

Alberto Oliva

List of Publications by Year in descending order

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56
papers

5,629
citations

186209

28
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50
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58
all docs

58
docs citations

58
times ranked

6568
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning based event reconstruction for the Limadou High-Energy Particle Detector. Physical Review D, 2022, 105, .	1.6	0
2	New results on protons inside the South Atlantic Anomaly, at energies between 40 and 250 MeV in the period 2018–2020, from the CSES-01 satellite mission. Physical Review D, 2022, 105, .	1.6	7
3	Design of an Antimatter Large Acceptance Detector In Orbit (ALADInO). Instruments, 2022, 6, 19.	0.8	6
4	Properties of Daily Helium Fluxes. Physical Review Letters, 2022, 128, .	2.9	15
5	The Alpha Magnetic Spectrometer (AMS) on the international space station: Part II – Results from the first seven years. Physics Reports, 2021, 894, 1-116.	10.3	160
6	Properties of Iron Primary Cosmic Rays: Results from the Alpha Magnetic Spectrometer. Physical Review Letters, 2021, 126, 041104.	2.9	46
7	Properties of Heavy Secondary Fluorine Cosmic Rays: Results from the Alpha Magnetic Spectrometer. Physical Review Letters, 2021, 126, 081102.	2.9	19
8	Trapped Proton Fluxes Estimation Inside the South Atlantic Anomaly Using the NASA AE9/AP9/SPM Radiation Models along the China Seismo-Electromagnetic Satellite Orbit. Applied Sciences (Switzerland), 2021, 11, 3465.	1.3	4
9	A Statistical Analysis of Death Rates in Italy for the Years 2015–2020 and a Comparison with the Casualties Reported from the COVID-19 Pandemic. Infectious Disease Reports, 2021, 13, 285-301.	1.5	1
10	Advantages and Requirements in Time Resolving Tracking for Astroparticle Experiments in Space. Instruments, 2021, 5, 20.	0.8	3
11	The August 2018 Geomagnetic Storm Observed by the High-Energy Particle Detector on Board the CSES-01 Satellite. Applied Sciences (Switzerland), 2021, 11, 5680.	1.3	13
12	Properties of a New Group of Cosmic Nuclei: Results from the Alpha Magnetic Spectrometer on Sodium, Aluminum, and Nitrogen. Physical Review Letters, 2021, 127, 021101.	2.9	18
13	Periodicities in the Daily Proton Fluxes from 2011 to 2019 Measured by the Alpha Magnetic Spectrometer on the International Space Station from 1 to 100 GV. Physical Review Letters, 2021, 127, 271102.	2.9	27
14	New Properties of Secondary Cosmic Rays observed by the Alpha Magnetic Spectrometer on the International Space Station. Journal of Physics: Conference Series, 2021, 2156, 012094.	0.3	0
15	The AMS-02 RICH detector: Status and physics results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 952, 161797.	0.7	10
16	Nuclei charge measurement by the Alpha Magnetic Spectrometer silicon tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 972, 164169.	0.7	17
17	Cosmic-ray antinuclei as messengers of new physics: status and outlook for the new decade. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 035-035.	1.9	48
18	Properties of Neon, Magnesium, and Silicon Primary Cosmic Rays Results from the Alpha Magnetic Spectrometer. Physical Review Letters, 2020, 124, 211102.	2.9	58

#	ARTICLE	IF	CITATIONS
19	Measurements of nuclear interaction cross sections with the Alpha Magnetic Spectrometer on the International Space Station. Nuclear Physics A, 2020, 996, 121712.	0.6	14
20	Properties of Cosmic Helium Isotopes Measured by the Alpha Magnetic Spectrometer. Physical Review Letters, 2019, 123, 181102.	2.9	40
21	Observation of Properties of Primary and Secondary Cosmic Rays by the Alpha Magnetic Spectrometer on the International Space Station. EPJ Web of Conferences, 2019, 208, 13002.	0.1	0
22	Towards Understanding the Origin of Cosmic-Ray Positrons. Physical Review Letters, 2019, 122, 041102.	2.9	174
23	Towards Understanding the Origin of Cosmic-Ray Electrons. Physical Review Letters, 2019, 122, 101101.	2.9	109
24	Observation of New Properties of Secondary Cosmic Rays Lithium, Beryllium, and Boron by the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2018, 120, 021101.	2.9	172
25	Observation of Complex Time Structures in the Cosmic-Ray Electron and Positron Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2018, 121, 051102.	2.9	62
26	Observation of Fine Time Structures in the Cosmic Proton and Helium Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2018, 121, 051101.	2.9	98
27	Precision Measurement of Cosmic-Ray Nitrogen and its Primary and Secondary Components with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2018, 121, 051103.	2.9	68
28	The RICH detector of AMS-02: 5 years of operation in space. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 876, 5-8.	0.7	6
29	Mass resolution for helium isotopes in AMS-02. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 868, 139-141.	0.7	4
30	The spatial resolution of the silicon tracker of the Alpha Magnetic Spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 869, 29-37.	0.7	28
31	Production and Acceleration of Antinuclei in Supernova Shockwaves. Astrophysical Journal Letters, 2017, 844, L26.	3.0	16
32	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. Physical Review Letters, 2017, 119, 251101.	2.9	204
33	Fresh Insights on Cosmic-ray Propagation from the New AMS Data. Research Notes of the AAS, 2017, 1, 35.	0.3	2
34	Precision Measurement of Nuclei in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station. , 2017, , .		0
35	Bayesian analysis of spatial-dependent cosmic-ray propagation: Astrophysical background of antiprotons and positrons. Physical Review D, 2016, 94, .	1.6	76
36	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. Physical Review Letters, 2016, 117, 091103.	2.9	295

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37	Precision Measurement of the Boron to Carbon Flux Ratio in Cosmic Rays from 1.9ÂGeV to 2.6ÂTV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2016, 117, 231102.	2.9	236
38	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
39	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
40	Precision Measurement of the $\frac{e}{p}$ Flux in Primary Cosmic Rays from Rigidity 1.9ÂGV to 3ÂTV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 221102.	2.9	238
41	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
42	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
43	Calibration and performance of the AMS-02 time of flight detector in space. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 743, 22-29.	0.7	46
44	Performance, Operational Aspects and Impact on Physics Results of the AMS Tracker. , 2014, , .		0
45	The time of flight detector of the AMS-02 experiment on the international space station. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 478-480.	0.7	6
46	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
47	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
48	ISOTOPIC COMPOSITION OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. Astrophysical Journal, 2011, 736, 105.	1.6	37
49	RELATIVE COMPOSITION AND ENERGY SPECTRA OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. Astrophysical Journal, 2010, 724, 329-340.	1.6	50
50	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
51	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
52	Cosmic-ray astrophysics with the AMS-02 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 255-258.	0.7	4
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	The TOF counters of the AMS-02 experiment: space qualification tests and beam test results. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 276-280.	0.5	4
56	Perfomances and space qualification tests of the AMS time of flight. , 0, , .		1