

Giovanni Gallucc

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,409
citations

516710

16
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

6742
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.8	852
2	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.	7.8	655
3	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.	7.8	428
4	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.	7.8	397
5	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.	7.8	369
6	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.	7.8	295
7	Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 231102.	7.8	238
8	Precision Measurement of the Boron to Carbon Flux Ratio in Cosmic Rays from 1.9ÂGV to 2.6ÂTV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2016, 117, 231102.	7.8	236
9	New Limit on the Lepton-Flavor-Violating Decay $\tau \rightarrow \mu + e + \nu_\tau$. Physical Review Letters, 2011, 107, 171801.	7.8	207
10	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.	7.8	204
11	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.	7.8	172
12	The MEG detector for $\tau \rightarrow \mu + e + \nu_\tau$ decay search. European Physical Journal C, 2013, 73, 1.	3.9	104
13	A limit for the decay from the MEG experiment. Nuclear Physics B, 2010, 834, 1-12.	2.5	84
14	The AMS-02 lead-scintillating fibres Electromagnetic Calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 714, 147-154.	1.6	48
15	Calibration and monitoring of the MEG experiment by a proton beam from a Cockcroftâ€“Walton accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 641, 19-32.	1.6	27
16	The Search for $\tau \rightarrow \mu + e + \nu_\tau$ with 10â€“14 Sensitivity: The Upgrade of the MEG Experiment. Symmetry, 2021, 13, 1591.	1.2	20
17	Measuring the electron neutrino mass with improved sensitivity: the HOLMES experiment. Journal of Instrumentation, 2017, 12, C02046-C02046.	1.2	14
18	High-resolution high-speed microwave-multiplexed low temperature microcalorimeters for the HOLMES experiment. European Physical Journal C, 2019, 79, 1.	3.9	13

#	ARTICLE	IF	CITATIONS
19	Production and separation of ^{163}Ho for nuclear physics experiments. PLoS ONE, 2018, 13, e0200910.	2.5	11
20	A cryogenic facility for testing the PMTs of the MEG liquid xenon calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 294-301.	1.6	7
21	The MEG liquid xenon calorimeter. Journal of Physics: Conference Series, 2009, 160, 012011.	0.4	5
22	Performance of the AMS-02 Electromagnetic Calorimeter in Space. Journal of Physics: Conference Series, 2015, 587, 012028.	0.4	5
23	^{163}Ho Distillation and Implantation for HOLMES Experiment. Journal of Low Temperature Physics, 2019, 194, 453-459.	1.4	5
24	Transition-Edge Sensors for HOLMES. Journal of Low Temperature Physics, 2020, 199, 716-722.	1.4	5
25	A 16 channel frequency-domain-modulation readout system with custom superconducting LC filters for the SWIPE instrument of the balloon-borne LSPE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 184-186.	1.6	3
26	A liquid hydrogen target for the calibration of the MEG and MEG II liquid xenon calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 713-715.	1.6	3
27	Direct Search for Low Energy Nuclear Isomeric Transition of Th-229m With TES Detector. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	2
28	The FDM readout system for the TES bolometers of the SWIPE instrument on the balloon-borne LSPE experiment. Proceedings of SPIE, 2016, , .	0.8	0