

Valter Bonvicini

List of Publications by Year in descending order

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281
papers

10,032
citations

87886

38
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36025

97
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282
all docs

282
docs citations

282
times ranked

8699
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | An anomalous positron abundance in cosmic rays with energies $1.5 \times 100\%$ GeV. <i>Nature</i> , 2009, 458, 607-609. | 27.8 | 1,794 |
| 2 | The ALICE experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08002-S08002. | 1.2 | 811 |
| 3 | PAMELA Measurements of Cosmic-Ray Proton and Helium Spectra. <i>Science</i> , 2011, 332, 69-72. | 12.6 | 686 |
| 4 | PAMELA Results on the Cosmic-Ray Antiproton Flux from 60 MeV to 180 GeV in Kinetic Energy. <i>Physical Review Letters</i> , 2010, 105, 121101. | 7.8 | 444 |
| 5 | New Measurement of the Antiproton-to-Proton Flux Ratio up to 100 GeV in the Cosmic Radiation. <i>Physical Review Letters</i> , 2009, 102, 051101. | 7.8 | 434 |
| 6 | PAMELA – A payload for antimatter matter exploration and light-nuclei astrophysics. <i>Astroparticle Physics</i> , 2007, 27, 296-315. | 4.3 | 362 |
| 7 | Cosmic-Ray Electron Flux Measured by the PAMELA Experiment between 1 and 625 GeV. <i>Physical Review Letters</i> , 2011, 106, 201101. | 7.8 | 281 |
| 8 | Mammography with Synchrotron Radiation: Phase-Detection Techniques. <i>Radiology</i> , 2000, 215, 286-293. | 7.3 | 265 |
| 9 | Cosmic-Ray Positron Energy Spectrum Measured by PAMELA. <i>Physical Review Letters</i> , 2013, 111, 081102. | 7.8 | 243 |
| 10 | Low-dose phase contrast x-ray medical imaging. <i>Physics in Medicine and Biology</i> , 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. <i>Astrophysical Journal</i> , 2013, 765, 91. | 4.5 | 223 |
| 12 | Science with e-ASTROGAM. <i>Journal of High Energy Astrophysics</i> , 2018, 19, 1-106. | 6.7 | 177 |
| 13 | A statistical procedure for the identification of positrons in the PAMELA experiment. <i>Astroparticle Physics</i> , 2010, 34, 1-11. | 4.3 | 168 |
| 14 | The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012, 34, 415-444. | 3.7 | 168 |
| 15 | The e-ASTROGAM mission. <i>Experimental Astronomy</i> , 2017, 44, 25-82. | 3.7 | 167 |
| 16 | The Cosmic-Ray Antiproton Flux between 3 and 49 GeV. <i>Astrophysical Journal</i> , 2001, 561, 787-799. | 4.5 | 165 |
| 17 | The PAMELA Mission: Heralding a new era in precision cosmic ray physics. <i>Physics Reports</i> , 2014, 544, 323-370. | 25.6 | 147 |
| 18 | MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. <i>Astrophysical Journal</i> , 2014, 791, 93. | 4.5 | 127 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | The cosmic-ray proton and helium spectra measured with the CAPRICE98 balloon experiment. <i>Astroparticle Physics</i> , 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. <i>JETP Letters</i> , 2013, 96, 621-627. | 1.4 | 105 |
| 21 | Dual origins of light flashes seen in space. <i>Nature</i> , 2003, 422, 680-680. | 27.8 | 84 |
| 22 | OBSERVATIONS OF THE 2006 DECEMBER 13 AND 14 SOLAR PARTICLE EVENTS IN THE 80 MeV $n ^{\hat{e}}-3$ GeV $n ^{\hat{e}}-1 </sup>$ RANGE FROM SPACE WITH THE PAMELA DETECTOR. <i>Astrophysical Journal</i> , 2011, 742, 102. | 4.5 | 83 |
| 23 | A high granularity imaging calorimeter for cosmic-ray physics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 487, 407-422. | 1.6 | 81 |
| 24 | Status of the GAMMA-400 project. <i>Advances in Space Research</i> , 2013, 51, 297-300. | 2.6 | 73 |
| 25 | The DELPHI Microvertex detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 328, 447-471. | 1.6 | 71 |
| 26 | The DELPHI silicon strip microvertex detector with double sided readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 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. <i>Astrophysical Journal Letters</i> , 2018, 854, L2. | 8.3 | 65 |
| 28 | Solar Energetic Particle Events Observed by the PAMELA Mission. <i>Astrophysical Journal</i> , 2018, 862, 97. | 4.5 | 63 |
| 29 | TIME DEPENDENCE OF THE $e ^{\hat{e}}$ FLUX MEASURED BY PAMELA DURING THE 2006 JULY \hat{e} 2009 DECEMBER SOLAR MINIMUM. <i>Astrophysical Journal</i> , 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. <i>Physical Review Letters</i> , 2016, 116, 241105. | 7.8 | 54 |
| 31 | Mammography of a phantom and breast tissue with synchrotron radiation and a linear-array silicon detector.. <i>Radiology</i> , 1998, 208, 709-715. | 7.3 | 50 |
| 32 | MEASUREMENTS OF COSMIC-RAY HYDROGEN AND HELIUM ISOTOPES WITH THE PAMELA EXPERIMENT. <i>Astrophysical Journal</i> , 2016, 818, 68. | 4.5 | 49 |
| 33 | The PAMELA space experiment. <i>Advances in Space Research</i> , 2013, 51, 209-218. | 2.6 | 45 |
| 34 | Measurements of cosmic-ray electrons and positrons by the Wizard/CAPRICE collaboration. <i>Advances in Space Research</i> , 2001, 27, 669-674. | 2.6 | 43 |
| 35 | Large area silicon drift detector for the ALICE experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 485, 54-60. | 1.6 | 43 |
| 36 | Characteristics of the ALICE Silicon Drift Detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 461, 133-138. | 1.6 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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, "edge-on" 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 analog-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 electron-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. <i>Astrophysical Journal Letters</i> , 2015, 799, L4. | 8.3 | 27 |
| 56 | PAMELA'S MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. <i>Astrophysical Journal Letters</i> , 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. <i>Astrophysical Journal</i> , 2018, 853, 76. | 4.5 | 27 |
| 58 | In-Orbit Performance of the Space Telescope NINA and Galactic Cosmic-Ray Flux Measurements. <i>Astrophysical Journal, Supplement Series</i> , 2001, 132, 365-375. | 7.7 | 26 |
| 59 | Development of silicon micropattern pixel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 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. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 326, 189-197. | 1.6 | 23 |
| 62 | Castor 1.0, a VLSI analog-digital circuit for pixel imaging applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 395, 435-442. | 1.6 | 23 |
| 63 | The FAMU experiment: muonic hydrogen high precision spectroscopy studies. <i>European Physical Journal A</i> , 2020, 56, 1. | 2.5 | 23 |
| 64 | An "edge-on" silicon strip detector for X-ray imaging. <i>IEEE Transactions on Nuclear Science</i> , 1997, 44, 874-880. | 2.0 | 22 |
| 65 | 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. | 0.6 | 22 |
| 66 | New developments in the field of silicon detectors for digital radiology. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 377, 508-513. | 1.6 | 21 |
| 67 | At the frontiers of digital mammography: SYRMEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 409, 529-533. | 1.6 | 21 |
| 68 | High-Energy Deuteron Measurement with the CAPRICE98 Experiment. <i>Astrophysical Journal</i> , 2004, 615, 259-274. | 4.5 | 21 |
| 69 | PAMELA's measurements of geomagnetic cutoff variations during the 14 December 2006 storm. <i>Space Weather</i> , 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. <i>Astrophysical Journal</i> , 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. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 2963-2970. | 2.0 | 20 |
| 72 | Reentrant albedo proton fluxes measured by the PAMELA experiment. <i>Journal of Geophysical Research: Space Physics</i> , 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. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 19 |
| 74 | The Space Experiment PAMELA. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 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. <i>Physics in Medicine and Biology</i> , 1997, 42, 1565-1573. | 3.0 | 18 |
| 76 | Laboratory and test beam results from a large-area silicon drift detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 439, 476-482. | 1.6 | 18 |
| 77 | Detector response and calibration of the cosmic-ray detector of the Sileye-3/Alteino experiment. <i>Advances in Space Research</i> , 2006, 37, 1691-1696. | 2.6 | 18 |
| 78 | Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. <i>Advances in Space Research</i> , 2015, 55, 2940-2945. | 2.6 | 18 |
| 79 | Measurements of quasi-trapped electron and positron fluxes with PAMELA. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 17 |
| 80 | Upper limit on the antihelium flux in primary cosmic rays. <i>JETP Letters</i> , 2011, 93, 628-631. | 1.4 | 17 |
| 81 | CaloCube: A new-concept calorimeter for the detection of high-energy cosmic rays in space. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 845, 421-424. | 1.6 | 16 |
| 82 | Large scale pixel detectors for DELPHI at LEP200 and ATLAS at LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994, 342, 233-239. | 1.6 | 14 |
| 83 | Junction and interdiode capacitance of silicon pixel arrays. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 365, 88-91. | 1.6 | 14 |
| 84 | Silicon drift detector; studies about geometry of electrodes and production technology. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 377, 393-396. | 1.6 | 14 |
| 85 | A multilayer edge-on silicon microstrip single photon counting detector for mammography. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 78, 592-597. | 0.4 | 14 |
| 86 | Correction of dopant concentration fluctuation effects in silicon drift detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 461, 222-225. | 1.6 | 14 |
| 87 | New Upper Limit on Strange Quark Matter Abundance in Cosmic Rays with the PAMELA Space Experiment. <i>Physical Review Letters</i> , 2015, 115, 111101. | 7.8 | 14 |
| 88 | Lithium and Beryllium Isotopes with the PAMELA Experiment. <i>Astrophysical Journal</i> , 2018, 862, 141. | 4.5 | 14 |
| 89 | Calocube: A highly segmented calorimeter for a space based experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 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. <i>Astroparticle Physics</i> , 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. <i>Advances in Space Research</i> , 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. <i>Annales Geophysicae</i> , 2002, 20, 1693-1697. | 1.6 | 13 |
| 93 | Simulating capacitive cross-talk effects in DC-coupled hybrid silicon pixel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 372, 93-110. | 1.6 | 12 |
| 94 | The ALICE Silicon Drift Detector system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 501, 119-125. | 1.6 | 12 |
| 95 | A flexible scintillation light apparatus for rare event searches. <i>European Physical Journal C</i> , 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. <i>Journal of Instrumentation</i> , 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. <i>Astrophysical Journal Letters</i> , 2022, 925, L24. | 8.3 | 12 |
| 98 | Digital mammography at the Trieste synchrotron light source. <i>IEEE Transactions on Nuclear Science</i> , 1996, 43, 2061-2067. | 2.0 | 11 |
| 99 | Results from double-sided silicon microstrip detector with field plate separation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 326, 198-203. | 1.6 | 10 |
| 100 | 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 |
| 101 | Cosmic ray measurements with Pamela experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009, 190, 293-299. | 0.4 | 10 |
| 102 | Silicon Photomultipliers as a Readout System for a Scintillator-Lead Shashlik Calorimeter. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 1297-1307. | 2.0 | 10 |
| 103 | Separation of electrons and protons in the GAMMA-400 gamma-ray telescope. <i>Advances in Space Research</i> , 2015, 56, 1538-1545. | 2.6 | 10 |
| 104 | CALOCUBE: an approach to high-granularity and homogenous calorimetry for space based detectors. <i>Journal of Physics: Conference Series</i> , 2015, 587, 012029. | 0.4 | 10 |
| 105 | CaloCube: an innovative homogeneous calorimeter for the next-generation space experiments. <i>Journal of Physics: Conference Series</i> , 2017, 928, 012013. | 0.4 | 10 |
| 106 | Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. <i>Astrophysical Journal Letters</i> , 2018, 852, L28. | 8.3 | 10 |
| 107 | Cosmic antihelium-3 nuclei sensitivity of the GAPS experiment. <i>Astroparticle Physics</i> , 2021, 130, 102580. | 4.3 | 10 |
| 108 | Silicon detectors for digital radiography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 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 $\hat{a}c\hat{o}knee\hat{a}$ 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 \hat{I}^3 -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. <i>Astrophysical Journal Letters</i> , 2021, 917, L21. | 8.3 | 7 |
| 128 | Test beam results of silicon drift detector prototypes for the ALICE experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 78, 252-258. | 0.4 | 6 |
| 129 | Launch in orbit of the telescope NINA for cosmic ray observations: preliminary results. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 85, 28-33. | 0.4 | 6 |
| 130 | Beam test of a very large area linear silicon drift detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 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. <i>Astrophysics and Space Sciences Transactions</i> , 2011, 7, 75-78. | 1.0 | 6 |
| 132 | A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012029. | 0.4 | 6 |
| 133 | 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. | 0.9 | 6 |
| 134 | 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. | 0.4 | 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. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 35-40. | 1.6 | 6 |
| 137 | Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). <i>Instruments</i> , 2022, 6, 19. | 1.8 | 6 |
| 138 | SYRMEP: an innovative detection system for soft X-rays. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 392, 188-191. | 1.6 | 5 |
| 139 | SYRMEP front-end and read-out electronics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 409, 351-353. | 1.6 | 5 |
| 140 | Beam test results of a drift velocity monitoring system for silicon drift detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 477, 99-103. | 1.6 | 5 |
| 141 | Solar energetic particle events in 2006-2012 in the PAMELA experiment data. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012188. | 0.4 | 5 |
| 142 | The May 17, 2012 solar event: back-tracing analysis and flux reconstruction with PAMELA. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032006. | 0.4 | 5 |
| 143 | FLARES: A flexible scintillation light apparatus for rare event searches. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 824, 661-664. | 1.6 | 5 |
| 144 | High-energy gamma-ray studying with GAMMA-400 after Fermi-LAT. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012011. | 0.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | First FAMU observation of muon transfer from ^1H 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 silicon-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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | The GAMMA-400 gamma-ray telescope for precision gamma-ray emission investigations. Journal of Physics: Conference Series, 2016, 675, 032009. | 0.4 | 4 |
| 164 | Spectra of solar neutrons with energies of $\sim 10^6$ –1000 MeV in the PAMELA experiment in the flare events of 2006–2015. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 132-135. | 0.6 | 4 |
| 165 | The PAMELA experiment: a decade of Cosmic Ray Physics in space. Journal of Physics: Conference Series, 2017, 798, 012033. | 0.4 | 4 |
| 166 | First measurement of the temperature dependence of muon transfer rate from muonic hydrogen atoms to oxygen. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126667. | 2.1 | 4 |
| 167 | The large-scale anisotropy with the PAMELA calorimeter. ASTRA Proceedings, 0, 2, 35-37. | 0.0 | 4 |
| 168 | Measurements of the Anapix performances An analogue readout cell for hybrid pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 365, 480-490. | 1.6 | 3 |
| 169 | Simulating intrinsically AC-coupled hybrid pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 402, 53-66. | 1.6 | 3 |
| 170 | Phase Contrast Imaging in the Field of Mammography. , 1998, , 78-82. | | 3 |
| 171 | CAPRICE98: a balloon-borne magnetic spectrometer equipped with a gas RICH and a silicon calorimeter to study cosmic rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 269-271. | 1.6 | 3 |
| 172 | Measurements of primary cosmic-ray hydrogen and helium by the WiZard collaboration. Advances in Space Research, 2001, 27, 755-760. | 2.6 | 3 |
| 173 | CASIS: a Very High Dynamic Range Front-End Electronics with Integrated Cyclic ADC for Calorimetry Applications. , 2006, , . | | 3 |
| 174 | Measurement of the high-energy electron and positron spectrum in the PAMELA experiment. Bulletin of the Lebedev Physics Institute, 2010, 37, 184-190. | 0.6 | 3 |
| 175 | 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. | 0.6 | 3 |
| 176 | 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, 380-383. | 1.6 | 3 |
| 177 | Search for cosmic ray electron-positron anisotropies with the Pamela data. Journal of Physics: Conference Series, 2013, 409, 012055. | 0.4 | 3 |
| 178 | Measurement of electron-positron spectrum in high-energy cosmic rays in the PAMELA experiment. Journal of Physics: Conference Series, 2015, 632, 012014. | 0.4 | 3 |
| 179 | Secondary positrons and electrons in near-Earth space in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 203-205. | 0.6 | 3 |
| 180 | East–West Proton Flux Anisotropy Observed with the PAMELA Mission. Astrophysical Journal, 2021, 919, 114. | 4.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | High-energy gamma-ray studying with GAMMA-400. , 2017, , . | | 3 |
| 182 | Low power, low noise, integrated preamplifier-shaper for large area silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 420, 279-287. | 1.6 | 2 |
| 183 | The PAMELA electromagnetic calorimeter: performances. AIP Conference Proceedings, 2006, , . | 0.4 | 2 |
| 184 | Scientific tasks and present status of the GAMMA-400 project. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 875-877. | 0.6 | 2 |
| 185 | Results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 243-248. | 0.4 | 2 |
| 186 | Measurement of galactic cosmic-ray deuteron spectrum in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 606-608. | 0.6 | 2 |
| 187 | Spectra of primary cosmic-ray positrons and electrons in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1309-1311. | 0.6 | 2 |
| 188 | Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012056. | 0.4 | 2 |
| 189 | A method to detect positron anisotropies with Pamela data. Nuclear Physics, Section B, Proceedings Supplements, 2014, 256-257, 173-178. | 0.4 | 2 |
| 190 | Analysis on H spectral shape during the early 2012 SEPs with the PAMELA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 158-161. | 1.6 | 2 |
| 191 | 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. | 1.6 | 2 |
| 192 | Solar modulation of GCR electrons over the 23rd solar minimum with PAMELA. Journal of Physics: Conference Series, 2015, 632, 012073. | 0.4 | 2 |
| 193 | Perspectives of the GAMMA-400 space observatory for high-energy gamma rays and cosmic rays measurements. Journal of Physics: Conference Series, 2016, 675, 032010. | 0.4 | 2 |
| 194 | The measurement of the dipole anisotropy of protons and helium cosmic rays with the PAMELA experiment. Journal of Physics: Conference Series, 2016, 675, 032005. | 0.4 | 2 |
| 195 | Modulation of electrons and positrons in 2006â€“2015 in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 154-156. | 0.6 | 2 |
| 196 | New stage in high-energy gamma-ray studies with GAMMA-400 after Fermi-LAT. EPJ Web of Conferences, 2017, 145, 06001. | 0.3 | 2 |
| 197 | FAMU: study of the energy dependent transfer rate $\hat{\Gamma} \hat{\Gamma}_p \hat{\Gamma}' \hat{\Gamma}_O$. Journal of Physics: Conference Series, 2018, 1138, 012017. | 0.4 | 2 |
| 198 | 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. | 0.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | A New Approach to Calorimetry in Space-Based Experiments for High-Energy Cosmic Rays. Universe, 2019, 5, 72. | 2.5 | 2 |
| 200 | A capacitive displacement monitor system for the delphi microvertex detector. Nuclear Physics, Section B, Proceedings Supplements, 1991, 23, 448-456. | 0.4 | 1 |
| 201 | A novel self-biased linear silicon drift detector. IEEE Transactions on Nuclear Science, 1999, 46, 19-27. | 2.0 | 1 |
| 202 | <title>Preliminary results with a three-layer linear array silicon pixel detector</title>. , 1999, , . | | 1 |
| 203 | Spectroscopic measurements with a silicon drift detector having a continuous implanted drift cathode-voltage divider. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 439, 471-475. | 1.6 | 1 |
| 204 | High-energy deuteron measurement with the CAPRICE98 experiment. Nuclear Physics, Section B, Proceedings Supplements, 2002, 113, 88-94. | 0.4 | 1 |
| 205 | Recent results from beam tests of large area silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 321-324. | 1.6 | 1 |
| 206 | CASIS1.1: a very high dynamic range front- end electronics with integrated Cyclic ADC for calorimetry applications. , 2007, , . | | 1 |
| 207 | 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. | 1.6 | 1 |
| 208 | A Light and Effective Wide Field Monitor for Gamma Ray Bursts and Transient Sources. , 2009, , . | | 1 |
| 209 | Latest results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 123-128. | 0.4 | 1 |
| 210 | 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. | 0.6 | 1 |
| 211 | Concept for an innovative wide-field camera for x-ray astronomy. Proceedings of SPIE, 2010, , . | 0.8 | 1 |
| 212 | X-ray imaging and spectroscopy performance of a large area silicon drift chamber for wide-field x-ray astronomy applications. Proceedings of SPIE, 2010, , . | 0.8 | 1 |
| 213 | The PAMELA Space Mission for Antimatter and Dark Matter Searches in Cosmic Rays. , 2010, , . | | 1 |
| 214 | 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. | 0.6 | 1 |
| 215 | Primary electron and positron fluxes measured by the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 316-318. | 0.6 | 1 |
| 216 | High-energy cosmic ray proton spectrum. Bulletin of the Lebedev Physics Institute, 2011, 38, 68-75. | 0.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | PAMELA and electrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 28-35. | 1.6 | 1 |
| 218 | Solar proton events at the end of the 23rd and start of the 24th solar cycle recorded in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 493-496. | 0.6 | 1 |
| 219 | Antiprotons of galactic cosmic radiation in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 602-605. | 0.6 | 1 |
| 220 | The GAMMA-400 Space Experiment: Gammas, Electrons and Nuclei Measurements. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 204-209. | 0.4 | 1 |
| 221 | North-south asymmetry for high-energy cosmic-ray electrons measured with the PAMELA experiment. Journal of Experimental and Theoretical Physics, 2013, 117, 268-273. | 0.9 | 1 |
| 222 | SIPM based readout system for $\langle \text{mm} \rangle$. math altimg="si0001.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com. | 1.6 | 1 |
| 223 | Cosmic ray electron and positron spectra measured with PAMELA. Journal of Physics: Conference Series, 2013, 409, 012035. | 0.4 | 1 |
| 224 | Silicon photomultiplier characterization with a scintillating bar detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 750, 38-42. | 1.6 | 1 |
| 225 | PAMELA mission: heralding a new era in cosmic ray physics. EPJ Web of Conferences, 2014, 71, 00115. | 0.3 | 1 |
| 226 | PAMELA measurements of the boron and carbon spectra. Journal of Physics: Conference Series, 2015, 632, 012017. | 0.4 | 1 |
| 227 | The PAMELA experiment and cosmic ray observations. Nuclear and Particle Physics Proceedings, 2015, 265-266, 242-244. | 0.5 | 1 |
| 228 | Measuring the albedo deuteron flux in the PAMELA satellite experiment. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 294-297. | 0.6 | 1 |
| 229 | 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. | 0.6 | 1 |
| 230 | Searching for anisotropy of positrons and electrons in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 298-301. | 0.6 | 1 |
| 231 | Trapped positrons observed by PAMELA experiment. Journal of Physics: Conference Series, 2016, 675, 032003. | 0.4 | 1 |
| 232 | The high energy cosmic ray particle spectra measurements with the PAMELA calorimeter. Nuclear and Particle Physics Proceedings, 2016, 273-275, 275-281. | 0.5 | 1 |
| 233 | New stage in high-energy gamma-ray studies with GAMMA-400 after Fermi-LAT. EPJ Web of Conferences, 2017, 145, 06001. | 0.3 | 1 |
| 234 | Search for a positron anisotropy with PAMELA experiment. ASTRA Proceedings, 0, 2, 17-20. | 0.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | The GAMMA-400 space mission for measuring high-energy gamma rays and cosmic rays. , 2017, , . | | 1 |
| 236 | Screen printing and chip flipping techniques for large area hybrid pixel detectors bonding. Nuclear Physics, Section B, Proceedings Supplements, 1995, 44, 409-413. | 0.4 | 0 |
| 237 | <title>SD2000: a new MCP-based UV detector</title>. , 2000, , . | | 0 |
| 238 | Low noise integrated preamplifier for application in Intermediate Energy Physics Experiments. AIP Conference Proceedings, 2000, , . | 0.4 | 0 |
| 239 | <title>First results for SD2000 position-sensitive photon-counting MCP-based detector</title>. , 2001, , . | | 0 |
| 240 | CLIMB: cosmic light isotopes and muons with balloons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 114-117. | 1.6 | 0 |
| 241 | PAMELA: A payload for antimatter matter exploration and light-nuclei astrophysics - status and first results. , 2007, , . | | 0 |
| 242 | The Sirad experiment on board the International Space Station. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 233-234. | 1.6 | 0 |
| 243 | Precision studies of cosmic rays with the PAMELA satellite experiment. , 2009, , . | | 0 |
| 244 | Dark Matter Research and the PAMELA Space Mission. , 2009, , . | | 0 |
| 245 | Performance of the PAMELA Si-W imaging calorimeter in space. Journal of Physics: Conference Series, 2009, 160, 012039. | 0.4 | 0 |
| 246 | A concept for a lightweight, low-power and sensitive Silicon-based All Sky Monitor for transient sources and Gamma Ray Bursts. , 2010, , . | | 0 |
| 247 | Trapped antiprotons in the Earth inner radiation belt in PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 854-856. | 0.6 | 0 |
| 248 | 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. | 1.6 | 0 |
| 249 | X-Rays Compton Detectors For Biomedical Application. , 2011, , . | | 0 |
| 250 | A SiPM based readout system for shashlik calorimeters: Status and perspectives. , 2011, , . | | 0 |
| 251 | Scintillating Glasses for Total Absorption Dual Readout Calorimetry. Journal of Physics: Conference Series, 2012, 404, 012057. | 0.4 | 0 |
| 252 | The PAMELA space mission for antimatter and dark matter searches in space. Hyperfine Interactions, 2012, 213, 147-158. | 0.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Silicon photomultipliers for scintillating trackers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 261-264. | 1.6 | 0 |
| 254 | Searching for cosmic ray anisotropy using the calorimeter in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1305-1308. | 0.6 | 0 |
| 255 | Study of solar modulation of galactic cosmic rays with the PAMELA and ARINA spectrometers in 2006-2012. Journal of Physics: Conference Series, 2013, 409, 012194. | 0.4 | 0 |
| 256 | The PAMELA experiment: light-nuclei selection with stand-alone detectors. Journal of Physics: Conference Series, 2013, 409, 012038. | 0.4 | 0 |
| 257 | PRECISE COSMIC RAYS MEASUREMENTS WITH PAMELA. Acta Polytechnica, 2013, 53, 712-717. | 0.6 | 0 |
| 258 | The PAMELA experiment and antimatter in the universe. Hyperfine Interactions, 2014, 228, 101-109. | 0.5 | 0 |
| 259 | Solar Modulation of Galactic Cosmic Rays During 2006-2015 Based on PAMELA and ARINA Data. Physics Procedia, 2015, 74, 347-351. | 1.2 | 0 |
| 260 | Splash and Re-entrant Albedo Fluxes Measured in the PAMELA Experiment. Physics Procedia, 2015, 74, 314-319. | 1.2 | 0 |
| 261 | Search for Spatial and Temporary Variations of Galactic Cosmic Ray Positrons in PAMELA Experiment. Physics Procedia, 2015, 74, 302-307. | 1.2 | 0 |
| 262 | Time variations of proton flux in Earth inner radiation belt during 23/24 solar cycles based on the PAMELA and the ARINA data. Journal of Physics: Conference Series, 2015, 632, 012069. | 0.4 | 0 |
| 263 | Study of deuteron spectra under radiation belt with PAMELA instrument. Journal of Physics: Conference Series, 2015, 632, 012060. | 0.4 | 0 |
| 264 | Detection of a change in the North-South ratio of count rates of particles of high-energy cosmic rays during a change in the polarity of the magnetic field of the Sun. JETP Letters, 2015, 101, 228-231. | 1.4 | 0 |
| 265 | Features of re-entrant albedo deuteron trajectories in near Earth orbit with PAMELA experiment. Journal of Physics: Conference Series, 2016, 675, 032007. | 0.4 | 0 |
| 266 | Deuteron spectrum measurements under radiation belt with PAMELA instrument. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2345-2347. | 0.5 | 0 |
| 267 | H, He, Li and Be Isotopes in the PAMELA-Experiment. Journal of Physics: Conference Series, 2016, 675, 032001. | 0.4 | 0 |
| 268 | A flexible scintillation light apparatus for rare events searches. Journal of Physics: Conference Series, 2016, 718, 062021. | 0.4 | 0 |
| 269 | The FLARES project: An innovative detector technology for rare events searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 334-337. | 1.6 | 0 |
| 270 | Modifications of a method for low energy gamma-ray incident angle reconstruction in the GAMMA-400 gamma-ray telescope. Journal of Physics: Conference Series, 2017, 798, 012012. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | CaloCube: a novel calorimeter for high-energy cosmic rays in space. Journal of Instrumentation, 2017, 12, C06004-C06004. | 1.2 | 0 |
| 272 | Solar modulation of cosmic deuteron fluxes in the PAMELA experiment. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 151-153. | 0.6 | 0 |
| 273 | Sharp increasing of positron to electron fluxes ratio below 2 GV measured by the PAMELA. Journal of Physics: Conference Series, 2017, 798, 012019. | 0.4 | 0 |
| 274 | Solar modulation of galactic cosmic rays during 2006-2015 based on PAMELA and ARINA data. Journal of Physics: Conference Series, 2017, 798, 012042. | 0.4 | 0 |
| 275 | CaloCube: a novel calorimeter for high-energy cosmic rays in space. EPJ Web of Conferences, 2017, 136, 02011. | 0.3 | 0 |
| 276 | Trapped Positrons and Electrons in the Inner Radiation Belt According to Data of the PAMELA Experiment. Physics of Atomic Nuclei, 2018, 81, 515-519. | 0.4 | 0 |
| 277 | Time dependence of the helium flux measured by PAMELA. EPJ Web of Conferences, 2019, 209, 01004. | 0.3 | 0 |
| 278 | Cosmic ray electrons and positrons over decade with the PAMELA experiment. Journal of Physics: Conference Series, 2019, 1390, 012061. | 0.4 | 0 |
| 279 | Cosmic Rays Investigation by the PAMELA experiment. Journal of Physics: Conference Series, 2020, 1342, 012017. | 0.4 | 0 |
| 280 | Time dependence of the proton and helium flux measured by PAMELA. Journal of Physics: Conference Series, 2020, 1342, 012124. | 0.4 | 0 |
| 281 | The PAMELA space mission for antimatter and dark matter searches in space. , 2011, , 367-378. | | 0 |