

Giuseppe Gallo

List of Publications by Year in descending order

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51
papers

476
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932766

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21
g-index

54
all docs

54
docs citations

54
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Three years of muography at Mount Etna: results and perspectives. Journal of Instrumentation, 2022, 17, C02003.	0.5	0
2	Multiparametric approach to the assessment of muon tomographic results for the inspection of a full-scale container. European Physical Journal Plus, 2021, 136, 1.	1.2	2
3	Electromagnetic Simulations and Measurements of the K-800 Superconducting Cyclotron RF Cavity at INFN-LNS. Applied Sciences (Switzerland), 2021, 11, 5995.	1.3	0
4	Muography as a new complementary tool in monitoring volcanic hazard: implications for early warning systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	1.0	4
5	Improvements of data analysis and self-consistent monitoring methods for the MEV telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162052.	0.7	7
6	New Results from the NUMEN Project. , 2020, , .		0
7	Analysis of two-nucleon transfer reactions in the $^{20}\text{Ne} + ^{116}\text{Cd}$ system at 306 MeV. Physical Review C, 2020, 102, .	1.1	42
8	Muographic monitoring of the volcano-tectonic evolution of Mount Etna. Scientific Reports, 2020, 10, 11351.	1.6	31
9	Analysis of the background on cross section measurements with the MAGNEX spectrometer: The (20Ne, 200) Double Charge Exchange case. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 980, 164500.	0.7	24
10	Neutron radiation effects on an electronic system on module. Review of Scientific Instruments, 2020, 91, 083301.	0.6	7
11	First comparison of GEANT4 hadrontherapy physics model with experimental data for a NUMEN project reaction case. European Physical Journal A, 2020, 56, 1.	1.0	10
12	Investigation of the cosmic ray angular distribution and the East-West effect near the top of Etna volcano with the MEV telescope. European Physical Journal Plus, 2020, 135, 1.	1.2	6
13	Proof-of-Principle of a Cherenkov-Tag Detector Prototype. Sensors, 2020, 20, 3437.	2.1	2
14	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. Journal of Physics: Conference Series, 2020, 1643, 012074.	0.3	1
15	Measurement of single and multiple cosmic muons at high altitudes with the MEV telescope. , 2020, , .		0
16	Background estimate in heavy-ion two-body reactions measured by the MAGNEX spectrometer. Journal of Physics: Conference Series, 2020, 1643, 012019.	0.3	0
17	Recent results on Heavy-Ion induced reactions of interest for ^{210}Po decay. Journal of Physics: Conference Series, 2019, 1308, 012002.	0.3	0
18	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.3	1

#	ARTICLE	IF	CITATIONS
19	New experimental campaign of NUMEN project. AIP Conference Proceedings, 2019, , .	0.3	0
20	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.3	0
21	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ne} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ge} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ elastic and inelastic scattering at 306 MeV. Physical Review C, 2019, 100, .	1.1	36
22	Measurement of nearly horizontal cosmic muons at high altitudes with the MEV telescope. European Physical Journal Plus, 2019, 134, 1.	1.2	2
23	Charge-state distributions of ^{20}Ne ions emerging from thin foils. Results in Physics, 2019, 13, 102191.	2.0	22
24	Feasibility Study of a New Cherenkov Detector for Improving Volcano Muography. Sensors, 2019, 19, 1183.	2.1	8
25	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. EPJ Web of Conferences, 2019, 223, 01009.	0.1	0
26	New results from the NUMEN project. , 2019, , .		0
27	Mini-phoswich and SiPM for heavy ion detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 128-131.	0.7	5
28	The Muon Portal Project: Commissioning of the full detector and first results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 16-19.	0.7	11
29	The nuclear matrix elements of $0^+_{1/2} \rightarrow 2^+_{1/2}$ decay and the NUMEN project at INFN-LNS. EPJ Web of Conferences, 2018, 194, 02001.	0.1	1
30	Post-stripper study for the (^{20}Ne , ^{20}O) double charge exchange reaction at zero degrees with the MAGNEX spectrometer. Journal of Physics: Conference Series, 2018, 1056, 012052.	0.3	0
31	Experimental challenges for the measurement of the $^{116}\text{Cd}(\text{Ne}, \text{O})^{116}\text{Sn}$ double charge exchange reaction at 15 AMeV. Journal of Physics: Conference Series, 2018, 1023, 012006.	0.3	0
32	Data reduction for experimental measurements within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012010.	0.3	0
33	The read-out and data transmission for the MAGNEX focal plane detector for the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012006.	0.3	3
34	Focal plane detector optical readout. Journal of Physics: Conference Series, 2018, 1056, 012023.	0.3	0
35	Measuring nuclear reaction cross sections to extract information on neutrinoless double beta decay. Journal of Physics: Conference Series, 2018, 966, 012021.	0.3	1
36	The Front-end for the new focal plane detector for the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012007.	0.3	0

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37	Experimental challenges in the measurement of double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1078, 012008.	0.3	1
38	Experimental issues for the measurement of the double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012011.	0.3	0
39	Heavy-ion particle identification for the transfer reaction channels for the system $^{18}\text{O} + ^{116}\text{Sn}$ under the NUMEN Project. Journal of Physics: Conference Series, 2018, 1056, 012015.	0.3	0
40	Challenges for high rate signal processing for the NUMEN experiment. Journal of Physics: Conference Series, 2018, 1056, 012034.	0.3	5
41	The NUMEN project: Nuclear Matrix Elements for Neutrinoless double beta decay. European Physical Journal A, 2018, 54, 1.	1.0	146
42	The MEV project: Design and testing of a new high-resolution telescope for muography of Etna Volcano. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 195-201.	0.7	25
43	First Measurement of the $^{116}\text{Cd}(^{20}\text{Ne},^{20}\text{O})^{116}\text{Sn}$ Reaction at 15,5 MeV. Acta Physica Polonica B, 2018, 49, 275.	0.3	37
44	An Innovative Proton Tracking System for Qualification of Particle Beam in Real-Time. IEEE Transactions on Radiation and Plasma Medical Sciences, 2017, 1, 268-274.	2.7	3
45	Design and characterization of a real time particle radiography system based on scintillating optical fibers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 486-489.	0.7	1
46	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2017, , .	0.3	1
47	Study of the new return yoke for the upgraded Superconducting Cyclotron of INFN-LNS. Journal of Physics: Conference Series, 2017, 874, 012098.	0.3	2
48	NURE: An ERC project to study nuclear reactions for neutrinoless double beta decay. , 2017, , .		6
49	QBeRT: an innovative instrument for qualification of particle beam in real-time. Journal of Instrumentation, 2016, 11, C11014-C11014.	0.5	6
50	Design and characterisation of a real time proton and carbon ion radiography system based on scintillating optical fibres. Physica Medica, 2016, 32, 1124-1134.	0.4	14
51	Real-Time Particle Radiography by Means of Scintillating Fibers Tracker and Residual Range Detectors. , 0, , .		0