

# Luigi Cimmino

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

483  
citations

758635

12  
h-index

676716

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

178  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new cylindrical borehole detector for radiographic imaging with muons. <i>Scientific Reports</i> , 2021, 11, 17425.	1.6	8
2	Principles and Perspectives of Radiographic Imaging with Muons. <i>Journal of Imaging</i> , 2021, 7, 253.	1.7	4
3	Multidisciplinary applications of muon radiography using the MIMA detector. <i>Journal of Instrumentation</i> , 2020, 15, C05030-C05030.	0.5	7
4	Muon radiography applied to volcanoes imaging: the MURAVES experiment at Mt. Vesuvius. <i>Journal of Instrumentation</i> , 2020, 15, C03014-C03014.	0.5	14
5	Study of the light response of an arch-shaped scintillator with direct coupling to a Silicon Photomultiplier readout. <i>Journal of Instrumentation</i> , 2019, 14, P01014-P01014.	0.5	2
6	Volcanoes in Italy and the role of muon radiography. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180050.	1.6	11
7	Applications of muon absorption radiography to the fields of archaeology and civil engineering. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180057.	1.6	10
8	3D Muography for the Search of Hidden Cavities. <i>Scientific Reports</i> , 2019, 9, 2974.	1.6	39
9	Tests of a novel imaging algorithm to localize hidden objects or cavities with muon radiography. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180063.	1.6	7
10	Muon Radiography of Ancient Mines: The San Silvestro Archaeo-Mining Park (Campiglia Marittima, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 0,9 18	0.9	18
11	The MURAVES project and other parallel activities on muon absorption radiography. <i>EPJ Web of Conferences</i> , 2018, 182, 02015.	0.1	6
12	The MIMA project. Design, construction and performances of a compact hodoscope for muon radiography applications in the context of archaeology and geophysical prospections. <i>Journal of Instrumentation</i> , 2018, 13, P11001-P11001.	0.5	25
13	Imaging of underground cavities with cosmic-ray muons from observations at Mt. Echia (Naples). <i>Scientific Reports</i> , 2017, 7, 1181.	1.6	76
14	The MURAVES muon telescope: technology and expected performances. <i>Annals of Geophysics</i> , 2017, 60, .	0.5	26
15	The MURAVES telescope front-end electronics and data acquisition. <i>Annals of Geophysics</i> , 2017, 60, .	0.5	19
16	Muography of the Puy de Dôme. <i>Annals of Geophysics</i> , 2017, 60, .	0.5	10
17	A possible point of contact between cosmic ray physics and archaeology: muon absorption radiography at the Tharros Phoenician-Roman site. <i>Annals of Geophysics</i> , 2017, 60, .	0.5	4
18	A Geant4 framework for generic simulations of atmospheric muon detection experiments. <i>Annals of Geophysics</i> , 2017, 60, .	0.5	2

#	ARTICLE	IF	CITATIONS
19	Muography applied to nuclear waste storage sites. <i>Annals of Geophysics</i> , 2017, 60, .	0.5	1
20	Joint measurement of the atmospheric muon flux through the Puy de Dôme volcano with plastic scintillators and Resistive Plate Chambers detectors. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7290-7307.	1.4	62
21	Assessing the feasibility of interrogating nuclear waste storage silos using cosmic-ray muons. <i>Journal of Instrumentation</i> , 2015, 10, T06005-T06005.	0.5	20
22	The MU-RAY project: detector technology and first data from Mt. Vesuvius. <i>Journal of Instrumentation</i> , 2014, 9, C02029-C02029.	0.5	46
23	The MU-RAY detector for muon radiography of volcanoes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 732, 423-426.	0.7	29
24	The MU-RAY experiment. An application of SiPM technology to the understanding of volcanic phenomena. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 718, 134-137.	0.7	36