Andrea G Vacchi

List of Publications by Year
in descending order

285 papers	14,994 citations	50244 46 h-index	19169 118 g-index
285 all docs	285 docs citations	285 times ranked	10892 citing authors

#	Article	IF	Citations
1	Space applications of GAGG:Ce scintillators: a study of afterglow emission by proton irradiation. Nuclear Instruments & Methods in Physics Research B, 2022, 513, 33-43.	0.6	12
2	ORION, a Multichip Readout Electronics for Satellite Wide Energy Range X-/Î³-Ray Imaging Spectroscopy: Design and Characterization of the Analog Section. IEEE Transactions on Nuclear Science, 2021, 68, 2801-2809.	1.2	8
3	The XGIS instrument on-board THESEUS: the detection plane and on-board electronics. , 2020, , .		4
4	The X/Gamma-ray Imaging Spectrometer (XGIS) on-board THESEUS: design, main characteristics, and concept of operation. , 2020, , .		9
5	DFG-based mid-IR tunable source with 0.5â€‰â€‰mJ energy and a 30â€‰â€‰pm linewidth. Optics Letters, 2020, 45, 5526.	3.7	6
6	24 mJ Cr+4:forsterite four-stage master-oscillator power-amplifier laser system for high resolution mid-infrared spectroscopy. Review of Scientific Instruments, 2019, 90, 093002.	0.6	5
7	Pulse amplification in a Cr4+:forsterite single longitudinal mode (SLM) multi-pass amplifier. Laser Physics, 2019, 29, 065801.	0.6	4
8	Observatory science with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	50
9	High performance DAQ for muon spectroscopy experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 327-328.	0.7	5
10	Dense matter with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	81
11	The enhanced X-ray Timing and Polarimetry missionâ€”eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	178
12	STROBE-X: a probe-class mission for x-ray spectroscopy and timing on timescales from microseconds to years. , 2018, , .		13
13	The large area detector onboard the eXTP mission. , 2018, , .		9
14	The wide field monitor onboard the eXTP mission. , 2018, , .		4
15	The e-ASTROGAM gamma-ray space observatory for the multimessenger astronomy of the 2030s. , 2018, , .		6
16	Towards a multiâ€element silicon drift detector system for fluorescence spectroscopy in the soft Xâ€ray regime. X-Ray Spectrometry, 2017, 46, 313-318.	0.9	26
17	A programmable System-on-Chip based digital pulse processing for high resolution X-ray spectroscopy. , 2016, , .		12
18	Low-energy negative muon interaction with matter. Journal of Instrumentation, 2016, 11, P03019-P03019.	0.5	1

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19	A new detector system for low energy X-ray fluorescence coupled with soft X-ray microscopy: First tests and characterization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 816, 113-118.	0.7	12
20	First results of a novel Silicon Drift Detector array designed for low energy X-ray fluorescence spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 452-454.	0.7	7
21	Toward the measurement of the hyperfine splitting in the ground state of muonic hydrogen. Hyperfine Interactions, 2015, 233, 97-101.	0.2	12
22	16th iWoRiD scientific summary and personal impressions. Journal of Instrumentation, 2015, 10, C08009-C08009.	0.5	0
23	Theoretical and computational study of the energy dependence of the muon transfer rate from hydrogen to higher-Z gases. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 151-156.	0.9	15
24	Mid-IR Laser System for Muounic-Hydrogen Spectroscopy. , 2015, , .		0
25	GAME: GRB AND ALL-SKY MONITOR EXPERIMENT. , 2015, , .		0
26	Measurement of the effect of non ionising energy losses on the leakage current of silicon drift detector prototypes for the LOFT satellite. Journal of Instrumentation, 2014, 9, P07016-P07016.	0.5	13
27	DFG-based mid-IR laser system for muounic-hydrogen spectroscopy. Proceedings of SPIE, 2014, , .	0.8	5
28	Large-area linear Silicon Drift Detector design for X-ray experiments. Journal of Instrumentation, 2014, 9, P07014-P07014.	0.5	25
29	A low-power CMOS ASIC for X-ray Silicon Drift Detectors low-noise pulse processing. Journal of Instrumentation, 2014, 9, C03036-C03036.	0.5	9
30	The effects of hyper-velocity dust-particle impacts on the LOFT Silicon Drift Detectors. Journal of Instrumentation, 2014, 9, P07015-P07015.	0.5	8
31	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. Astrophysical Journal, 2014, 791, 93.	1.6	127
32	Analysis on H spectral shape during the early 2012 SEPs with the PAMELA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 158-161.	0.7	2
33	Measurement of hydrogen and helium isotopes flux in galactic cosmic rays with the PAMELA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 273-275.	0.7	4
34	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 138-146.	0.7	9
35	GAME: GRB and All-sky Monitor Experiment. International Journal of Modern Physics D, 2014, 23, 1430010.	0.9	0
36	Cosmic-Ray Positron Energy Spectrum Measured by PAMELA. Physical Review Letters, 2013, 111, 081102.	2.9	243

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37	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.	0.4	105
38	A setup for soft proton irradiation of X-ray detectors for future astronomical space missions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 721, 65-72.	0.7	9
39	X-ray spectroscopic performance of a matrix of silicon drift diodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 353-355.	0.7	9
40	Status of the GAMMA-400 project. Advances in Space Research, 2013, 51, 297-300.	1.2	73
41	The PAMELA space experiment. Advances in Space Research, 2013, 51, 209-218.	1.2	45
42	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. Advances in Space Research, 2013, 51, 219-226.	1.2	36
43	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
44	Gamma-Light: High-Energy Astrophysics above 10 MeV. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 193-198.	0.5	18
45	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
46	Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012056.	0.3	2
47	Cosmic Ray Study with the PAMELA Experiment. Journal of Physics: Conference Series, 2013, 409, 012003.	0.3	8
48	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
49	Observing GRBs with theLOFTWide Field Monitor. EAS Publications Series, 2013, 61, 617-623.	0.3	0
50	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
51	Design and performance of the GAMMA-400 gamma-ray telescope for dark matter searches. , 2013, , .		24
52	Galactic deuteron spectrum measured in PAMELA experiment. Journal of Physics: Conference Series, 2013, 409, 012040.	0.3	4
53	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. Journal of Physics: Conference Series, 2013, 409, 012029.	0.3	6
54	Cosmic ray electron and positron spectra measured with PAMELA. Journal of Physics: Conference Series, 2013, 409, 012035.	0.3	1

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55	The PAMELA experiment: light-nuclei selection with stand-alone detectors. Journal of Physics: Conference Series, 2013, 409, 012038.	0.3	0
56	Search for cosmic ray electron-positron anisotropies with the Pamela data. Journal of Physics: Conference Series, 2013, 409, 012055.	0.3	3
57	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. Journal of Physics: Conference Series, 2013, 409, 012188.	0.3	5
58	A large area detector proposed for the Large Observatory for X-ray Timing (LOFT). , 2012, , .		15
59	The PAMELA space mission for antimatter and dark matter searches in space. Hyperfine Interactions, 2012, 213, 147-158.	0.2	0
60	The Large Observatory for X-ray Timing (LOFT). Experimental Astronomy, 2012, 34, 415-444.	1.6	168
61	Calibration strategies for the LAD instrument on-board LOFT. Proceedings of SPIE, 2012, , .	0.8	1
62	Accelerator experiments with soft protons and hyper-velocity dust particles: application to ongoing projects of future x-ray missions. , 2012, , .		0
63	The LOFT wide field monitor. Proceedings of SPIE, 2012, , .	0.8	8
64	LOFT: the Large Observatory For X-ray Timing. Proceedings of SPIE, 2012, , .	0.8	29
65	Simulations of the x-ray imaging capabilities of the silicon drift detectors (SDD) for the LOFT wide-field monitor. Proceedings of SPIE, 2012, , .	0.8	5
66	Hyperfine spectroscopy of muonic hydrogen and the PSI Lamb shift experiment. Nuclear Instruments & Methods in Physics Research B, 2012, 281, 72-76.	0.6	26
67	Femtoscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>0.9</mml:mn></mml:math>and 7ÂTeV at the LHC with two-pion Bose-Einstein correlations. Physical Review D, 2011, 84, .	1.6	93
68	Cosmic-Ray Electron Flux Measured by the PAMELA Experiment between 1 and 625ÂGeV. Physical Review Letters, 2011, 106, 201101.	2.9	281
69	PAMELA Measurements of Cosmic-Ray Proton and Helium Spectra. Science, 2011, 332, 69-72.	6.0	686
70	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. Astrophysical Journal Letters, 2011, 737, L29.	3.0	40
71	High-energy cosmic ray proton spectrum. Bulletin of the Lebedev Physics Institute, 2011, 38, 68-75.	0.1	1
72	Strange particle production in protonâ€“proton collisions at $sqrt{s}=0.9$ $mbox {${m TeV}$}$ with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	140

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73	Production of pions, kaons and protons in pp collisions at $sqrt{s}= 900~mathrm{GeV}$ with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	209
74	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
75	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
76	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
77	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
78	Results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 243-248.	0.5	2
79	Suppression of charged particle production at large transverse momentum in central Pbâ€“Pb collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi mathvariant="italic">NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>2.76</mml:mn><mml:mtext>	1.5	433
80	Two-pion Boseâ€“Einstein correlations in central Pbâ€“Pb collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi mathvariant="normal">NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>2.76</mml:mn><mml:mtext> TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 328-337.	1.5	235
81	X-Rays Compton Detectors For Biomedical Application. , 2011, , .		0
82	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi>NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml: Physical Review Letters, 2011, 106, 032301.	2.9	507
83	Characterization of an ASIC front-end electronics dedicated to the Silicon Drift Detectors. , 2011, , .		0
84	Concept for an innovative wide-field camera for x-ray astronomy. Proceedings of SPIE, 2010, , .	0.8	1
85	LOFT: a large observatory for x-ray timing. Proceedings of SPIE, 2010, , .	0.8	9
86	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
87	Operation and calibration of the Silicon Drift Detectors of the ALICE experiment during the 2008 cosmic ray data taking period. Journal of Instrumentation, 2010, 5, P04004-P04004.	0.5	3
88	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003-P03003.	0.5	171
89	Measurement of the high-energy electron and positron spectrum in the PAMELA experiment. Bulletin of the Lebedev Physics Institute, 2010, 37, 184-190.	0.1	3
90	First protonâ€“proton collisions at the LHC as observed withÂtheÂALICE detector: measurement of the charged-particle pseudorapidity density at $sqrt{s}=900$ ÂGeV. European Physical Journal C, 2010, 65, 111-125.	1.4	124

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91	Charged-particle multiplicity measurement in protonâ€“proton collisions at $sqrt{s}=0.9$ and 2.36ÂTeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	1.4	199
92	Charged-particle multiplicity measurement in protonâ€“proton collisions at $sqrt{s}=7$ÂTeV with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	1.4	212
93	A statistical procedure for the identification of positrons in the PAMELA experiment. Astroparticle Physics, 2010, 34, 1-11.	1.9	168
94	Transverse momentum spectra of charged particles in protonâ€“proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>900</mml:mn><mml:mtext> GeV</mml:mtext></mml:math> with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 53-68.	1.5	158
95	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow>	2.9	296
96	Midrapidity Antiproton-to-Proton Ratio in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>Collisons at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>0.9</mml:mn></mml:math>and 7ÂTeV Measured by the ALICE Experiment. Physical Review Letters, 2010, 105, 072002.	2.9	67
97	The PAMELA Space Mission for Antimatter and Dark Matter Searches in Cosmic Rays. , 2010, , .		1
98	A concept for a lightweight, low-power and sensitive Silicon-based All Sky Monitor for transient sources and Gamma Ray Bursts. , 2010, , .		0
99	PAMELA Results on the Cosmic-Ray Antiproton Flux from 60ÂMeV to 180ÂGeV in Kinetic Energy. Physical Review Letters, 2010, 105, 121101.	2.9	444
100	Elliptic Flow of Charged Particles in Pb-Pb Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow> Physical Review Letters, 2010, 105, 252302.	2.9	659
101	Two-pion Bose-Einstein correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>900</mml:mn><mml:mtext>â€% Physical Review D, 2010, 82, .	1.6	61
102	New Measurement of the Antiproton-to-Proton Flux Ratio up to 100 GeV in the Cosmic Radiation. Physical Review Letters, 2009, 102, 051101.	2.9	434
103	Precision studies of cosmic rays with the PAMELA satellite experiment. , 2009, , .		0
104	Physics at a future Neutrino Factory and super-beam facility. Reports on Progress in Physics, 2009, 72, 106201.	8.1	174
105	Dark Matter Research and the PAMELA Space Mission. , 2009, , .		0
106	PAMELA and indirect dark matter searches. New Journal of Physics, 2009, 11, 105023.	1.2	31
107	A Light and Effective Wide Field Monitor for Gamma Ray Bursts and Transient Sources. , 2009, , .		1
108	The PAMELA space mission. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 296-298.	0.5	7

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109	Latest results from PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 123-128.	0.5	1
110	An anomalous positron abundance in cosmic rays with energies 1.5â€“100â€‰GeV. Nature, 2009, 458, 607-609.	13.7	1,794
111	Cosmic ray measurements with Pamela experiment. Nuclear Physics, Section B, Proceedings Supplements, 2009, 190, 293-299.	0.5	10
112	Measurements of quasiâ€trapped electron and positron fluxes with PAMELA. Journal of Geophysical Research, 2009, 114, .	3.3	17
113	The X-Ray Spectroscopic Performance of a Very Large Area Silicon Drift Detector. IEEE Transactions on Nuclear Science, 2009, 56, 832-835.	1.2	25
114	Performance of the PAMELA Si-W imaging calorimeter in space. Journal of Physics: Conference Series, 2009, 160, 012039.	0.3	0
115	INTERNATIONAL RUSSIAN-ITALIAN MISSION "RIM-PAMELA". , 2009, , .		0
116	Magnetospheric and solar physics observations with the PAMELA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 243-246.	0.7	1
117	Launch of the space experiment PAMELA. Advances in Space Research, 2008, 42, 455-466.	1.2	36
118	In-flight performances of the PAMELA satellite experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 259-266.	0.7	41
119	The ALICE experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08002-S08002.	0.5	811
120	The PAMELA space experiment: first year of operation. Journal of Physics: Conference Series, 2008, 110, 062002.	0.3	7
121	The PAMELA space mission. , 2008, , .		0
122	PAMELA: A payload for antimatter matter exploration and light-nuclei astrophysics - status and first results. , 2007, , .		0
123	PAMELA â€“ A payload for antimatter matter exploration and light-nuclei astrophysics. Astroparticle Physics, 2007, 27, 296-315.	1.9	362
124	Production and assembly of the ALICE silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 236-240.	0.7	7
125	Charge injectors of ALICE Silicon Drift Detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 125-127.	0.7	15
126	Spectroscopic performances of a very large area silicon drift detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 328-329.	0.7	2

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127	The ALICE silicon drift detectors: Production and assembly. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 733-738.	0.7	17
128	The Pamela experiment ready for flight. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 471-473.	0.7	32
129	Very Large Area Silicon Drift Detector Spectroscopic Performances. , 2006, , .		3
130	The PAMELA electromagnetic calorimeter: performances. AIP Conference Proceedings, 2006, , .	0.3	2
131	Relative nuclear abundances inside ISS with Sileye-3/Alteino experiment. Advances in Space Research, 2006, 37, 1685-1690.	1.2	13
132	Beam test results of the irradiated silicon drift detector for ALICE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 94-99.	0.7	7
133	Space qualification tests of the PAMELA instrument. Advances in Space Research, 2006, 37, 1841-1847.	1.2	3
134	The electronâ€“hadron separation performance of the PAMELA electromagnetic calorimeter. Astroparticle Physics, 2006, 26, 111-118.	1.9	27
135	Device simulation of the ALICE silicon drift detector. Microelectronics Journal, 2006, 37, 1629-1638.	1.1	10
136	Detector response and calibration of the cosmic-ray detector of the Sileye-3/Alteino experiment. Advances in Space Research, 2006, 37, 1691-1696.	1.2	18
137	Cosmic-ray observations of the heliosphere with the PAMELA experiment. Advances in Space Research, 2006, 37, 1848-1852.	1.2	8
138	A second level trigger for the PAMELA satellite experiment. Astroparticle Physics, 2006, 25, 33-40.	1.9	4
139	ALICE: Physics Performance Report, Volume II. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 1295-2040.	1.4	441
140	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, 2005, 539, 250-261.	0.7	17
141	Silicon-tungsten calorimeter for the forward direction in the PHENIX experiment at RHIC. IEEE Transactions on Nuclear Science, 2005, 52, 874-878.	1.2	7
142	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.	0.7	4
143	The Space Experiment PAMELA. Nuclear Physics, Section B, Proceedings Supplements, 2004, 134, 39-46.	0.5	19
144	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.	0.7	0

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145	The ALTEA/ALTEINO projects: studying functional effects of microgravity and cosmic radiation. Advances in Space Research, 2004, 33, 1352-1357.	1.2	39
146	PAMELA: a satellite experiment for antiparticles measurement in cosmic rays. IEEE Transactions on Nuclear Science, 2004, 51, 854-859.	1.2	7
147	Highâ€Energy Deuteron Measurement with the CAPRICE98 Experiment. Astrophysical Journal, 2004, 615, 259-274.	1.6	21
148	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.	1.2	4
149	Study of the radiation environment on MIR space station with SILEYE-2 experiment. Advances in Space Research, 2003, 31, 135-140.	1.2	11
150	ALTEA: Anomalous long term effects in astronauts. A probe on the influence of cosmic radiation and microgravity on the central nervous system during long flights. Advances in Space Research, 2003, 31, 141-146.	1.2	22
151	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.	0.7	12
152	Title is missing!. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 510, vii.	0.7	0
153	The cosmic-ray proton and helium spectra measured with the CAPRICE98 balloon experiment. Astroparticle Physics, 2003, 19, 583-604.	1.9	112
154	Simulation study of the siliconâ€“tungsten calorimeter for ACCESS. Astroparticle Physics, 2003, 19, 463-476.	1.9	4
155	Dual origins of light flashes seen in space. Nature, 2003, 422, 680-680.	13.7	84
156	Probe station for testing of ALICE silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 512, 272-276.	0.7	3
157	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
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