inÂtheÂGOODS-MUSIC sample. Astronomy and Astrophysics, 2006, 453, 507-515.	5.1	47
20	The PAMELA space experiment. Advances in Space Research, 2013, 51, 209-218.	2.6	45
21	ConvPhot: A profile-matching algorithm for precision photometry. New Astronomy, 2007, 12, 271-288.	1.8	40
22	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. Astrophysical Journal Letters, 2011, 737, L29.	8.3	40
23	A comprehensive study of large-scale structures in the GOODS-SOUTH field up to ${mathsf z} sim $ 2.5. Astronomy and Astrophysics, 2009, 501, 865-877.	5.1	39
24	MEASUREMENT OF THE ISOTOPIC COMPOSITION OF HYDROGEN AND HELIUM NUCLEI IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2013, 770, 2.	4.5	39
25	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
26	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. Advances in Space Research, 2013, 51, 219-226.	2.6	36
27	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
28	PAMELA and indirect dark matter searches. New Journal of Physics, 2009, 11, 105023.	2.9	31
29	TRAPPED PROTON FLUXES AT LOW EARTH ORBITS MEASURED BY THE PAMELA EXPERIMENT. Astrophysical Journal Letters, 2015, 799, L4.	8.3	27
30	PAMELAâ€™S MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. Astrophysical Journal Letters, 2015, 801, L3.	8.3	27
31	Heavy-Ion Anisotropy Measured by ALTEA in the International Space Station. Radiation Research, 2011, 176, 397-406.	1.5	25
32	The Electric Field Detector on Board the China Seismo Electromagnetic Satelliteâ€”In-Orbit Results and Validation. Instruments, 2021, 5, 1.	1.8	21
33	Reentrant albedo proton fluxes measured by the PAMELA experiment. Journal of Geophysical Research: Space Physics, 2015, 120, 3728-3738.	2.4	20
34	U-band photometry of 17 WINGS clusters. Astronomy and Astrophysics, 2014, 561, A111.	5.1	19
35	Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. Advances in Space Research, 2015, 55, 2940-2945.	2.6	18
36	Measurements of quasiâ€trapped electron and positron fluxes with PAMELA. Journal of Geophysical Research, 2009, 114, .	3.3	17

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37	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
38	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
39	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
40	Lithium and Beryllium Isotopes with the PAMELAÂExperiment. Astrophysical Journal, 2018, 862, 141.	4.5	14
41	The isolated neutron star RBS1774 revisited. Astronomy and Astrophysics, 2009, 499, 267-272.	5.1	14
42	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
43	The Large Binocular Camera: description and performances of the first binocular imager. Proceedings of SPIE, 2008, , .	0.8	10
44	Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. Astrophysical Journal Letters, 2018, 852, L28.	8.3	10
45	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
46	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. Astrophysical Journal, 2015, 811, 21.	4.5	9
47	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
48	Cosmic Ray Study with the PAMELA Experiment. Journal of Physics: Conference Series, 2013, 409, 012003.	0.4	8
49	New results on protons inside the South Atlantic Anomaly, at energies between 40 and 250ÂMeV in the period 2018â€“2020, from the CSES-01 satellite mission. Physical Review D, 2022, 105, .	4.7	7
50	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. Journal of Physics: Conference Series, 2013, 409, 012029.	0.4	6
51	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
52	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. Journal of Physics: Conference Series, 2013, 409, 012188.	0.4	5
53	Anisotropy studies in the cosmic ray proton flux with the PAMELA experiment. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 123-128.	0.4	4
54	Galactic deuteron spectrum measured in PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012040.	0.4	4

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55	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
56	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 G: Nuclear and Particle Physics, 2015, 42, 025002.	3.6	4
57	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
58	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. JETP Letters, 2015, 101, 295-298.	1.4	4
59	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
60	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
61	Search for cosmic ray electron-positron anisotropies with the Pamela data. Journal of Physics: Conference Series, 2013, 409, 012055.	0.4	3
62	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
63	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
64	Results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 243-248.	0.4	2
65	Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012056.	0.4	2
66	A method to detect positron anisotropies with Pamela data. Nuclear Physics, Section B, Proceedings Supplements, 2014, 256-257, 173-178.	0.4	2
67	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
68	Solar modulation of GCR electrons over the 23rd solar minimum with PAMELA. Journal of Physics: Conference Series, 2015, 632, 012073.	0.4	2
69	A near-ultraviolet view of the inner region of Mâ€‰31 with the large binocular telescope. Astronomy and Astrophysics, 2007, 476, 193-198.	5.1	1
70	The PAMELA Space Mission for Antimatter and Dark Matter Searches in Cosmic Rays. , 2010, , .		1
71	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
72	North-south asymmetry for high-energy cosmic-ray electrons measured with the PAMELA experiment. Journal of Experimental and Theoretical Physics, 2013, 117, 268-273.	0.9	1

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73	Cosmic ray electron and positron spectra measured with PAMELA. Journal of Physics: Conference Series, 2013, 409, 012035.	0.4	1
74	PAMELA mission: heralding a new era in cosmic ray physics. EPJ Web of Conferences, 2014, 71, 00115.	0.3	1
75	PAMELA measurements of the boron and carbon spectra. Journal of Physics: Conference Series, 2015, 632, 012017.	0.4	1
76	The Large Binocular Camera image simulator: predicting the performances of LBC. , 2004, , .		0
77	Precision studies of cosmic rays with the PAMELA satellite experiment. , 2009, , .		0
78	The PAMELA space mission for antimatter and dark matter searches in space. Hyperfine Interactions, 2012, 213, 147-158.	0.5	0
79	Study of solar modulation of galactic cosmic rays with the PAMELA and ARINA spectrometers in 2006-2012. Journal of Physics: Conference Series, 2013, 409, 012194.	0.4	0
80	The PAMELA experiment: light-nuclei selection with stand-alone detectors. Journal of Physics: Conference Series, 2013, 409, 012038.	0.4	0
81	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
82	The PAMELA experiment and antimatter in the universe. Hyperfine Interactions, 2014, 228, 101-109.	0.5	0
83	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
84	Study of deuteron spectra under radiation belt with PAMELA instrument. Journal of Physics: Conference Series, 2015, 632, 012060.	0.4	0
85	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
86	Deep learning based event reconstruction for the Limadou High-Energy Particle Detector. Physical Review D, 2022, 105, .	4.7	0