Valter Bonvicini

List of Publications by Year
in descending order

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281	10,032	87888	36028
papers	citations	38 h-index	97 g-index

282	282	282	8699
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An anomalous positron abundance in cosmic rays with energies 1.5â€“100â€‰GeV. Nature, 2009, 458, 607-609.	27.8	1,794
2	The ALICE experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08002-S08002.	1.2	811
3	PAMELA Measurements of Cosmic-Ray Proton and Helium Spectra. Science, 2011, 332, 69-72.	12.6	686
4	PAMELA Results on the Cosmic-Ray Antiproton Flux from 60ÂMeV to 180ÂGeV in Kinetic Energy. Physical Review Letters, 2010, 105, 121101.	7.8	444
5	New Measurement of the Antiproton-to-Proton Flux Ratio up to 100 GeV in the Cosmic Radiation. Physical Review Letters, 2009, 102, 051101.	7.8	434
6	PAMELA â€“ A payload for antimatter matter exploration and light-nuclei astrophysics. Astroparticle Physics, 2007, 27, 296-315.	4.3	362
7	Cosmic-Ray Electron Flux Measured by the PAMELA Experiment between 1 and 625ÂGeV. Physical Review Letters, 2011, 106, 201101.	7.8	281
8	Mammography with Synchrotron Radiation: Phase-Detection Techniques. Radiology, 2000, 215, 286-293.	7.3	265
9	Cosmic-Ray Positron Energy Spectrum Measured by PAMELA. Physical Review Letters, 2013, 111, 081102.	7.8	243
10	Low-dose phase contrast x-ray medical imaging. Physics in Medicine and Biology, 1998, 43, 2845-2852.	3.0	224
11	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
12	Science with e-ASTROGAM. Journal of High Energy Astrophysics, 2018, 19, 1-106.	6.7	177
13	A statistical procedure for the identification of positrons in the PAMELA experiment. Astroparticle Physics, 2010, 34, 1-11.	4.3	168
14	The Large Observatory for X-ray Timing (LOFT). Experimental Astronomy, 2012, 34, 415-444.	3.7	168
15	The e-ASTROGAM mission. Experimental Astronomy, 2017, 44, 25-82.	3.7	167
16	The Cosmicâ€Ray Antiproton Flux between 3 and 49 GeV. Astrophysical Journal, 2001, 561, 787-799.	4.5	165
17	The PAMELA Mission: Heralding a new era in precision cosmic ray physics. Physics Reports, 2014, 544, 323-370.	25.6	147
18	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2014, 791, 93.	4.5	127

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19	The cosmic-ray proton and helium spectra measured with the CAPRICE98 balloon experiment. Astroparticle Physics, 2003, 19, 583-604.	4.3	112
20	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
21	Dual origins of light flashes seen in space. Nature, 2003, 422, 680-680.	27.8	84
22	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
23	A high granularity imaging calorimeter for cosmic-ray physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 487, 407-422.	1.6	81
24	Status of the GAMMA-400 project. Advances in Space Research, 2013, 51, 297-300.	2.6	73
25	The DELPHI Microvertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 328, 447-471.	1.6	71
26	The DELPHI silicon strip microvertex detector with double sided readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 368, 314-332.	1.6	71
27	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
28	Solar Energetic Particle Events Observed by the PAMELA Mission. Astrophysical Journal, 2018, 862, 97.	4.5	63
29	TIME DEPENDENCE OF THEe^{â^’}FLUX MEASURED BYPAMELADURING THE 2006 JULYâ€“2009 DECEMBER SOLAR MINIMUM. Astrophysical Journal, 2015, 810, 142.	4.5	60
30	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.	7.8	54
31	Mammography of a phantom and breast tissue with synchrotron radiation and a linear-array silicon detector.. Radiology, 1998, 208, 709-715.	7.3	50
32	MEASUREMENTS OF COSMIC-RAY HYDROGEN AND HELIUM ISOTOPES WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2016, 818, 68.	4.5	49
33	The PAMELA space experiment. Advances in Space Research, 2013, 51, 209-218.	2.6	45
34	Measurements of cosmic-ray electrons and positrons by the Wizard/CAPRICE collaboration. Advances in Space Research, 2001, 27, 669-674.	2.6	43
35	Large area silicon drift detector for the ALICE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 54-60.	1.6	43
36	Characteristics of the ALICE Silicon Drift Detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 133-138.	1.6	41

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37	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.	1.6	41
38	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. Astrophysical Journal Letters, 2011, 737, L29.	8.3	40
39	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
40	Design and evaluation of AC-coupled, FOXFET-biased, â€œedge-onâ€•silicon strip detectors for X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 385, 311-320.	1.6	37
41	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.	1.6	37
42	Launch of the space experiment PAMELA. Advances in Space Research, 2008, 42, 455-466.	2.6	36
43	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. Advances in Space Research, 2013, 51, 219-226.	2.6	36
44	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.	1.6	35
45	CASTOR a VLSI CMOS mixed analogâ€”digital circuit for low noise multichannel counting applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 377, 440-445.	1.6	32
46	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.	1.6	32
47	The PAMELA experiment on satellite and its capability in cosmic rays measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 114-118.	1.6	31
48	PAMELA and indirect dark matter searches. New Journal of Physics, 2009, 11, 105023.	2.9	31
49	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.	1.2	31
50	First Mass-resolved Measurement of High-Energy Cosmic-Ray Antiprotons. Astrophysical Journal, 2000, 534, L177-L180.	4.5	30
51	The PAMELA experiment in space. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 262-268.	1.6	30
52	The GAMMA-400 experiment: Status and prospects. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 417-420.	0.6	30
53	Energy spectra of atmospheric muons measured with the CAPRICE98 balloon experiment. Physical Review D, 2003, 67, .	4.7	27
54	The electronâ€“hadron separation performance of the PAMELA electromagnetic calorimeter. Astroparticle Physics, 2006, 26, 111-118.	4.3	27

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55	TRAPPED PROTON FLUXES AT LOW EARTH ORBITS MEASURED BY THE PAMELA EXPERIMENT. Astrophysical Journal Letters, 2015, 799, L4.	8.3	27
56	PAMELAâ€™S MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. Astrophysical Journal Letters, 2015, 801, L3.	8.3	27
57	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.	4.5	27
58	Inâ€Orbit Performance of the Space Telescope NINA and Galactic Cosmicâ€Ray Flux Measurements. Astrophysical Journal, Supplement Series, 2001, 132, 365-375.	7.7	26
59	Development of silicon micropattern pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 348, 399-408.	1.6	25
60	Design and performance of the GAMMA-400 gamma-ray telescope for dark matter searches. , 2013, , .		24
61	Measurement of the spatial resolution of double-sided double-metal AC-coupled silicon microstrips detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 326, 189-197.	1.6	23
62	Castor 1.0, a VLSI analog-digital circuit for pixel imaging applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 395, 435-442.	1.6	23
63	The FAMU experiment: muonic hydrogen high precision spectroscopy studies. European Physical Journal A, 2020, 56, 1.	2.5	23
64	An "edge-on" silicon strip detector for X-ray imaging. IEEE Transactions on Nuclear Science, 1997, 44, 874-880.	2.0	22
65	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.	0.6	22
66	New developments in the field of silicon detectors for digital radiology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 377, 508-513.	1.6	21
67	At the frontiers of digital mammography: SYRMEP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 529-533.	1.6	21
68	Highâ€Energy Deuteron Measurement with the CAPRICE98 Experiment. Astrophysical Journal, 2004, 615, 259-274.	4.5	21
69	PAMELA's measurements of geomagnetic cutoff variations during the 14 December 2006 storm. Space Weather, 2016, 14, 210-220.	3.7	21
70	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.	4.5	21
71	A Double-Gain, Large Dynamic Range Front-end ASIC With A/D Conversion for Silicon Detectors Read-Out. IEEE Transactions on Nuclear Science, 2010, 57, 2963-2970.	2.0	20
72	Reentrant albedo proton fluxes measured by the PAMELA experiment. Journal of Geophysical Research: Space Physics, 2015, 120, 3728-3738.	2.4	20

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73	Isotope composition of secondary hydrogen and helium above the atmosphere measured by the instruments NINA and NINA-2. Journal of Geophysical Research, 2003, 108, .	3.3	19
74	The Space Experiment PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2004, 134, 39-46.	0.4	19
75	A linear array silicon pixel detector: images of a mammographic test object and evaluation of delivered doses. Physics in Medicine and Biology, 1997, 42, 1565-1573.	3.0	18
76	Laboratory and test beam results from a large-area silicon drift detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 439, 476-482.	1.6	18
77	Detector response and calibration of the cosmic-ray detector of the Sileye-3/Alteino experiment. Advances in Space Research, 2006, 37, 1691-1696.	2.6	18
78	Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. Advances in Space Research, 2015, 55, 2940-2945.	2.6	18
79	Measurements of quasiâ€trapped electron and positron fluxes with PAMELA. Journal of Geophysical Research, 2009, 114, .	3.3	17
80	Upper limit on the antihelium flux in primary cosmic rays. JETP Letters, 2011, 93, 628-631.	1.4	17
81	CaloCube: A new-concept calorimeter for the detection of high-energy cosmic rays in space. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 421-424.	1.6	16
82	Large scale pixel detectors for DELPHI at LEP200 and ATLAS at LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 342, 233-239.	1.6	14
83	Junction and interdiode capacitance of silicon pixel arrays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 365, 88-91.	1.6	14
84	Silicon drift detector; studies about geometry of electrodes and production technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 377, 393-396.	1.6	14
85	A multilayer edge-on silicon microstrip single photon counting detector for momography mammography. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 592-597.	0.4	14
86	Correction of dopant concentration fluctuation effects in silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 222-225.	1.6	14
87	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
88	Lithium and Beryllium Isotopes with the PAMELAÂExperiment. Astrophysical Journal, 2018, 862, 141.	4.5	14
89	Calocubeâ€"A highly segmented calorimeter for a space based experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 609-613.	1.6	13
90	CaloCube: An isotropic spaceborne calorimeter for high-energy cosmic rays. Optimization of the detector performance for protons and nuclei. Astroparticle Physics, 2017, 96, 11-17.	4.3	13

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91	Geomagnetically trapped, albedo and solar energetic particles: Trajectory analysis and flux reconstruction with PAMELA. Advances in Space Research, 2017, 60, 788-795.	2.6	13
92	<i>Letter to the Editor</i> Energy spectrum of secondary protons above the atmosphere measured by the instruments NINA and NINA-2. Annales Geophysicae, 2002, 20, 1693-1697.	1.6	13
93	Simulating capacitive cross-talk effects in DC-coupled hybrid silicon pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 372, 93-110.	1.6	12
94	The ALICE Silicon Drift Detector system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 501, 119-125.	1.6	12
95	A flexible scintillation light apparatus for rare event searches. European Physical Journal C, 2014, 74, 1.	3.9	12
96	The CALOCUBE project for a space based cosmic ray experiment: design, construction, and first performance of a high granularity calorimeter prototype. Journal of Instrumentation, 2019, 14, P11004-P11004.	1.2	12
97	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
98	Digital mammography at the Trieste synchrotron light source. IEEE Transactions on Nuclear Science, 1996, 43, 2061-2067.	2.0	11
99	Results from double-sided silicon microstrip detector with field plate separation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 326, 198-203.	1.6	10
100	Geomagnetically trapped light isotopes observed with the detector NINA. Journal of Geophysical Research, 2002, 107, SMP 8-1-SMP 8-8.	3.3	10
101	Cosmic ray measurements with Pamela experiment. Nuclear Physics, Section B, Proceedings Supplements, 2009, 190, 293-299.	0.4	10
102	Silicon Photomultipliers as a Readout System for a Scintillator-Lead Shashlik Calorimeter. IEEE Transactions on Nuclear Science, 2011, 58, 1297-1307.	2.0	10
103	Separation of electrons and protons in the GAMMA-400 gamma-ray telescope. Advances in Space Research, 2015, 56, 1538-1545.	2.6	10
104	CALOCUBE: an approach to high-granularity and homogenous calorimetry for space based detectors. Journal of Physics: Conference Series, 2015, 587, 012029.	0.4	10
105	CaloCube: an innovative homogeneous calorimeter for the next-generation space experiments. Journal of Physics: Conference Series, 2017, 928, 012013.	0.4	10
106	Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. Astrophysical Journal Letters, 2018, 852, L28.	8.3	10
107	Cosmic antihelium-3 nuclei sensitivity of the GAPS experiment. Astroparticle Physics, 2021, 130, 102580.	4.3	10
108	Silicon detectors for digital radiography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 367, 48-53.	1.6	9

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109	Silicon drift detector with a continuous implanted resistor as divider-drift electrode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 210-215.	1.6	9
110	A new method of ionization-neutron calorimeter for direct investigation of high-energy electrons and primary nuclei of cosmic-rays up to the â€œkneeâ€•region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 459, 135-156.	1.6	9
111	LOFT: a large observatory for x-ray timing. Proceedings of SPIE, 2010, , .	0.8	9
112	Characterization of a DAQ system for the readout of a SiPM based shashlik calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 735, 422-430.	1.6	9
113	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. Astrophysical Journal, 2015, 811, 21.	4.5	9
114	The FAMU experiment at RIKEN-RAL to study the muon transfer rate from hydrogen to other gases. Journal of Instrumentation, 2018, 13, P12033-P12033.	1.2	9
115	OLA, A low-noise bipolar amplifier for the readout of silicon drift detectors. Nuclear Physics, Section B, Proceedings Supplements, 1995, 44, 637-641.	0.4	8
116	A pixel-like matrix for digital mammography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 380, 402-405.	1.6	8
117	The digital mammography program at the SR light source in Trieste. IEEE Transactions on Nuclear Science, 1997, 44, 2395-2399.	2.0	8
118	Cosmic-ray observations of the heliosphere with the PAMELA experiment. Advances in Space Research, 2006, 37, 1848-1852.	2.6	8
119	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.	0.6	8
120	Cosmic Ray Study with the PAMELA Experiment. Journal of Physics: Conference Series, 2013, 409, 012003.	0.4	8
121	Space Î³-observatory GAMMA-400 Current Status and Perspectives. Physics Procedia, 2015, 74, 177-182.	1.2	8
122	Electric performance of the ALICE Silicon Drift Detector irradiated with electrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 133-139.	1.6	7
123	PAMELA: a satellite experiment for antiparticles measurement in cosmic rays. IEEE Transactions on Nuclear Science, 2004, 51, 854-859.	2.0	7
124	Silicon-tungsten calorimeter for the forward direction in the PHENIX experiment at RHIC. IEEE Transactions on Nuclear Science, 2005, 52, 874-878.	2.0	7
125	The PAMELA space mission. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 296-298.	0.4	7
126	LYSO crystal calorimeter readout with silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 248-254.	1.6	7

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127	Solar-cycle Variations of South Atlantic Anomaly Proton Intensities Measured with the PAMELA Mission. Astrophysical Journal Letters, 2021, 917, L21.	8.3	7
128	Test beam results of silicon drift detector prototypes for the ALICE experiment. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 252-258.	0.4	6
129	Launch in orbit of the telescope NINA for cosmic ray observations: preliminary results. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 28-33.	0.4	6
130	Beam test of a very large area linear silicon drift detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 459, 494-501.	1.6	6
131	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
132	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. Journal of Physics: Conference Series, 2013, 409, 012029.	0.4	6
133	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
134	CaloCube: a new concept calorimeter for the detection of high energy cosmic rays in space. Journal of Physics: Conference Series, 2019, 1162, 012042.	0.4	6
135	The e-ASTROGAM gamma-ray space observatory for the multimessenger astronomy of the 2030s. , 2018, , .		6
136	Two Years of Flight of the Pamela Experiment: Results and Perspectives. Journal of the Physical Society of Japan, 2009, 78, 35-40.	1.6	6
137	Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). Instruments, 2022, 6, 19.	1.8	6
138	SYRMEP: an innovative detection system for soft X-rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 188-191.	1.6	5
139	SYRMEP front-end and read-out electronics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 351-353.	1.6	5
140	Beam test results of a drift velocity monitoring system for silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 99-103.	1.6	5
141	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. Journal of Physics: Conference Series, 2013, 409, 012188.	0.4	5
142	The May 17, 2012 solar event: back-tracing analysis and flux reconstruction with PAMELA. Journal of Physics: Conference Series, 2016, 675, 032006.	0.4	5
143	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.	1.6	5
144	High-energy gamma-ray studying with GAMMA-400 after Fermi-LAT. Journal of Physics: Conference Series, 2017, 798, 012011.	0.4	5

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145	First FAMU observation of muon transfer from Î¼p atoms to higher-Z elements. Journal of Instrumentation, 2018, 13, P02019-P02019.	1.2	5
146	The CaloCube calorimeter for high-energy cosmic-ray measurements in space: performance of a large-scale prototype. Journal of Instrumentation, 2021, 16, P10024.	1.2	5
147	A digital readout system for the SYRMEP silicon strip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 392-395.	1.6	4
148	Improvements in the field of radiological imaging at the SYRMEP beamline. , 1999, 3770, 2.		4
149	Drift velocity monitoring of SDDs using MOS charge injectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 450, 338-342.	1.6	4
150	Study of the uniformity of high resistivity neutron doped silicon wafers for silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 473, 319-325.	1.6	4
151	The small satellite NINA-MITA to study galactic and solar cosmic rays in low-altitude polar orbit. Advances in Space Research, 2003, 31, 351-356.	2.6	4
152	Simulation study of the siliconâ€“tungsten calorimeter for ACCESS. Astroparticle Physics, 2003, 19, 463-476.	4.3	4
153	New concepts in silicon calorimetry for space experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 186-187.	1.6	4
154	A second level trigger for the PAMELA satellite experiment. Astroparticle Physics, 2006, 25, 33-40.	4.3	4
155	CASIS1.0: A prototype VLSI front-end ASIC with ultra-large dynamic range and integrated ADC for silicon calorimetry in space experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 340-344.	1.6	4
156	Silicon photomultipliers characterization for the EMR prototype of the MICE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 129-135.	1.6	4
157	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.	0.6	4
158	A shashlik calorimeter readout with silicon photomultipliers with no amplification of the output signal. Journal of Instrumentation, 2011, 6, P10004-P10004.	1.2	4
159	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
160	Galactic deuteron spectrum measured in PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012040.	0.4	4
161	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
162	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. JETP Letters, 2015, 101, 295-298.	1.4	4

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