

# Giovanni Ambrosi

## List of Publications by Year in descending order

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289  
papers

11,951  
citations

47409

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37326

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292  
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292  
docs citations

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times ranked

9593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of silicon photomultipliers in ground-based and spaceborne high-energy astrophysics. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	3
2	Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). <i>Instruments</i> , 2022, 6, 19.	0.8	6
3	Properties of Daily Helium Fluxes. <i>Physical Review Letters</i> , 2022, 128, .	2.9	15
4	The Alpha Magnetic Spectrometer (AMS) on the international space station: Part II "Results from the first seven years. <i>Physics Reports</i> , 2021, 894, 1-116.	10.3	160
5	Properties of Iron Primary Cosmic Rays: Results from the Alpha Magnetic Spectrometer. <i>Physical Review Letters</i> , 2021, 126, 041104.	2.9	46
6	Properties of Heavy Secondary Fluorine Cosmic Rays: Results from the Alpha Magnetic Spectrometer. <i>Physical Review Letters</i> , 2021, 126, 081102.	2.9	19
7	Detection of the Crab Nebula with the 9.7Åm prototype Schwarzschild-Couder telescope. <i>Astroparticle Physics</i> , 2021, 128, 102562.	1.9	19
8	Advantages and Requirements in Time Resolving Tracking for Astroparticle Experiments in Space. <i>Instruments</i> , 2021, 5, 20.	0.8	3
9	High precision particle astrophysics as a new window on the universe with an Antimatter Large Acceptance Detector In Orbit (ALADInO). <i>Experimental Astronomy</i> , 2021, 51, 1299-1330.	1.6	9
10	Charge identification of nuclear fragments with the FOOT Time-Of-Flight system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1001, 165206.	0.7	4
11	Properties of a New Group of Cosmic Nuclei: Results from the Alpha Magnetic Spectrometer on Sodium, Aluminum, and Nitrogen. <i>Physical Review Letters</i> , 2021, 127, 021101.	2.9	18
12	Enhancing the understanding of fragmentation processes in hadrontherapy and radioprotection in space with the FOOT experiment. <i>Physica Scripta</i> , 2021, 96, 114013.	1.2	1
13	The electronics of the High-Energy Particle Detector on board the CSES-01 satellite. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1013, 165639.	0.7	9
14	Control and data acquisition software of the high-energy particle detector on board the China Seismo-Electromagnetic Satellite space mission. <i>Software - Practice and Experience</i> , 2021, 51, 1459-1480.	2.5	10
15	Periodicities in the Daily Proton Fluxes from 2011 to 2019 Measured by the Alpha Magnetic Spectrometer on the International Space Station from 1 to 100ÅGV. <i>Physical Review Letters</i> , 2021, 127, 271102.	2.9	27
16	Status of the development of NUV SiPMs for INFN optical modules for the SCT medium sized telescope proposed for the CTA observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 982, 164486.	0.7	4
17	Properties of Neon, Magnesium, and Silicon Primary Cosmic Rays Results from the Alpha Magnetic Spectrometer. <i>Physical Review Letters</i> , 2020, 124, 211102.	2.9	58
18	Beam test calibrations of the HEPD detector on board the China Seismo-Electromagnetic Satellite. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 974, 164170.	0.7	15

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19	Measurement of $^{12}\text{C}$ Fragmentation Cross Sections on C, O, and H in the Energy Range of Interest for Particle Therapy Applications. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 269-282.	2.7	5
20	In-flight performance of the DAMPE silicon tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 309-315.	0.7	13
21	Scientific Goals and In-orbit Performance of the High-energy Particle Detector on Board the CSES. Astrophysical Journal, Supplement Series, 2019, 243, 16.	3.0	33
22	Properties of Cosmic Helium Isotopes Measured by the Alpha Magnetic Spectrometer. Physical Review Letters, 2019, 123, 181102.	2.9	40
23	Towards Understanding the Origin of Cosmic-Ray Positrons. Physical Review Letters, 2019, 122, 041102.	2.9	174
24	A charge reconstruction algorithm for DAMPE silicon microstrip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 24-29.	0.7	5
25	A New Approach to Calorimetry in Space-Based Experiments for High-Energy Cosmic Rays. Universe, 2019, 5, 72.	0.9	2
26	Penetrating particle ANalyzer (PAN). Advances in Space Research, 2019, 63, 2672-2682.	1.2	13
27	Towards Understanding the Origin of Cosmic-Ray Electrons. Physical Review Letters, 2019, 122, 101101.	2.9	109
28	The Penetrating particle ANalyzer (PAN) instrument for measurements of low energy cosmic rays. , 2019, , .		1
29	Readout chain validation of INFN modules for the CTA-pSCT camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 353-355.	0.7	1
30	The enhanced X-ray Timing and Polarimetry mission "eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	178
31	Characterization of FBK NUV-HD SiPMs for the pSCT camera proposed for the Cherenkov Telescope Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 542-544.	0.7	3
32	The on-orbit calibration of DArk Matter Particle Explorer. Astroparticle Physics, 2019, 106, 18-34.	1.9	31
33	Development and characterization of $\alpha^{13}\text{E}$ -TOF detector prototype for the FOOT experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 916, 116-124.	0.7	8
34	The HEPD particle detector of the CSES satellite mission for investigating seismo-associated perturbations of the Van Allen belts. Science China Technological Sciences, 2018, 61, 643-652.	2.0	37
35	Charge reconstruction of the DAMPE Silicon "Tungsten Tracker: A preliminary study with ion beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 886, 48-52.	0.7	6
36	Assembly and test of photo-detection modules for the Schwarzschild Couder Medium Size Telescope prototype for the Cherenkov Telescope Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 264-268.	0.7	1

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37	Observation of New Properties of Secondary Cosmic Rays Lithium, Beryllium, and Boron by the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 120, 021101.	2.9	172
38	Science with e-ASTROGAM. <i>Journal of High Energy Astrophysics</i> , 2018, 19, 1-106.	2.4	177
39	Observation of Complex Time Structures in the Cosmic-Ray Electron and Positron Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 121, 051102.	2.9	62
40	Observation of Fine Time Structures in the Cosmic Proton and Helium Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 121, 051101.	2.9	98
41	Internal alignment and position resolution of the silicon tracker of DAMPE determined with orbit data. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 893, 43-56.	0.7	22
42	Precision Measurement of Cosmic-Ray Nitrogen and its Primary and Secondary Components with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 121, 051103.	2.9	68
43	Silicon Photomultipliers and front-end electronics performance for Cherenkov Telescope Array camera development. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 845, 8-11.	0.7	9
44	The HEPD particle detector and the EFD electric field detector for the CSES satellite. <i>Radiation Physics and Chemistry</i> , 2017, 137, 187-192.	1.4	9
45	The e-ASTROGAM mission. <i>Experimental Astronomy</i> , 2017, 44, 25-82.	1.6	167
46	The DArk Matter Particle Explorer mission. <i>Astroparticle Physics</i> , 2017, 95, 6-24.	1.9	185
47	The spatial resolution of the silicon tracker of the Alpha Magnetic Spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 869, 29-37.	0.7	28
48	Depth of interaction determination in monolithic scintillator with double side SiPM readout. <i>EJNMMI Physics</i> , 2017, 4, 11.	1.3	15
49	Development of a Charge Preamplifier to Improve NUV-HD SiPM Performances. <i>Nuclear and Particle Physics Proceedings</i> , 2017, 291-293, 40-43.	0.2	5
50	Observation of the Identical Rigidity Dependence of He, C, and O Cosmic Rays at High Rigidities by the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2017, 119, 251101.	2.9	204
51	Introduction to the High Energy cosmic-Radiation Detection (HERD) Facility onboard China's Future Space Station. , 2017, , .		5
52	A four-dimensional photon detector for PET application. <i>Journal of Instrumentation</i> , 2016, 11, C03015-C03015.	0.5	1
53	Antiproton Flux, Antiproton-to-Proton Flux Ratio, and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2016, 117, 091103.	2.9	295
54	Precision Measurement of the Boron to Carbon Flux Ratio in Cosmic Rays from 1.9 $\hat{A}$ GV to 2.6 $\hat{A}$ TV with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2016, 117, 231102.	2.9	236

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55	Large size SiPM matrix for Imaging Atmospheric Cherenkov Telescopes applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 125-127.	0.7	8
56	The DAMPE silicon-tungsten tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 378-384.	0.7	58
57	Experimental verification of the HERD prototype at CERN SPS. Proceedings of SPIE, 2016, , .	0.8	1
58	Precision Measurement of the Helium Flux in Primary Cosmic Rays of Rigidities 1.9ÂGV to 3ÂTV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2015, 115, 211101.	2.9	369
59	Precision Measurement of the Proton Flux in Primary Cosmic Rays from Rigidity 1ÂGV to 1.8 TV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2015, 114, 171103.	2.9	655
60	The high energy cosmic-radiation detection (HERD) facility onboard China's Space Station. Proceedings of SPIE, 2014, , .	0.8	41
61	The large size telescope of the Cherenkov Telescope Array. , 2014, , .		3
62	Development of the camera for the large size telescopes of the Cherenkov Telescope Array. Proceedings of SPIE, 2014, , .	0.8	3
63	<a href="http://www.w3.org/1998/Math/MathML">Precision Measurement of the</a> $\sqrt{e}$ <a href="http://www.w3.org/1998/Math/MathML">Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 221102.</a>	2.9	338
64	A detector module composed of pixellated crystals coupled to SiPM strips. Journal of Instrumentation, 2014, 9, P08007-P08007.	0.5	4
65	Active CO2 two-phase loops for the AMS-02 tracker. IEEE Aerospace and Electronic Systems Magazine, 2014, 29, 4-13.	2.3	11
66	Electron and Positron Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 121102.	2.9	397
67	High Statistics Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5â€“500ÂGeV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 121101.	2.9	428
68	Development of a PET detector module with Depth of Interaction capability. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 603-606.	0.7	19
69	Proof of concept of an imaging system demonstrator for PET applications with SiPM. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 720, 67-69.	0.7	1
70	First Result from the Alpha Magnetic Spectrometer on the International Space Station: Precision Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5â€“350 GeV. Physical Review Letters, 2013, 110, 141102.	2.9	852
71	TDC-based readout electronics for real-time acquisition of high resolution PET bio-images. Proceedings of SPIE, 2013, , .	0.8	1
72	An innovative detection module concept for PET. Journal of Instrumentation, 2012, 7, C08003-C08003.	0.5	11

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73	SiPM-based PET module with depth of interaction. , 2012, , .		4
74	Timing performances of a data acquisition system for Time of Flight PET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 210-212.	0.7	9
75	Upgrade of the Alpha Magnetic Spectrometer (AMS-02) for long term operation on the International Space Station (ISS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 639-648.	0.7	95
76	Development and characterization of a modular acquisition system for a 4D PET block detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 494-498.	0.7	10
77	The MU-RAY project: Volcano radiography with cosmic-ray muons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 120-123.	0.7	51
78	Characterization and test of a data acquisition system for PET. , 2011, , .		1
79	ISOTOPIC COMPOSITION OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. Astrophysical Journal, 2011, 736, 105.	1.6	37
80	RELATIVE COMPOSITION AND ENERGY SPECTRA OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. Astrophysical Journal, 2010, 724, 329-340.	1.6	50
81	Wide dynamic range acquisition system for innovative radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 296-297.	0.7	0
82	Time resolving characteristics of HPK and FBK silicon photomultipliers for TOF and PET applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 242-243.	0.7	6
83	Advantages and pitfalls of the silicon photomultiplier (SiPM) as photodetector for the next generation of PET scanners. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 223-226.	0.7	40
84	The AMS-02 silicon tracker: Recent results and current status. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 471-472.	0.7	4
85	The internal alignment and position resolution of the AMS-02 silicon tracker determined with cosmic-ray muons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 207-217.	0.7	73
86	First PET imaging results with continuous LYSO crystals and monolithic, 64-pixel SiPM matrices. , 2010, , .		5
87	Characterization of Silicon Detectors for the SiliPET Project: A Small Animal PET Scanner Based on Stacks of Silicon Detectors. IEEE Transactions on Nuclear Science, 2010, 57, 2424-2436.	1.2	3
88	Observation of Multiple Volume Reflection of Ultrarelativistic Protons by a Sequence of Several Bent Silicon Crystals. Physical Review Letters, 2009, 102, 084801.	2.9	37
89	Experimental study of the radiation emitted by $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 180 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\alpha} \langle / \text{mml:mtext} \rangle \langle \text{mml:mi} \rangle \text{GeV} \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle / \text{mml:mo} \rangle$ and positrons volume-reflected in a bent crystal. Physical Review A. 2009, 79, .	1.0	50
90	Measurements for the SiliPET project: A small animal PET scanner based on stacks of silicon detectors. , 2009, , .		2

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91	Evaluation of HPK and FBK silicon photomultipliers for TOF and PET applications. , 2009, , .		1
92	Silicon photomultiplier arrays â€“ a novel photon detector for a high resolution tracker produced at FBK-irst, Italy.. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 83-86.	0.5	3
93	A Scintillating Fiber Tracker With SiPM Readout. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 245-249.	0.5	2
94	Observation of nuclear dechanneling for high-energy protons in crystals. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 129-132.	1.5	45
95	Double volume reflection of a proton beam by a sequence of two bent crystals. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 658, 109-111.	1.5	25
96	The alpha magnetic spectrometer silicon tracker: Performance results with protons and helium nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 376-398.	0.7	45
97	High-Efficiency Deflection of High-Energy Protons through Axial Channeling in a Bent Crystal. Physical Review Letters, 2008, 101, 164801.	2.9	45
98	Thermal and Electrical Characterization of Silicon Photomultiplier. IEEE Transactions on Nuclear Science, 2008, 55, 1686-1690.	1.2	22
99	Deflection of $400 \text{ GeV}$ beam with bent silicon crystals at the CERN Super Proton Synchrotron. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	50
100	Apparatus to study crystal channeling and volume reflection phenomena at the SPS H8 beamline. Review of Scientific Instruments, 2008, 79, 023303.	0.6	23
101	Volume Reflection Dependence of $400 \text{ GeV}$ on the Bent Crystal Curvature. Physical Review Letters, 2008, 101, 234801.	2.9	57
102	First measurements for the SiliPET project: A small animal PET scanner based on stacks of silicon detectors. , 2007, , .		4
103	High-Efficiency Volume Reflection of an Ultrarelativistic Proton Beam with a Bent Silicon Crystal. Physical Review Letters, 2007, 98, 154801.	2.9	123
104	Thermal and electrical characterization of silicon photomultiplier. , 2007, , .		0
105	<title>Experimental apparatus to study crystal channeling in an external SPS beamline</title>. , 2007, , .		0
106	Single photon timing resolution and detection efficiency of the IRST silicon photo-multipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 461-464.	0.7	68
107	Development of the power supply system for the AMS-02 tracker detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 330-332.	0.7	0
108	Cosmic-ray positron fraction measurement from 1 to 30 GeV with AMS-01. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 646, 145-154.	1.5	269

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109	Construction and qualification of the Power Supply system of the AMS-02 Tracker detector. Nuclear Physics, Section B, Proceedings Supplements, 2007, 166, 234-240.	0.5	1
110	The Power Supply System of the AMS-02 Tracker Detector. IEEE Transactions on Nuclear Science, 2006, 53, 2434-2439.	1.2	1
111	A study of cosmic ray secondaries induced by the Mir space station using AMS-01. Nuclear Instruments & Methods in Physics Research B, 2005, 234, 321-332.	0.6	2
112	Charge determination of nuclei with the AMS-02 silicon tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 540, 121-130.	0.7	23
113	Absorbed dose rate estimation for protons, leptons and helium observed with AMS01 experiment in low earth orbit during STS-91 mission. Radiation Protection Dosimetry, 2005, 116, 216-219.	0.4	0
114	Protons with kinetic energy $E > 70$ MeV trapped in the Earth's radiation belts. Journal of Geophysical Research, 2004, 109, .	3.3	9
115	High-energy protons, electrons, and positrons trapped in Earth's radiation belts. Space Weather, 2004, 2, n/a-n/a.	1.3	20
116	Atmospheric production of energetic protons, electrons and positrons observed in near Earth orbit. Astroparticle Physics, 2003, 20, 221-234.	1.9	13
117	AMS, a particle detector in space: results from the precursor flight and status of AMS-02. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 236-244.	0.5	3
118	Leptons with energy $> 200$ MeV trapped near the South Atlantic Anomaly. Journal of Geophysical Research, 2003, 108, .	3.3	15
119	The Alpha Magnetic Spectrometer (AMS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 119-122.	0.7	37
120	The Alpha Magnetic Spectrometer (AMS) on the International Space Station: Part I " results from the test flight on the space shuttle. Physics Reports, 2002, 366, 331-405.	10.3	366
121	Study of Z boson pair production in $e^+e^- \rightarrow \gamma \gamma$ interactions at $\sqrt{s} = 202$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 497, 23-38.	1.5	5
122	Light resonances in $K^0_S \rightarrow \pi^+ \pi^-$ and $\bar{K}^0_S \rightarrow \pi^+ \pi^-$ final states in $\hat{p}\hat{p}$ collisions at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 501, 1-11.	1.5	44
123	$K^0_S$ final state in two-photon collisions and implications for glueballs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 501, 173-182.	1.5	41
124	Search for excited leptons in $e^+e^- \rightarrow \gamma \gamma$ interactions at $\sqrt{s} = 202$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 502, 37-50.	1.5	17
125	Measurements of the cross sections for open charm and beauty production in $\hat{p}\hat{p}$ collisions at $\sqrt{s} = 202$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 10-20.	1.5	46
126	Search for neutral Higgs bosons of the minimal supersymmetric standard model in $e^+e^- \rightarrow \gamma \gamma$ interactions at $\sqrt{s} = 202$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 21-33.	1.5	9



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127	Study of the process at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 505, 47-58.	1.5	6
128	Search for the Standard Model Higgs boson in $e^+e^-$ collisions at up to 202 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 508, 225-236.	1.5	16
129	Measurement of the charm production cross section in $\hat{1}\hat{3}\hat{1}\hat{3}$ collisions at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 514, 19-28.	1.5	16
130	Total cross section in $\hat{1}\hat{3}\hat{1}\hat{3}$ collisions at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 519, 33-45.	1.5	35
131	Measurement of the tau branching fractions into leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 47-60.	1.5	11
132	The AMS silicon tracker readout: performance results with minimum ionizing particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 439, 53-64.	0.7	13
133	High-precision tracking and charge selection with silicon strip detectors for relativistic ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 446, 522-535.	0.7	9
134	Hard-photon production and tests of QED at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 198-205.	1.5	8
135	Measurement of the running of the fine-structure constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 40-48.	1.5	20
136	Measurement of the probability of gluon splitting into charmed quarks in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 243-255.	1.5	12
137	Measurement of the $e^+e^- \rightarrow \hat{1}\hat{3}\hat{1}\hat{3}$ cross section and determination of quartic gauge boson couplings at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 39-49.	1.5	13
138	Measurement of hadron and lepton-pair production at GeV at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 101-117.	1.5	27
139	Measurement of the lifetime of the tau lepton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 67-78.	1.5	19
140	Inclusive $\hat{1}\hat{1}^+$ and $\hat{1}\hat{1}^0$ production in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 79-88.	1.5	6
141	Search for charginos with a small mass difference to the lightest supersymmetric particle at $\sqrt{s} = 189$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 482, 31-42.	1.5	24
142	Leptons in near earth orbit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 484, 10-22.	1.5	224
143	Search for an invisibly decaying Higgs boson in $e^+e^-$ collisions at $\sqrt{s} = 183$ – $189$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 85-94.	1.5	7
144	Measurements of the production cross section and forward–backward asymmetry at centre-of-mass energies above the Z pole at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 71-84.	1.5	8

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145	Production of single $W$ bosons at GeV and measurement of $WW\hat{\Gamma}^3$ gauge couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 229-240.	1.5	9
146	Search for anomalous $ZZ\hat{\Gamma}^3$ and $Z\hat{\Gamma}^3\hat{\Gamma}^3$ couplings in the process $e+e\hat{\Gamma}^+\hat{\Gamma}^+Z\hat{\Gamma}^3$ at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 489, 55-64.	1.5	11
147	Search for manifestations of new physics in fermion-pair production at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 489, 81-92.	1.5	50
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