

Roberta Sparvoli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5417771/publications.pdf>

Version: 2024-02-01

253
papers

9,060
citations

93792

39
h-index

48101

92
g-index

256
all docs

256
docs citations

256
times ranked

7867
citing authors

#	ARTICLE	IF	CITATIONS
1	Capabilities of the GAMMA-400 gamma-ray telescope to detect gamma-ray bursts from lateral directions. <i>Advances in Space Research</i> , 2022, 69, 514-530.	1.2	3
2	Deep learning based event reconstruction for the Limadou High-Energy Particle Detector. <i>Physical Review D</i> , 2022, 105, .	1.6	0
3	Helium Fluxes Measured by the PAMELA Experiment from the Minimum to the Maximum Solar Activity for Solar Cycle 24. <i>Astrophysical Journal Letters</i> , 2022, 925, L24.	3.0	12
4	Advances in the Research on Cosmic Rays and Their Impact on Human Activities. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3459.	1.3	0
5	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. <i>Physical Review D</i> , 2022, 105, .	1.6	7
6	Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). <i>Instruments</i> , 2022, 6, 19.	0.8	6
7	On the Magnetosphere–Ionosphere Coupling During the May 2021 Geomagnetic Storm. <i>Space Weather</i> , 2022, 20, .	1.3	4
8	Can an impulsive variation of the solar wind plasma pressure trigger a plasma bubble? A case study based on CSES, Swarm and THEMIS data. <i>Advances in Space Research</i> , 2021, 67, 35-45.	1.2	12
9	Trapped Proton Fluxes Estimation Inside the South Atlantic Anomaly Using the NASA AE9/AP9/SPM Radiation Models along the China Seismo-Electromagnetic Satellite Orbit. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3465.	1.3	4
10	The August 2018 Geomagnetic Storm Observed by the High-Energy Particle Detector on Board the CSES-01 Satellite. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5680.	1.3	13
11	Cosmic antihelium-3 nuclei sensitivity of the GAPS experiment. <i>Astroparticle Physics</i> , 2021, 130, 102580.	1.9	10
12	Solar-cycle Variations of South Atlantic Anomaly Proton Intensities Measured with the PAMELA Mission. <i>Astrophysical Journal Letters</i> , 2021, 917, L21.	3.0	7
13	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.	0.7	9
14	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.	2.5	10
15	East–West Proton Flux Anisotropy Observed with the PAMELA Mission. <i>Astrophysical Journal</i> , 2021, 919, 114.	1.6	3
16	CALET results after three years on the International Space Station. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012074.	0.3	2
17	Beam test calibrations of the HEPD detector on board the China Seismo-Electromagnetic Satellite. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 974, 164170.	0.7	15
18	Cosmic Rays Investigation by the PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012017.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Time dependence of the proton and helium flux measured by PAMELA. Journal of Physics: Conference Series, 2020, 1342, 012124.	0.3	0
20	Time Dependence of the Flux of Helium Nuclei in Cosmic Rays Measured by the PAMELA Experiment between 2006 July and 2009 December. Astrophysical Journal, 2020, 893, 145.	1.6	21
21	Direct Measurement of the Cosmic-Ray Carbon and Oxygen Spectra from $10 < \mathit{n} < 10^4$ GeV. Astrophysical Journal, 2020, 893, 145.	2.9	31
22	Galactic Cosmic-Ray Hydrogen Spectra in the 40–250 MeV Range Measured by the High-energy Particle Detector (HEPD) on board the CSES-01 Satellite between 2018 and 2020. Astrophysical Journal, 2020, 901, 8.	1.6	19
23	CALET on the International Space Station: the first three years of observations. Physica Scripta, 2020, 95, 074012.	1.2	1
24	Scientific Goals and In-orbit Performance of the High-energy Particle Detector on Board the CSES. Astrophysical Journal, Supplement Series, 2019, 243, 16.	3.0	33
25	Galactic Cosmic Ray Electrons and Positrons over a Decade of Observations in the PAMELA Experiment. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 974-976.	0.1	2
26	The CALorimetric Electron Telescope (CALET) on the International Space Station: Results from the First Two Years of Operation. EPJ Web of Conferences, 2019, 208, 13001.	0.1	0
27	Time dependence of the helium flux measured by PAMELA. EPJ Web of Conferences, 2019, 209, 01004.	0.1	0
28	Direct Measurement of the Cosmic-Ray Proton Spectrum from 50 GeV to 10 TeV with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2019, 122, 181102.	2.9	108
29	Multiple Coulomb scattering method to reconstruct low-energy gamma-ray direction in the GAMMA-400 space-based gamma-ray telescope. Advances in Space Research, 2019, 63, 3420-3427.	1.2	6
30	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.	0.3	6
31	Cosmic ray electrons and positrons over decade with the PAMELA experiment. Journal of Physics: Conference Series, 2019, 1390, 012061.	0.3	0
32	Space-Weather capabilities and preliminary results of the High Energy Particle Detector (HEPD) on-board the CSES-01 satellite. , 2019, , .		1
33	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.	2.0	37
34	On-orbit operations and offline data processing of CALET onboard the ISS. Astroparticle Physics, 2018, 100, 29-37.	1.9	26
35	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.	3.0	65
36	Evidence of Energy and Charge Sign Dependence of the Recovery Time for the 2006 December Forbush Event Measured by the PAMELA Experiment. Astrophysical Journal, 2018, 853, 76.	1.6	27

#	ARTICLE	IF	CITATIONS
37	Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. <i>Astrophysical Journal Letters</i> , 2018, 852, L28.	3.0	10
38	A high-performance electric field detector for space missions. <i>Planetary and Space Science</i> , 2018, 153, 107-119.	0.9	3
39	Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 5.	3.0	16
40	Extended Measurement of the Cosmic-Ray Electron and Positron Spectrum from 11 GeV to 4.8 TeV with the Calorimetric Electron Telescope on the International Space Station. <i>Physical Review Letters</i> , 2018, 120, 261102.	2.9	134
41	Lithium and Beryllium Isotopes with the PAMELA Experiment. <i>Astrophysical Journal</i> , 2018, 862, 141.	1.6	14
42	Solar Energetic Particle Events Observed by the PAMELA Mission. <i>Astrophysical Journal</i> , 2018, 862, 97.	1.6	63
43	Search for GeV Gamma-Ray Counterparts of Gravitational Wave Events by CALET. <i>Astrophysical Journal</i> , 2018, 863, 160.	1.6	10
44	Trapped Positrons and Electrons in the Inner Radiation Belt According to Data of the PAMELA Experiment. <i>Physics of Atomic Nuclei</i> , 2018, 81, 515-519.	0.1	0
45	The HEPD particle detector and the EFD electric field detector for the CSES satellite. <i>Radiation Physics and Chemistry</i> , 2017, 137, 187-192.	1.4	9
46	High-energy gamma-ray studying with GAMMA-400 after Fermi-LAT. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012011.	0.3	5
47	Modifications of a method for low energy gamma-ray incident angle reconstruction in the GAMMA-400 gamma-ray telescope. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012012.	0.3	0
48	Energy calibration of CALET onboard the International Space Station. <i>Astroparticle Physics</i> , 2017, 91, 1-10.	1.9	39
49	Solar modulation of cosmic deuteron fluxes in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 151-153.	0.1	0
50	Modulation of electrons and positrons in 2006–2015 in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 154-156.	0.1	2
51	Secondary positrons and electrons in near-Earth space in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 203-205.	0.1	3
52	New stage in high-energy gamma-ray studies with GAMMA-400 after Fermi-LAT. <i>EPJ Web of Conferences</i> , 2017, 145, 06001.	0.1	1
53	Comprehensive Analysis of the Geoeffective Solar Event of 21 June 2015: Effects on the Magnetosphere, Plasmasphere, and Ionosphere Systems. <i>Solar Physics</i> , 2017, 292, 1.	1.0	62
54	Energy Spectrum of Cosmic-Ray Electron and Positron from 10 GeV to 3 TeV Observed with the Calorimetric Electron Telescope on the International Space Station. <i>Physical Review Letters</i> , 2017, 119, 181101.	2.9	116

#	ARTICLE	IF	CITATIONS
55	Geomagnetically trapped, albedo and solar energetic particles: Trajectory analysis and flux reconstruction with PAMELA. <i>Advances in Space Research</i> , 2017, 60, 788-795.	1.2	13
56	The PAMELA experiment: a decade of Cosmic Ray Physics in space. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012033.	0.3	4
57	Sharp increasing of positron to electron fluxes ratio below 2 GV measured by the PAMELA. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012019.	0.3	0
58	Solar modulation of galactic cosmic rays during 2006-2015 based on PAMELA and ARINA data. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012042.	0.3	0
59	New stage in high-energy gamma-ray studies with GAMMA-400 after Fermi-LAT. <i>EPJ Web of Conferences</i> , 2017, 145, 06001.	0.1	2
60	SWERTO: a Regional Space Weather Service. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 348-351.	0.0	4
61	Comprehensive Analysis of the Geoeffective Solar Event of 21 June 2015: Effects on the Magnetosphere, Plasmasphere, and Ionosphere Systems. , 2017, , 225-280.		0
62	Perspectives of the GAMMA-400 space observatory for high-energy gamma rays and cosmic rays measurements. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032010.	0.3	2
63	Features of re-entrant albedo deuteron trajectories in near Earth orbit with PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032007.	0.3	0
64	Trapped positrons observed by PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032003.	0.3	1
65	The high energy cosmic ray particle spectra measurements with the PAMELA calorimeter. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 275-281.	0.2	1
66	Deuteron spectrum measurements under radiation belt with PAMELA instrument. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 2345-2347.	0.2	0
67	Time Dependence of the Electron and Positron Components of the Cosmic Radiation Measured by the PAMELA Experiment between July 2006 and December 2015. <i>Physical Review Letters</i> , 2016, 116, 241105.	2.9	54
68	The GAMMA-400 gamma-ray telescope for precision gamma-ray emission investigations. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032009.	0.3	4
69	PAMELA's measurements of geomagnetic cutoff variations during the 14 December 2006 storm. <i>Space Weather</i> , 2016, 14, 210-220.	1.3	21
70	The measurement of the dipole anisotropy of protons and helium cosmic rays with the PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032005.	0.3	2
71	H, He, Li and Be Isotopes in the PAMELA-Experiment. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032001.	0.3	0
72	The May 17, 2012 solar event: back-tracing analysis and flux reconstruction with PAMELA. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032006.	0.3	5

#	ARTICLE	IF	CITATIONS
73	MEASUREMENTS OF COSMIC-RAY HYDROGEN AND HELIUM ISOTOPES WITH THE PAMELA EXPERIMENT. <i>Astrophysical Journal</i> , 2016, 818, 68.	1.6	49
74	CALET UPPER LIMITS ON X-RAY AND GAMMA-RAY COUNTERPARTS OF GW151226. <i>Astrophysical Journal Letters</i> , 2016, 829, L20.	3.0	20
75	Solar Modulation of Galactic Cosmic Rays During 2006-2015 Based on PAMELA and ARINA Data. <i>Physics Procedia</i> , 2015, 74, 347-351.	1.2	0
76	Space γ -observatory GAMMA-400 Current Status and Perspectives. <i>Physics Procedia</i> , 2015, 74, 177-182.	1.2	8
77	Splash and Re-entrant Albedo Fluxes Measured in the PAMELA Experiment. <i>Physics Procedia</i> , 2015, 74, 314-319.	1.2	0
78	Search for Spatial and Temporary Variations of Galactic Cosmic Ray Positrons in PAMELA Experiment. <i>Physics Procedia</i> , 2015, 74, 302-307.	1.2	0
79	New Upper Limit on Strange Quark Matter Abundance in Cosmic Rays with the PAMELA Space Experiment. <i>Physical Review Letters</i> , 2015, 115, 111101.	2.9	14
80	TIME DEPENDENCE OF THE e^+ FLUX MEASURED BY PAMELA DURING THE 2006 JULY–2009 DECEMBER SOLAR MINIMUM. <i>Astrophysical Journal</i> , 2015, 810, 142.	1.6	60
81	Separation of electrons and protons in the GAMMA-400 gamma-ray telescope. <i>Advances in Space Research</i> , 2015, 56, 1538-1545.	1.2	10
82	Time variations of proton flux in Earth inner radiation belt during 23/24 solar cycles based on the PAMELA and the ARINA data. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012069.	0.3	0
83	Reentrant albedo proton fluxes measured by the PAMELA experiment. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3728-3738.	0.8	20
84	Measurement of electron-positron spectrum in high-energy cosmic rays in the PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012014.	0.3	3
85	PAMELA measurements of the boron and carbon spectra. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012017.	0.3	1
86	The CALorimetric Electron Telescope (CALET) for high-energy astroparticle physics on the International Space Station. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012023.	0.3	8
87	Study of deuteron spectra under radiation belt with PAMELA instrument. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012060.	0.3	0
88	Solar modulation of GCR electrons over the 23rd solar minimum with PAMELA. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012073.	0.3	2
89	The CALorimetric Electron Telescope (CALET) for high-energy astroparticle physics on the International Space Station. <i>EPJ Web of Conferences</i> , 2015, 95, 04056.	0.1	1
90	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. <i>Astrophysical Journal</i> , 2015, 811, 21.	1.6	9

#	ARTICLE	IF	CITATIONS
91	The PAMELA experiment and cosmic ray observations. Nuclear and Particle Physics Proceedings, 2015, 265-266, 242-244.	0.2	1
92	TRAPPED PROTON FLUXES AT LOW EARTH ORBITS MEASURED BY THE PAMELA EXPERIMENT. Astrophysical Journal Letters, 2015, 799, L4.	3.0	27
93	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.	0.4	0
94	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. JETP Letters, 2015, 101, 295-298.	0.4	4
95	Measuring the albedo deuteron flux in the PAMELA satellite experiment. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 294-297.	0.1	1
96	The GAMMA-400 experiment: Status and prospects. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 417-420.	0.1	30
97	Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. Advances in Space Research, 2015, 55, 2940-2945.	1.2	18
98	Measuring the spectra of high-energy cosmic-ray particles in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 289-293.	0.1	1
99	Searching for anisotropy of positrons and electrons in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 298-301.	0.1	1
100	PAMELA'S MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. Astrophysical Journal Letters, 2015, 801, L3.	3.0	27
101	Solar particle event detected by ALTEA on board the International Space Station. Journal of Space Weather and Space Climate, 2014, 4, A19.	1.1	18
102	The PAMELA Mission: Heralding a new era in precision cosmic ray physics. Physics Reports, 2014, 544, 323-370.	10.3	147
103	A method to detect positron anisotropies with Pamela data. Nuclear Physics, Section B, Proceedings Supplements, 2014, 256-257, 173-178.	0.5	2
104	Status and performance of the CALorimetric Electron Telescope (CALET) on the International Space Station. Nuclear Physics, Section B, Proceedings Supplements, 2014, 256-257, 225-232.	0.5	8
105	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2014, 791, 93.	1.6	127
106	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.	0.2	6
107	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.	0.7	2
108	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.	0.7	4

#	ARTICLE	IF	CITATIONS
109	The PAMELA experiment and antimatter in the universe. <i>Hyperfine Interactions</i> , 2014, 228, 101-109.	0.2	0
110	The relativistic solar particle event of May 17th, 2012 observed on board the International Space Station. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A16.	1.1	26
111	PAMELA mission: heralding a new era in cosmic ray physics. <i>EPJ Web of Conferences</i> , 2014, 71, 00115.	0.1	1
112	Solar proton events at the end of the 23rd and start of the 24th solar cycle recorded in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 493-496.	0.1	1
113	Antiprotons of galactic cosmic radiation in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 602-605.	0.1	1
114	Measurement of galactic cosmic-ray deuteron spectrum in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 606-608.	0.1	2
115	Cosmic-Ray Positron Energy Spectrum Measured by PAMELA. <i>Physical Review Letters</i> , 2013, 111, 081102.	2.9	243
116	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.	0.4	105
117	The GAMMA-400 Space Experiment: Gammas, Electrons and Nuclei Measurements. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2013, 239-240, 204-209.	0.5	1
118	Status of the GAMMA-400 project. <i>Advances in Space Research</i> , 2013, 51, 297-300.	1.2	73
119	The PAMELA space experiment. <i>Advances in Space Research</i> , 2013, 51, 209-218.	1.2	45
120	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. <i>Advances in Space Research</i> , 2013, 51, 219-226.	1.2	36
121	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.	0.2	1
122	Characteristics of the GAMMA-400 gamma-ray telescope for searching for dark matter signatures. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 1339-1342.	0.1	22
123	Searching for cosmic ray anisotropy using the calorimeter in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 1305-1308.	0.1	0
124	Spectra of primary cosmic-ray positrons and electrons in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 1309-1311.	0.1	2
125	Direct measurements of cosmic rays in space. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2013, 239-240, 115-122.	0.5	7
126	Dark matter search in space. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 720, 45-48.	0.7	2

#	ARTICLE	IF	CITATIONS
127	Anisotropy studies in the cosmic ray proton flux with the PAMELA experiment. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 123-128.	0.5	4
128	TIME DEPENDENCE OF THE PROTON FLUX MEASURED BY PAMELA DURING THE 2006 JULY-2009 DECEMBER SOLAR MINIMUM. Astrophysical Journal, 2013, 765, 91.	1.6	223
129	Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012056.	0.3	2
130	Cosmic Ray Study with the PAMELA Experiment. Journal of Physics: Conference Series, 2013, 409, 012003.	0.3	8
131	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.	0.3	0
132	MEASUREMENT OF THE ISOTOPIC COMPOSITION OF HYDROGEN AND HELIUM NUCLEI IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2013, 770, 2.	1.6	39
133	Design and performance of the GAMMA-400 gamma-ray telescope for dark matter searches. , 2013, , .		24
134	Galactic deuteron spectrum measured in PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012040.	0.3	4
135	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. Journal of Physics: Conference Series, 2013, 409, 012029.	0.3	6
136	Cosmic ray electron and positron spectra measured with PAMELA. Journal of Physics: Conference Series, 2013, 409, 012035.	0.3	1
137	The PAMELA experiment: light-nuclei selection with stand-alone detectors. Journal of Physics: Conference Series, 2013, 409, 012038.	0.3	0
138	Search for cosmic ray electron-positron anisotropies with the Pamela data. Journal of Physics: Conference Series, 2013, 409, 012055.	0.3	3
139	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. Journal of Physics: Conference Series, 2013, 409, 012188.	0.3	5
140	PRECISE COSMIC RAYS MEASUREMENTS WITH PAMELA. Acta Polytechnica, 2013, 53, 712-717.	0.3	0
141	Direct measurements of cosmic rays in space. EPJ Web of Conferences, 2013, 52, 08001.	0.1	1
142	THE PAMELA EXPERIMENT: FIVE YEARS OF COSMIC RAYS INVESTIGATION. Astroparticle, Particle, Space Physics, Radiation Interaction, Detectors and Medical Physics Applications, 2012, , 124-133.	0.1	0
143	The PAMELA space mission for antimatter and dark matter searches in space. Hyperfine Interactions, 2012, 213, 147-158.	0.2	0
144	Main results from the PAMELA space experiment after five years in flight. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 692, 29-33.	0.7	5

#	ARTICLE	IF	CITATIONS
145	Cosmic-Ray Electron Flux Measured by the PAMELA Experiment between 1 and 625 GeV. Physical Review Letters, 2011, 106, 201101.	2.9	281
146	PAMELA Measurements of Cosmic-Ray Proton and Helium Spectra. Science, 2011, 332, 69-72.	6.0	686
147	OBSERVATIONS OF THE 2006 DECEMBER 13 AND 14 SOLAR PARTICLE EVENTS IN THE 80 MeV $n ^{\hat{e}^{-1}}-3$ GeV $n ^{\hat{e}^{-1}}>$ RANGE FROM SPACE WITH THE PAMELA DETECTOR. Astrophysical Journal, 2011, 742, 102.	1.6	83
148	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. Astrophysical Journal Letters, 2011, 737, L29.	3.0	40
149	Upper limit on the antihelium flux in primary cosmic rays. JETP Letters, 2011, 93, 628-631.	0.4	17
150	Measuring fluxes of the protons and helium nuclei of high-energy cosmic rays. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 327-330.	0.1	3
151	The search for antihelium in cosmic rays using data from the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 331-333.	0.1	1
152	Primary electron and positron fluxes measured by the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 316-318.	0.1	1
153	Solar modulation of the spectra of protons and helium nuclei in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 779-781.	0.1	8
154	Trapped antiprotons in the Earth inner radiation belt in PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 854-856.	0.1	0
155	High-energy cosmic ray proton spectrum. Bulletin of the Lebedev Physics Institute, 2011, 38, 68-75.	0.1	1
156	PAMELA and electrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 28-35.	0.7	1
157	Results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 243-248.	0.5	2
158	Understanding cosmic rays and searching for exotic sources with PAMELA. Astrophysics and Space Sciences Transactions, 2011, 7, 85-91.	1.0	2
159	The PAMELA space mission for antimatter and dark matter searches in space. , 2011, , 367-378.		0
160	Detection of antimatter in our Galaxy. Journal of Physics: Conference Series, 2010, 203, 012021.	0.3	0
161	Measurement of the high-energy electron and positron spectrum in the PAMELA experiment. Bulletin of the Lebedev Physics Institute, 2010, 37, 184-190.	0.1	3
162	A statistical procedure for the identification of positrons in the PAMELA experiment. Astroparticle Physics, 2010, 34, 1-11.	1.9	168

#	ARTICLE	IF	CITATIONS
163	The instrument PAMELA for antimatter and dark matter search in space. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 672-676.	0.7	5
164	The PAMELA Space Mission for Antimatter and Dark Matter Searches in Cosmic Rays. , 2010, , .		1
165	PAMELA Results on the Cosmic-Ray Antiproton Flux from 60ÂMeV to 180ÂGeV in Kinetic Energy. Physical Review Letters, 2010, 105, 121101.	2.9	444
166	COSMIC RAY STUDIES WITH PAMELA EXPERIMENT. , 2010, , .		1
167	New Measurement of the Antiproton-to-Proton Flux Ratio up to 100 GeV in the Cosmic Radiation. Physical Review Letters, 2009, 102, 051101.	2.9	434
168	Precision studies of cosmic rays with the PAMELA satellite experiment. , 2009, , .		0
169	Dark Matter Research and the PAMELA Space Mission. , 2009, , .		0
170	PAMELA and indirect dark matter searches. New Journal of Physics, 2009, 11, 105023.	1.2	31
171	The PAMELA space mission. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 296-298.	0.5	7
172	Latest results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 123-128.	0.5	1
173	An anomalous positron abundance in cosmic rays with energies 1.5â€“100â€“GeV. Nature, 2009, 458, 607-609.	13.7	1,794
174	Capability of the PAMELA Time-Of-Flight to identify light nuclei: Results from a beam test calibration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 598, 696-701.	0.7	9
175	Cosmic ray measurements with Pamela experiment. Nuclear Physics, Section B, Proceedings Supplements, 2009, 190, 293-299.	0.5	10
176	Secondary electron and positron fluxes in the near-Earth space observed in the ARINA and PAMELA experiments. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 364-366.	0.1	1
177	Positrons and electrons in primary cosmic rays as measured in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 568-570.	0.1	4
178	Measurements of quasiâ€“trapped electron and positron fluxes with PAMELA. Journal of Geophysical Research, 2009, 114, .	3.3	17
179	Performance of the PAMELA Si-W imaging calorimeter in space. Journal of Physics: Conference Series, 2009, 160, 012039.	0.3	0
180	INTERNATIONAL RUSSIAN-ITALIAN MISSION "RIM-PAMELA". , 2009, , .		0

#	ARTICLE	IF	CITATIONS
181	Magnetospheric and solar physics observations with the PAMELA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 243-246.	0.7	1
182	Inner radiation belt source of helium and heavy hydrogen isotopes. Advances in Space Research, 2008, 41, 86-91.	1.2	1
183	Launch of the space experiment PAMELA. Advances in Space Research, 2008, 42, 455-466.	1.2	36
184	In-flight performances of the PAMELA satellite experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 259-266.	0.7	41
185	The PAMELA space mission. , 2008, , .		0
186	PAMELA: A payload for antimatter matter exploration and light-nuclei astrophysics - status and first results. , 2007, , .		0
187	The measurements of light high-energy ions in NINA-2 experiment. Annales Geophysicae, 2007, 25, 2029-2036.	0.6	3
188	PAMELA " A payload for antimatter matter exploration and light-nuclei astrophysics. Astroparticle Physics, 2007, 27, 296-315.	1.9	362
189	The Pamela experiment ready for flight. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 471-473.	0.7	32
190	The PAMELA storage and control unit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 349-350.	0.7	8
191	Space qualification tests of the PAMELA instrument. Advances in Space Research, 2006, 37, 1841-1847.	1.2	3
192	Cosmic-ray observations of the heliosphere with the PAMELA experiment. Advances in Space Research, 2006, 37, 1848-1852.	1.2	8
193	ABOUT SEPARATION OF HADRON AND ELECTROMAGNETIC CASCADES IN THE PAMELA CALORIMETER. International Journal of Modern Physics A, 2005, 20, 6745-6748.	0.5	13
194	The Space Experiment PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2004, 134, 39-46.	0.5	19
195	Qualification tests of the space telescope PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2004, 134, 69-71.	0.5	0
196	The ALTEA/ALTEINO projects: studying functional effects of microgravity and cosmic radiation. Advances in Space Research, 2004, 33, 1352-1357.	1.2	39
197	PAMELA: a satellite experiment for antiparticles measurement in cosmic rays. IEEE Transactions on Nuclear Science, 2004, 51, 854-859.	1.2	7
198	High-Energy Deuteron Measurement with the CAPRICE98 Experiment. Astrophysical Journal, 2004, 615, 259-274.	1.6	21

#	ARTICLE	IF	CITATIONS
199	The small satellite NINA-MITA to study galactic and solar cosmic rays in low-altitude polar orbit. <i>Advances in Space Research</i> , 2003, 31, 351-356.	1.2	4
200	Study of the radiation environment on MIR space station with SILEYE-2 experiment. <i>Advances in Space Research</i> , 2003, 31, 135-140.	1.2	11
201	ALTEA: Anomalous long term effects in astronauts. A probe on the influence of cosmic radiation and microgravity on the central nervous system during long flights. <i>Advances in Space Research</i> , 2003, 31, 141-146.	1.2	22
202	The cosmic-ray proton and helium spectra measured with the CAPRICE98 balloon experiment. <i>Astroparticle Physics</i> , 2003, 19, 583-604.	1.9	112
203	Dual origins of light flashes seen in space. <i>Nature</i> , 2003, 422, 680-680.	13.7	84
204	Isotope composition of secondary hydrogen and helium above the atmosphere measured by the instruments NINA and NINA-2. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	19
205	Energy spectra of atmospheric muons measured with the CAPRICE98 balloon experiment. <i>Physical Review D</i> , 2003, 67, .	1.6	27
206	Geomagnetically trapped light isotopes observed with the detector NINA. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 8-1-SMP 8-8.	3.3	10
207	The Sileye-3/Alteino Experiment for the Study of Light Flashes, Radiation Environment and Astronaut Brain Activity on Board the International Space Station. <i>Journal of Radiation Research</i> , 2002, 43, S47-S52.	0.8	18
208	High-energy deuteron measurement with the CAPRICE98 experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 113, 88-94.	0.5	1
209	The PAMELA experiment on satellite and its capability in cosmic rays measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 478, 114-118.	0.7	31
210	The Sileye-3/Alteino experiment on board the International Space Station. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 113, 71-78.	0.5	26
211	Eye light flashes on the mir space station. <i>Acta Astronautica</i> , 2002, 50, 511-525.	1.7	37
212	Light Isotope Abundances in Solar Energetic Particles Measured by the Space Instrument NINA. <i>Astrophysical Journal</i> , 2002, 577, 513-523.	1.6	6
213	<i>Letter to the Editor</i> Energy spectrum of secondary protons above the atmosphere measured by the instruments NINA and NINA-2. <i>Annales Geophysicae</i> , 2002, 20, 1693-1697.	0.6	13
214	The PAMELA experiment in space. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 461, 262-268.	0.7	30
215	CAPRICE98: a balloon-borne magnetic spectrometer equipped with a gas RICH and a silicon calorimeter to study cosmic rays. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 461, 269-271.	0.7	3
216	NINA: a silicon detector for cosmic-ray astrophysics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 461, 275-277.	0.7	0

#	ARTICLE	IF	CITATIONS
217	Performance of the CAPRICE98 balloon-borne gas-RICH detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 463, 161-174.	0.7	8
218	Measurements of cosmic-ray electrons and positrons by the Wizard/CAPRICE collaboration. Advances in Space Research, 2001, 27, 669-674.	1.2	43
219	Measurements of primary cosmic-ray hydrogen and helium by the WiZard collaboration. Advances in Space Research, 2001, 27, 755-760.	1.2	3
220	Title is missing!. Instruments and Experimental Techniques, 2001, 44, 623-625.	0.1	0
221	In-flight performance of SilEye-2 experiment and cosmic ray abundances inside the Mir space station. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 2051-2064.	1.4	32
222	In-orbit Performance of the Space Telescope NINA and Galactic Cosmic-Ray Flux Measurements. Astrophysical Journal, Supplement Series, 2001, 132, 365-375.	3.0	26
223	The Cosmic-Ray Antiproton Flux between 3 and 49 GeV. Astrophysical Journal, 2001, 561, 787-799.	1.6	165
224	The WiZard collaboration cosmic ray muon measurements in the atmosphere. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 355-360.	0.5	1
225	Study of Cosmic Rays and Light Flashes on board Space Station MIR: The SilEye experiment. Advances in Space Research, 2000, 25, 2075-2079.	1.2	24
226	Launch in orbit of the telescope NINA for cosmic ray observations: preliminary results. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 28-33.	0.5	6
227	First Mass-resolved Measurement of High-Energy Cosmic-Ray Antiprotons. Astrophysical Journal, 2000, 534, L177-L180.	1.6	30
228	Measurement of the flux of atmospheric muons with the CAPRICE94 apparatus. Physical Review D, 2000, 62, .	1.6	42
229	The Cosmic-Ray Electron and Positron Spectra Measured at 1 AU during Solar Minimum Activity. Astrophysical Journal, 2000, 532, 653-669.	1.6	213
230	New Measurement of the Flux of Atmospheric Muons. Physical Review Letters, 1999, 82, 4757-4760.	2.9	30
231	Measurements of Ground-Level Muons at Two Geomagnetic Locations. Physical Review Letters, 1999, 83, 4241-4244.	2.9	112
232	CAPRICE98: A balloon borne magnetic spectrometer to study cosmic ray antimatter and composition at different atmospheric depths. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 32-37.	0.5	18
233	The use of RPC in the ARGO-YBJ project. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 38-43.	0.5	15
234	The space telescope NINA: results of a beam test calibration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 424, 414-424.	0.7	18

#	ARTICLE	IF	CITATIONS
235	The Cosmic Ray Proton and Helium Spectra between 0.4 and 200 GV. <i>Astrophysical Journal</i> , 1999, 518, 457-472.	1.6	179
236	The ARGO-YBJ detector and high energy GRBs. <i>Astronomy and Astrophysics</i> , 1999, 138, 597-598.	2.1	4
237	The Cosmic Ray Antiproton Flux between 0.62 and 3.19 GeV Measured Near Solar Minimum Activity. <i>Astrophysical Journal</i> , 1997, 487, 415-423.	1.6	126
238	Study of the combined particle identification capability of a transition radiation detector and a silicon imaging calorimeter during the TS93 balloon flight. <i>Astroparticle Physics</i> , 1997, 7, 219-230.	1.9	13
239	Experiment NINA: investigation of low energy nuclear fluxes in the near-Earth space. <i>Astroparticle Physics</i> , 1997, 8, 109-121.	1.9	28
240	Experimental beam test of the SilEye2 apparatus. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 399, 477-488.	0.7	6
241	Measurement of the Positron to Electron Ratio in the Cosmic Rays above 5 GeV. <i>Astrophysical Journal</i> , 1996, 457, .	1.6	95
242	Identification of cosmic ray electrons and positrons by neural networks. <i>Astroparticle Physics</i> , 1996, 5, 111-117.	1.9	7
243	The WiZard/CAPRICE silicon-tungsten calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 370, 403-412.	0.7	26
244	Performance of the CAPRICE RICH detector during the 1994 balloon flight. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 371, 169-173.	0.7	19
245	Gamma-ray energy determination using neural network algorithms for an imaging silicon calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 381, 512-516.	0.7	2
246	Cosmic ray antiproton/electron discrimination capability of the CAPRICE silicon-tungsten calorimeter using neural networks. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 381, 413-417.	0.7	1
247	<title>NINA: a lightweight silicon strip detector for cosmic ray research in space</title>. , 1995, 2478, 239.		1
248	The GILDA mission: a new technique for a gamma-ray telescope in the energy range 20 MeV-100 GeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 354, 547-552.	0.7	12
249	WiZard Si-W imaging calorimeter: a preliminary study on its particle identification capability during a balloon flight in 1993. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 360, 17-21.	0.7	9
250	Neural networks with stochastic preprocessing for particle recognition in cosmic ray experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 360, 371-374.	0.7	6
251	A wide aperture telescope for high energy gamma rays detection. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1995, 43, 253-256.	0.5	7
252	Search for a positron anisotropy with PAMELA experiment. <i>ASTRA Proceedings</i> , 0, 2, 17-20.	0.0	1

#	ARTICLE	IF	CITATIONS
253	The large-scale anisotropy with the PAMELA calorimeter. ASTRA Proceedings, 0, 2, 35-37.	0.0	4