

Valter Bonvicini

List of Publications by Year in descending order

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281
papers

10,032
citations

100601

38
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40945

97
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282
all docs

282
docs citations

282
times ranked

8956
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). <i>Instruments</i> , 2022, 6, 19.	0.8	6
3	Cosmic antihelium-3 nuclei sensitivity of the GAPS experiment. <i>Astroparticle Physics</i> , 2021, 130, 102580.	1.9	10
4	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
5	East-West Proton Flux Anisotropy Observed with the PAMELA Mission. <i>Astrophysical Journal</i> , 2021, 919, 114.	1.6	3
6	The CaloCube calorimeter for high-energy cosmic-ray measurements in space: performance of a large-scale prototype. <i>Journal of Instrumentation</i> , 2021, 16, P10024.	0.5	5
7	The FAMU experiment: muonic hydrogen high precision spectroscopy studies. <i>European Physical Journal A</i> , 2020, 56, 1.	1.0	23
8	First measurement of the temperature dependence of muon transfer rate from muonic hydrogen atoms to oxygen. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126667.	0.9	4
9	Cosmic Rays Investigation by the PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012017.	0.3	0
10	Time dependence of the proton and helium flux measured by PAMELA. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012124.	0.3	0
11	Time Dependence of the Flux of Helium Nuclei in Cosmic Rays Measured by the PAMELA Experiment between 2006 July and 2009 December. <i>Astrophysical Journal</i> , 2020, 893, 145.	1.6	21
12	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.	0.3	6
13	Galactic Cosmic Ray Electrons and Positrons over a Decade of Observations in the PAMELA Experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019, 83, 974-976.	0.1	2
14	Time dependence of the helium flux measured by PAMELA. <i>EPJ Web of Conferences</i> , 2019, 209, 01004.	0.1	0
15	A New Approach to Calorimetry in Space-Based Experiments for High-Energy Cosmic Rays. <i>Universe</i> , 2019, 5, 72.	0.9	2
16	Cosmic ray electrons and positrons over decade with the PAMELA experiment. <i>Journal of Physics: Conference Series</i> , 2019, 1390, 012061.	0.3	0
17	The CALOCUBE project for a space based cosmic ray experiment: design, construction, and first performance of a high granularity calorimeter prototype. <i>Journal of Instrumentation</i> , 2019, 14, P11004-P11004.	0.5	12
18	Proton Fluxes Measured by the PAMELA Experiment from the Minimum to the Maximum Solar Activity for Solar Cycle 24. <i>Astrophysical Journal Letters</i> , 2018, 854, L2.	3.0	65

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19	Evidence of Energy and Charge Sign Dependence of the Recovery Time for the 2006 December Forbush Event Measured by the PAMELA Experiment. <i>Astrophysical Journal</i> , 2018, 853, 76.	1.6	27
20	Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. <i>Astrophysical Journal Letters</i> , 2018, 852, L28.	3.0	10
21	FAMU: study of the energy dependent transfer rate $\hat{\nu} \hat{\nu}^{\prime} \hat{\nu}^{\prime\prime}$. <i>Journal of Physics: Conference Series</i> , 2018, 1138, 012017.	0.3	2
22	The FAMU experiment at RIKEN-RAL to study the muon transfer rate from hydrogen to other gases. <i>Journal of Instrumentation</i> , 2018, 13, P12033-P12033.	0.5	9
23	First FAMU observation of muon transfer from $\hat{\nu}^{\prime}$ atoms to higher-Z elements. <i>Journal of Instrumentation</i> , 2018, 13, P02019-P02019.	0.5	5
24	Science with e-ASTROGAM. <i>Journal of High Energy Astrophysics</i> , 2018, 19, 1-106.	2.4	177
25	Lithium and Beryllium Isotopes with the PAMELA Experiment. <i>Astrophysical Journal</i> , 2018, 862, 141.	1.6	14
26	Solar Energetic Particle Events Observed by the PAMELA Mission. <i>Astrophysical Journal</i> , 2018, 862, 97.	1.6	63
27	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
28	The e-ASTROGAM gamma-ray space observatory for the multimessenger astronomy of the 2030s. , 2018, , .		6
29	The FLARES project: An innovative detector technology for rare events searches. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 845, 334-337.	0.7	0
30	High-energy gamma-ray studying with GAMMA-400 after Fermi-LAT. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012011.	0.3	5
31	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
32	The e-ASTROGAM mission. <i>Experimental Astronomy</i> , 2017, 44, 25-82.	1.6	167
33	CaloCube: a novel calorimeter for high-energy cosmic rays in space. <i>Journal of Instrumentation</i> , 2017, 12, C06004-C06004.	0.5	0
34	Spectra of solar neutrons with energies of $\sim 10^6$ –1000 MeV in the PAMELA experiment in the flare events of 2006–2015. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 132-135.	0.1	4
35	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
36	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

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37	Secondary positrons and electrons in near-Earth space in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 203-205.	0.1	3
38	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.	1.9	13
39	New stage in high-energy gamma-ray studies with GAMMA-400 after Fermi-LAT. EPJ Web of Conferences, 2017, 145, 06001.	0.1	1
40	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.	0.7	16
41	Geomagnetically trapped, albedo and solar energetic particles: Trajectory analysis and flux reconstruction with PAMELA. Advances in Space Research, 2017, 60, 788-795.	1.2	13
42	The PAMELA experiment: a decade of Cosmic Ray Physics in space. Journal of Physics: Conference Series, 2017, 798, 012033.	0.3	4
43	CaloCube: an innovative homogeneous calorimeter for the next-generation space experiments. Journal of Physics: Conference Series, 2017, 928, 012013.	0.3	10
44	Sharp increasing of positron to electron fluxes ratio below 2 GV measured by the PAMELA. Journal of Physics: Conference Series, 2017, 798, 012019.	0.3	0
45	Solar modulation of galactic cosmic rays during 2006-2015 based on PAMELA and ARINA data. Journal of Physics: Conference Series, 2017, 798, 012042.	0.3	0
46	CaloCube: a novel calorimeter for high-energy cosmic rays in space. EPJ Web of Conferences, 2017, 136, 02011.	0.1	0
47	New stage in high-energy gamma-ray studies with GAMMA-400 after Fermi-LAT. EPJ Web of Conferences, 2017, 145, 06001.	0.1	2
48	High-energy gamma-ray studying with GAMMA-400. , 2017, , .		3
49	The GAMMA-400 space mission for measuring high-energy gamma rays and cosmic rays. , 2017, , .		1
50	Steps towards the hyperfine splitting measurement of the muonic hydrogen ground state: pulsed muon beam and detection system characterization. Journal of Instrumentation, 2016, 11, P05007-P05007.	0.5	31
51	Perspectives of the GAMMA-400 space observatory for high-energy gamma rays and cosmic rays measurements. Journal of Physics: Conference Series, 2016, 675, 032010.	0.3	2
52	Features of re-entrant albedo deuteron trajectories in near Earth orbit with PAMELA experiment. Journal of Physics: Conference Series, 2016, 675, 032007.	0.3	0
53	Trapped positrons observed by PAMELA experiment. Journal of Physics: Conference Series, 2016, 675, 032003.	0.3	1
54	The high energy cosmic ray particle spectra measurements with the PAMELA calorimeter. Nuclear and Particle Physics Proceedings, 2016, 273-275, 275-281.	0.2	1

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55	Deuteron spectrum measurements under radiation belt with PAMELA instrument. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2345-2347.	0.2	0
56	Time Dependence of the Electron and Positron Components of the Cosmic Radiation Measured by the PAMELA Experiment between July 2006 and December 2015. Physical Review Letters, 2016, 116, 241105.	2.9	54
57	The GAMMA-400 gamma-ray telescope for precision gamma-ray emission investigations. Journal of Physics: Conference Series, 2016, 675, 032009.	0.3	4
58	PAMELA's measurements of geomagnetic cutoff variations during the 14 December 2006 storm. Space Weather, 2016, 14, 210-220.	1.3	21
59	The measurement of the dipole anisotropy of protons and helium cosmic rays with the PAMELA experiment. Journal of Physics: Conference Series, 2016, 675, 032005.	0.3	2
60	H, He, Li and Be Isotopes in the PAMELA-Experiment. Journal of Physics: Conference Series, 2016, 675, 032001.	0.3	0
61	A flexible scintillation light apparatus for rare events searches. Journal of Physics: Conference Series, 2016, 718, 062021.	0.3	0
62	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.	0.7	13
63	The May 17, 2012 solar event: back-tracing analysis and flux reconstruction with PAMELA. Journal of Physics: Conference Series, 2016, 675, 032006.	0.3	5
64	FLARES: A flexible scintillation light apparatus for rare event searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 661-664.	0.7	5
65	MEASUREMENTS OF COSMIC-RAY HYDROGEN AND HELIUM ISOTOPES WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2016, 818, 68.	1.6	49
66	Solar Modulation of Galactic Cosmic Rays During 2006-2015 Based on PAMELA and ARINA Data. Physics Procedia, 2015, 74, 347-351.	1.2	0
67	Space Î³-observatory GAMMA-400 Current Status and Perspectives. Physics Procedia, 2015, 74, 177-182.	1.2	8
68	Splash and Re-entrant Albedo Fluxes Measured in the PAMELA Experiment. Physics Procedia, 2015, 74, 314-319.	1.2	0
69	Search for Spatial and Temporary Variations of Galactic Cosmic Ray Positrons in PAMELA Experiment. Physics Procedia, 2015, 74, 302-307.	1.2	0
70	New Upper Limit on Strange Quark Matter Abundance in Cosmic Rays with the PAMELA Space Experiment. Physical Review Letters, 2015, 115, 111101.	2.9	14
71	TIME DEPENDENCE OF THE $\langle i \rangle e \langle i \rangle \langle \sup \hat{a} \rangle$ FLUX MEASURED BY <i>PAMELA</i> DURING THE 2006 JULYâ€”2009 DECEMBER SOLAR MINIMUM. Astrophysical Journal, 2015, 810, 142.	1.6	60
72	Study of the readout configuration of the GAMMA-400 silicon tracker sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 798, 80-87.	0.7	2

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73	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
74	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
75	Reentrant albedo proton fluxes measured by the PAMELA experiment. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3728-3738.	0.8	20
76	CALOCUBE: an approach to high-granularity and homogenous calorimetry for space based detectors. <i>Journal of Physics: Conference Series</i> , 2015, 587, 012029.	0.3	10
77	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
78	PAMELA measurements of the boron and carbon spectra. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012017.	0.3	1
79	Study of deuteron spectra under radiation belt with PAMELA instrument. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012060.	0.3	0
80	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
81	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. <i>Astrophysical Journal</i> , 2015, 811, 21.	1.6	9
82	The PAMELA experiment and cosmic ray observations. <i>Nuclear and Particle Physics Proceedings</i> , 2015, 265-266, 242-244.	0.2	1
83	TRAPPED PROTON FLUXES AT LOW EARTH ORBITS MEASURED BY THE PAMELA EXPERIMENT. <i>Astrophysical Journal Letters</i> , 2015, 799, L4.	3.0	27
84	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. <i>JETP Letters</i> , 2015, 101, 228-231.	0.4	0
85	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. <i>JETP Letters</i> , 2015, 101, 295-298.	0.4	4
86	Measuring the albedo deuteron flux in the PAMELA satellite experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 294-297.	0.1	1
87	The GAMMA-400 experiment: Status and prospects. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 417-420.	0.1	30
88	Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. <i>Advances in Space Research</i> , 2015, 55, 2940-2945.	1.2	18
89	Measuring the spectra of high-energy cosmic-ray particles in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 289-293.	0.1	1
90	Searching for anisotropy of positrons and electrons in the PAMELA experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 298-301.	0.1	1

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91	PAMELA's TMS MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. <i>Astrophysical Journal Letters</i> , 2015, 801, L3.	3.0	27
92	The PAMELA Mission: Heralding a new era in precision cosmic ray physics. <i>Physics Reports</i> , 2014, 544, 323-370.	10.3	147
93	A method to detect positron anisotropies with Pamela data. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2014, 256-257, 173-178.	0.5	2
94	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. <i>Astrophysical Journal</i> , 2014, 791, 93.	1.6	127
95	New measurements of the energy spectra of high-energy cosmic-ray protons and helium nuclei with the calorimeter in the PAMELA experiment. <i>Journal of Experimental and Theoretical Physics</i> , 2014, 119, 448-452.	0.2	6
96	A flexible scintillation light apparatus for rare event searches. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	12
97	Analysis on H spectral shape during the early 2012 SEPs with the PAMELA experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 742, 158-161.	0.7	2
98	Measurement of hydrogen and helium isotopes flux in galactic cosmic rays with the PAMELA experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 742, 273-275.	0.7	4
99	Silicon photomultiplier characterization with a scintillating bar detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 750, 38-42.	0.7	1
100	LYSO crystal calorimeter readout with silicon photomultipliers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 763, 248-254.	0.7	7
101	The PAMELA experiment and antimatter in the universe. <i>Hyperfine Interactions</i> , 2014, 228, 101-109.	0.2	0
102	Characterization of a DAQ system for the readout of a SiPM based shashlik calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 735, 422-430.	0.7	9
103	PAMELA mission: heralding a new era in cosmic ray physics. <i>EPJ Web of Conferences</i> , 2014, 71, 00115.	0.1	1
104	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
105	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
106	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
107	Cosmic-Ray Positron Energy Spectrum Measured by PAMELA. <i>Physical Review Letters</i> , 2013, 111, 081102.	2.9	243
108	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

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109	The GAMMA-400 Space Experiment: Gammas, Electrons and Nuclei Measurements. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 204-209.	0.5	1
110	Status of the GAMMA-400 project. Advances in Space Research, 2013, 51, 297-300.	1.2	73
111	The PAMELA space experiment. Advances in Space Research, 2013, 51, 209-218.	1.2	45
112	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. Advances in Space Research, 2013, 51, 219-226.	1.2	36
113	North-south asymmetry for high-energy cosmic-ray electrons measured with the PAMELA experiment. Journal of Experimental and Theoretical Physics, 2013, 117, 268-273.	0.2	1
114	Characteristics of the GAMMA-400 gamma-ray telescope for searching for dark matter signatures. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1339-1342.	0.1	22
115	Searching for cosmic ray anisotropy using the calorimeter in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1305-1308.	0.1	0
116	Spectra of primary cosmic-ray positrons and electrons in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1309-1311.	0.1	2
117	A SiPM based readout system for lead tungstate crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 223-228.	0.7	3
118	SiPM based readout system for lead tungstate crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 223-228.	0.7	1
119	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
120	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
121	Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012056.	0.3	2
122	Cosmic Ray Study with the PAMELA Experiment. Journal of Physics: Conference Series, 2013, 409, 012003.	0.3	8
123	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
124	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
125	Design and performance of the GAMMA-400 gamma-ray telescope for dark matter searches. , 2013, .		24
126	Galactic deuteron spectrum measured in PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012040.	0.3	4

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127	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. Journal of Physics: Conference Series, 2013, 409, 012029.	0.3	6
128	Cosmic ray electron and positron spectra measured with PAMELA. Journal of Physics: Conference Series, 2013, 409, 012035.	0.3	1
129	The PAMELA experiment: light-nuclei selection with stand-alone detectors. Journal of Physics: Conference Series, 2013, 409, 012038.	0.3	0
130	Search for cosmic ray electron-positron anisotropies with the Pamela data. Journal of Physics: Conference Series, 2013, 409, 012055.	0.3	3
131	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. Journal of Physics: Conference Series, 2013, 409, 012188.	0.3	5
132	PRECISE COSMIC RAYS MEASUREMENTS WITH PAMELA. Acta Polytechnica, 2013, 53, 712-717.	0.3	0
133	Scintillating Glasses for Total Absorption Dual Readout Calorimetry. Journal of Physics: Conference Series, 2012, 404, 012057.	0.3	0
134	The PAMELA space mission for antimatter and dark matter searches in space. Hyperfine Interactions, 2012, 213, 147-158.	0.2	0
135	The Large Observatory for X-ray Timing (LOFT). Experimental Astronomy, 2012, 34, 415-444.	1.6	168
136	Silicon photomultipliers for scintillating trackers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 261-264.	0.7	0
137	Cosmic-Ray Electron Flux Measured by the PAMELA Experiment between 1 and 625 GeV. Physical Review Letters, 2011, 106, 201101.	2.9	281
138	Silicon Photomultipliers as a Readout System for a Scintillator-Lead Shashlik Calorimeter. IEEE Transactions on Nuclear Science, 2011, 58, 1297-1307.	1.2	10
139	PAMELA Measurements of Cosmic-Ray Proton and Helium Spectra. Science, 2011, 332, 69-72.	6.0	686
140	OBSERVATIONS OF THE 2006 DECEMBER 13 AND 14 SOLAR PARTICLE EVENTS IN THE 80 MeV $n ^{\leq 1}-3$ GeV $n ^{\leq 1}$ RANGE FROM SPACE WITH THE PAMELA DETECTOR. Astrophysical Journal, 2011, 742, 102.	1.6	83
141	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. Astrophysical Journal Letters, 2011, 737, L29.	3.0	40
142	Upper limit on the antihelium flux in primary cosmic rays. JETP Letters, 2011, 93, 628-631.	0.4	17
143	Scientific tasks and present status of the GAMMA-400 project. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 875-877.	0.1	2
144	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

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145	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
146	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
147	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
148	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
149	High-energy cosmic ray proton spectrum. Bulletin of the Lebedev Physics Institute, 2011, 38, 68-75.	0.1	1
150	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
151	Room-temperature spectroscopic performance of a very-large area silicon drift detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, 15-21.	0.7	35
152	Imaging performance of a large-area Silicon Drift Detector for X-ray astronomy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, 22-30.	0.7	37
153	Design and performance tests of the calorimetric tract of a Compton Camera for small-animals imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 430-433.	0.7	0
154	Results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 243-248.	0.5	2
155	A shashlik calorimeter readout with silicon photomultipliers with no amplification of the output signal. Journal of Instrumentation, 2011, 6, P10004-P10004.	0.5	4
156	X-Rays Compton Detectors For Biomedical Application. , 2011, , .		0
157	A SiPM based readout system for shashlik calorimeters: Status and perspectives. , 2011, , .		0
158	The possibilities of simultaneous detection of gamma rays, cosmic-ray electrons and positrons on the GAMMA-400 space observatory. Astrophysics and Space Sciences Transactions, 2011, 7, 75-78.	1.0	6
159	The PAMELA space mission for antimatter and dark matter searches in space. , 2011, , 367-378.		0
160	Concept for an innovative wide-field camera for x-ray astronomy. Proceedings of SPIE, 2010, , .	0.8	1
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