

# Luigi Cimmino

## List of Publications by Year in descending order

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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	Imaging of underground cavities with cosmic-ray muons from observations at Mt. Echia (Naples). Scientific Reports, 2017, 7, 1181.	1.6	76
2	Joint measurement of the atmospheric muon flux through the Puy de Dôme volcano with plastic scintillators and Resistive Plate Chambers detectors. Journal of Geophysical Research: Solid Earth, 2015, 120, 7290-7307.	1.4	62
3	The MU-RAY project: detector technology and first data from Mt. Vesuvius. Journal of Instrumentation, 2014, 9, C02029-C02029.	0.5	46
4	3D Muography for the Search of Hidden Cavities. Scientific Reports, 2019, 9, 2974.	1.6	39
5	The MU-RAY experiment. An application of SiPM technology to the understanding of volcanic phenomena. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 134-137.	0.7	36
6	The MU-RAY detector for muon radiography of volcanoes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 423-426.	0.7	29
7	The MURAVES muon telescope: technology and expected performances. Annals of Geophysics, 2017, 60, .	0.5	26
8	The MIMA project. Design, construction and performances of a compact hodoscope for muon radiography applications in the context of archaeology and geophysical prospections. Journal of Instrumentation, 2018, 13, P11001-P11001.	0.5	25
9	Assessing the feasibility of interrogating nuclear waste storage silos using cosmic-ray muons. Journal of Instrumentation, 2015, 10, T06005-T06005.	0.5	20
10	The MURAVES telescope front-end electronics and data acquisition. Annals of Geophysics, 2017, 60, .	0.5	19
11	Muon Radiography of Ancient Mines: The San Silvestro Archaeo-Mining Park (Campiglia Marittima, Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	18
12	Muon radiography applied to volcanoes imaging: the MURAVES experiment at Mt. Vesuvius. Journal of Instrumentation, 2020, 15, C03014-C03014.	0.5	14
13	Volcanoes in Italy and the role of muon radiography. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180050.	1.6	11
14	Applications of muon absorption radiography to the fields of archaeology and civil engineering. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180057.	1.6	10
15	Muography of the Puy de Dôme. Annals of Geophysics, 2017, 60, .	0.5	10
16	A new cylindrical borehole detector for radiographic imaging with muons. Scientific Reports, 2021, 11, 17425.	1.6	8
17	Tests of a novel imaging algorithm to localize hidden objects or cavities with muon radiography. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180063.	1.6	7
18	Multidisciplinary applications of muon radiography using the MIMA detector. Journal of Instrumentation, 2020, 15, C05030-C05030.	0.5	7

#	ARTICLE	IF	CITATIONS
19	The MURAVES project and other parallel activities on muon absorption radiography. EPJ Web of Conferences, 2018, 182, 02015.	0.1	6
20	A possible point of contact between cosmic ray physics and archaeology: muon absorption radiography at the Tharros Phoenician-Roman site. Annals of Geophysics, 2017, 60, .	0.5	4
21	Principles and Perspectives of Radiographic Imaging with Muons. Journal of Imaging, 2021, 7, 253.	1.7	4
22	Study of the light response of an arch-shaped scintillator with direct coupling to a Silicon Photomultiplier readout. Journal of Instrumentation, 2019, 14, P01014-P01014.	0.5	2
23	A Geant4 framework for generic simulations of atmospheric muon detection experiments. Annals of Geophysics, 2017, 60, .	0.5	2
24	Muography applied to nuclear waste storage sites. Annals of Geophysics, 2017, 60, .	0.5	1