

# Maurizio Spurio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6557902/publications.pdf>

Version: 2024-02-01

226  
papers

10,888  
citations

41258

49  
h-index

34900

98  
g-index

232  
all docs

232  
docs citations

232  
times ranked

10574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . Astrophysical Journal Letters, 2017, 848, L12.	3.0	2,805
2	Letter of intent for KM3NeT 2.0. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 084001.	1.4	512
3	ANTARES: The first undersea neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 656, 11-38.	0.7	441
4	Measurement of the atmospheric neutrino-induced upgoing muon flux using MACRO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 451-457.	1.5	315
5	Final results of magnetic monopole searches with the MACRO experiment. European Physical Journal C, 2002, 25, 511-522.	1.4	158
6	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ II. New FRB discoveries and their follow-up. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1427-1446.	1.6	156
7	Matter effects in upward-going muons and sterile neutrino oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 59-66.	1.5	151
8	Vertical muon intensity measured with MACRO at the Gran Sasso laboratory. Physical Review D, 1995, 52, 3793-3802.	1.6	149
9	The data acquisition system for the ANTARES neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 107-116.	0.7	138
10	First supermodule of the MACRO detector at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 337-362.	0.7	137
11	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	3.0	135
12	Seasonal variations in the underground muon intensity as seen by MACRO. Astroparticle Physics, 1997, 7, 109-124.	1.9	107
13	SEARCH FOR COSMIC NEUTRINO POINT SOURCES WITH FOUR YEARS OF DATA FROM THE ANTARES TELESCOPE. Astrophysical Journal, 2012, 760, 53.	1.6	104
14	Transmission of light in deep sea water at the site of the Antares neutrino telescope. Astroparticle Physics, 2005, 23, 131-155.	1.9	101
15	Measurements of atmospheric muon neutrino oscillations, global analysis of the data collected with MACRO detector. European Physical Journal C, 2004, 36, 323-339.	1.4	100
16	First results of the Instrumentation Line for the deep-sea ANTARES neutrino telescope. Astroparticle Physics, 2006, 26, 314-324.	1.9	99
17	Atmospheric neutrino oscillations from upward throughgoing muon multiple scattering in MACRO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 566, 35-44.	1.5	97
18	Atmospheric MUons from PArametric formulas: a fast GEnerator for neutrino telescopes (MUPAGE). Computer Physics Communications, 2008, 179, 915-923.	3.0	93

#	ARTICLE	IF	CITATIONS
19	The physics programme of the MoEDAL experiment at the LHC. International Journal of Modern Physics A, 2014, 29, 1430050.	0.5	93
20	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	1.6	92
21	SEARCHES FOR POINT-LIKE AND EXTENDED NEUTRINO SOURCES CLOSE TO THE GALACTIC CENTER USING THE ANTARES NEUTRINO TELESCOPE. Astrophysical Journal Letters, 2014, 786, L5.	3.0	88
22	Time calibration of the ANTARES neutrino telescope. Astroparticle Physics, 2011, 34, 539-549.	1.9	85
23	Atmospheric neutrino flux measurement using upgoing muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 481-486.	1.5	83
24	A fast algorithm for muon track reconstruction and its application to the ANTARES neutrino telescope. Astroparticle Physics, 2011, 34, 652-662.	1.9	80
25	Limits on dark matter annihilation in the sun using the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 69-74.	1.5	78
26	Low energy atmospheric muon neutrinos in MACRO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 5-13.	1.5	73
27	The cosmic ray primary composition between 1015 and 1016 eV from Extensive Air Showers electromagnetic and TeV muon data. Astroparticle Physics, 2004, 20, 641-652.	1.9	71
28	Study of large hemispherical photomultiplier tubes for the ANTARES neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 132-141.	0.7	71
29	Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. Astroparticle Physics, 2019, 111, 100-110.	1.9	71
30	Neutrino Astronomy with the MACRO Detector. Astrophysical Journal, 2001, 546, 1038-1054.	1.6	65
31	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. Astrophysical Journal Letters, 2018, 868, L20.	3.0	64
32	A parameterisation of single and multiple muons in the deep water or ice. Astroparticle Physics, 2006, 25, 1-13.	1.9	63
33	Measurement of atmospheric neutrino oscillations with the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 224-230.	1.5	63
34	Deep seawater inherent optical properties in the Southern Ionian Sea. Astroparticle Physics, 2007, 27, 1-9.	1.9	62
35	The ANTARES optical beacon system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 498-509.	0.7	61
36	First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. Physical Review D, 2017, 96, .	1.6	60

#	ARTICLE	IF	CITATIONS
37	Search for a diffuse flux of high-energy $\mu$ with the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 686-1633.	1.5	59
38	AMADEUS – The acoustic neutrino detection test system of the ANTARES deep-sea neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, 128-143.	0.7	58
39	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. PLoS ONE, 2013, 8, e67523.	1.1	58
40	Search for muon neutrinos from gamma-ray bursts with the ANTARES neutrino telescope using 2008 to 2011 data. Astronomy and Astrophysics, 2013, 559, A9.	2.1	57
41	Zenith distribution and flux of atmospheric muons measured with the 5-line ANTARES detector. Astroparticle Physics, 2010, 34, 179-184.	1.9	53
42	Search for the sidereal and solar diurnal modulations in the total MACRO muon data set. Physical Review D, 2003, 67, .	1.6	52
43	Status of Searches for Magnetic Monopoles. Annual Review of Nuclear and Particle Science, 2015, 65, 279-302.	3.5	52
44	Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 249-254.	1.5	52
45	Sedimentation and fouling of optical surfaces at the ANTARES site. Astroparticle Physics, 2003, 19, 253-267.	1.9	51
46	Performance of the front-end electronics of the ANTARES neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 59-73.	0.7	51
47	Measurement of the atmospheric $\mu$ energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. European Physical Journal C, 2013, 73, 1.	1.4	51
48	The macro detector at the Gran Sasso Laboratory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 264, 18-23.	0.7	50
49	Recent achievements of the NEMO project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 111-118.	0.7	50
50	Fragmentation cross sections of Fe <sup>26+</sup> , Si <sup>14+</sup> and C <sup>6+</sup> ions of $0.3 \leq E < 10$ on polyethylene, CR39 and aluminum targets. Nuclear Physics A, 2008, 807, 206-213.	0.6	50
51	THE FIRST COMBINED SEARCH FOR NEUTRINO POINT-SOURCES IN THE SOUTHERN HEMISPHERE WITH THE ANTARES AND ICECUBE NEUTRINO TELESCOPES. Astrophysical Journal, 2016, 823, 65.	1.6	49
52	The positioning system of the ANTARES Neutrino Telescope. Journal of Instrumentation, 2012, 7, T08002-T08002.	0.5	48
53	Search for Magnetic Monopoles with the MoEDAL Forward Trapping Detector in 13.6 TeV Proton-Proton Collisions at the LHC. Physical Review Letters, 2017, 118, 061801.	2.9	48
54	The cosmic ray proton, helium and CNO fluxes in the 100 TeV energy region from TeV muons and EAS atmospheric Cherenkov light observations of MACRO and EAS-TOP. Astroparticle Physics, 2004, 21, 223-240.	1.9	47

#	ARTICLE	IF	CITATIONS
55	Performance of the first ANTARES detector line. <i>Astroparticle Physics</i> , 2009, 31, 277-283.	1.9	47
56	High-energy astrophysics with neutrino telescopes. <i>European Physical Journal C</i> , 2010, 65, 649-701.	1.4	47
57	Deep sea tests of a prototype of the KM3NeT digital optical module. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	46
58	A polarized fast radio burst at low Galactic latitude. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	45
59	Study of penetrating cosmic ray muons and search for large scale anisotropies at the Gran Sasso Laboratory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 249, 149-156.	1.5	44
60	Bulk etch rate measurements and calibrations of plastic nuclear track detectors. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 254, 254-258.	0.6	44
61	Magnetic monopole search at high altitude with the SLIM experiment. <i>European Physical Journal C</i> , 2008, 55, 57-63.	1.4	44
62	FIRST SEARCH FOR POINT SOURCES OF HIGH-ENERGY COSMIC NEUTRINOS WITH THE ANTARES NEUTRINO TELESCOPE. <i>Astrophysical Journal Letters</i> , 2011, 743, L14.	3.0	43
63	Search for relativistic magnetic monopoles with the ANTARES neutrino telescope. <i>Astroparticle Physics</i> , 2012, 35, 634-640.	1.9	43
64	Search for magnetic monopoles with the MoEDAL prototype trapping detector in 8 TeV proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	41
65	All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. <i>Astrophysical Journal Letters</i> , 2018, 853, L7.	3.0	41
66	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017, 96, .	1.6	40
67	The ANTARES telescope neutrino alert system. <i>Astroparticle Physics</i> , 2012, 35, 530-536.	1.9	39
68	Magnetic Monopole Search with the Full MoEDAL Trapping Detector in $13\text{ TeV}$ $p\bar{p}$ Collisions Interpreted in Photon-Fusion and Drell-Yan Production. <i>Physical Review Letters</i> , 2019, 123, 021802.	2.9	38
69	Study of the ultrahigh-energy primary-cosmic-ray composition with the MACRO experiment. <i>Physical Review D</i> , 1992, 46, 895-902.	1.6	37
70	Results of the search for strange quark matter and Q-balls with the SLIM experiment. <i>European Physical Journal C</i> , 2008, 57, 525-533.	1.4	37
71	On the IceCube spectral anomaly. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 045-045.	1.9	37
72	The observation of up-going charged particles produced by high energy muons in underground detectors. <i>Astroparticle Physics</i> , 1998, 9, 105-117.	1.9	36

#	ARTICLE	IF	CITATIONS
73	Search for a Lorentz invariance violation contribution in atmospheric neutrino oscillations using MACRO data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 615, 14-18.	1.5	36
74	Search for diffuse neutrino flux from astrophysical sources with MACRO. <i>Astroparticle Physics</i> , 2003, 19, 1-13.	1.9	35
75	Status of NEMO. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 567, 444-451.	0.7	35
76	Atmospheric muons: experimental aspects. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2012, 1, 185-196.	0.6	35
77	Constraints on the neutrino emission from the Galactic Ridge with the ANTARES telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 143-148.	1.5	35
78	Search for Magnetic Monopoles at the Tevatron Collider. <i>Europhysics Letters</i> , 1990, 12, 613-616.	0.7	34
79	Study of the primary cosmic ray composition around the knee of the energy spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 337, 376-382.	1.5	34
80	Long-term measurements of acoustic background noise in very deep sea. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 604, S149-S157.	0.7	34
81	Measurement of the atmospheric muon flux with a 4GeV threshold in the ANTARES neutrino telescope. <i>Astroparticle Physics</i> , 2010, 33, 86-90.	1.9	34
82	New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. <i>Physical Review D</i> , 2017, 96, .	1.6	33
83	Search for magnetic monopoles with the MoEDAL forward trapping detector in 2.11 fb <sup>-1</sup> of 13 TeV proton-proton collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 782, 510-516.	1.5	33
84	Search for nuclearites using the MACRO detector. <i>Physical Review Letters</i> , 1992, 69, 1860-1863.	2.9	32
85	Measurement of the residual energy of muons in the Gran Sasso underground laboratories. <i>Astroparticle Physics</i> , 2003, 19, 313-328.	1.9	32
86	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 008-008.	1.9	32
87	The prototype detection unit of the KM3NeT detector. <i>European Physical Journal C</i> , 2016, 76, 1.	1.4	32
88	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134.	1.6	32
89	Fragmentation cross sections of 158AGeV Pb ions in various targets measured with CR39 nuclear track detectors. <i>Nuclear Physics A</i> , 2002, 707, 513-524.	0.6	30
90	Search of dark matter annihilation in the galactic centre using the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 068-068.	1.9	30

#	ARTICLE	IF	CITATIONS
91	Measurement of the decoherence function with the MACRO detector at Gran Sasso. <i>Physical Review D</i> , 1992, 46, 4836-4845.	1.6	29
92	Fragmentation cross sections and search for nuclear fragments with fractional charge in relativistic heavy ion collisions. <i>Astroparticle Physics</i> , 1993, 1, 369-376.	1.9	29
93	Search for slowly moving magnetic monopoles with the MACRO detector. <i>Physical Review Letters</i> , 1994, 72, 608-612.	2.9	29
94	Moon and Sun shadowing effect in the MACRO detector. <i>Astroparticle Physics</i> , 2003, 20, 145-156.	1.9	29
95	Search for nucleon decays induced by GUT magnetic monopoles with the MACRO experiment. <i>European Physical Journal C</i> , 2002, 26, 163-172.	1.4	28
96	Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles. <i>Astroparticle Physics</i> , 2013, 42, 7-14.	1.9	28
97	Muon astronomy with the MACRO detector. <i>Astrophysical Journal</i> , 1993, 412, 301.	1.6	28
98	Magnetic monopole search with the MACRO detector at Gran Sasso. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 406, 249-255.	1.5	27
99	Measurement of the energy spectrum of underground muons at Gran Sasso with a transition radiation detector. <i>Astroparticle Physics</i> , 1999, 10, 11-20.	1.9	27
100	Search for high-energy neutrinos from bright GRBs with ANTARES. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 906-915.	1.6	27
101	Performance of the MACRO streamer tube system in the search for magnetic monopoles. <i>Astroparticle Physics</i> , 1995, 4, 33-43.	1.9	26
102	High energy cosmic ray physics with underground muons in MACRO. II. Primary spectra and composition. <i>Physical Review D</i> , 1997, 56, 1418-1436.	1.6	26
103	A search for Secluded Dark Matter in the Sun with the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 016-016.	1.9	26
104	Search for neutrino bursts from collapsing stars with the MACRO detector. <i>Astroparticle Physics</i> , 1992, 1, 11-25.	1.9	25
105	A search for neutrino emission from the Fermi bubbles with the ANTARES telescope. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	25
106	Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. <i>Journal of Instrumentation</i> , 2018, 13, P05035-P05035.	0.5	25
107	Search for highly ionizing particles in $e^+e^-$ annihilations at $\sqrt{s}=91.1\text{ GeV}$ . <i>Physical Review D</i> , 1992, 46, R881-R884.	1.6	24
108	Measurement of the atmospheric muon flux with the NEMO Phase-1 detector. <i>Astroparticle Physics</i> , 2010, 33, 263-273.	1.9	24

#	ARTICLE	IF	CITATIONS
109	The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. <i>Astrophysical Journal Letters</i> , 2018, 863, L30.	3.0	24
110	Improvements in the CR39 polymer for the macro experiment at the Gran Sasso Laboratory. <i>International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements</i> , 1991, 19, 641-646.	0.6	22
111	Recent results and perspectives of the NEMO project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 602, 47-53.	0.7	22
112	Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	22
113	Measurement of the atmospheric muon depth intensity relation with the NEMO Phase-2 tower. <i>Astroparticle Physics</i> , 2015, 66, 1-7.	1.9	21
114	Optical and X-ray early follow-up of ANTARES neutrino alerts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 062-062.	1.9	21
115	Sensitivity of an underwater Čerenkov km <sup>3</sup> telescope to TeV neutrinos from Galactic microquasars. <i>Astroparticle Physics</i> , 2007, 28, 1-9.	1.9	20
116	The Data Acquisition and Transport Design for NEMO Phase 1. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 233-240.	1.2	20
117	First results on dark matter annihilation in the Sun using the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 032-032.	1.9	20
118	Sperm whale long-range echolocation sounds revealed by ANTARES, a deep-sea neutrino telescope. <i>Scientific Reports</i> , 2017, 7, 45517.	1.6	20
119	Dependence of atmospheric muon flux on seawater depth measured with the first KM3NeT detection units. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	20
120	Simultaneous observation of extensive air showers and deep-underground muons at the Gran Sasso Laboratory. <i>Physical Review D</i> , 1990, 42, 1396-1403.	1.6	19
121	The NEMO project: A status report. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 626-627, S25-S29.	0.7	19
122	Search for neutrino emission from gamma-ray flaring blazars with the ANTARES telescope. <i>Astroparticle Physics</i> , 2012, 36, 204-210.	1.9	19
123	Constraints to a Galactic component of the Ice Cube cosmic neutrino flux from ANTARES. <i>Physical Review D</i> , 2014, 90, .	1.6	19
124	Search for dark matter annihilation in the earth using the ANTARES neutrino telescope. <i>Physics of the Dark Universe</i> , 2017, 16, 41-48.	1.8	19
125	The performance of MACRO liquid scintillator in the search for magnetic monopoles with $10^{-3} < \hat{I}^2 < 1$ . <i>Astroparticle Physics</i> , 1997, 6, 113-128.	1.9	18
126	Muon energy estimate through multiple scattering with the MACRO detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 492, 376-386.	0.7	18



#	ARTICLE	IF	CITATIONS
127	KM3NeT front-end and readout electronics system: hardware, firmware, and software. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.0	18
128	Multiplicity distributions of charged hadrons produced in (anti)neutrino-deuterium charged- and neutral-current interactions. <i>Il Nuovo Cimento A</i> , 1989, 101, 435-453.	0.2	17
129	High energy cosmic ray physics with underground muons in MACRO. I. Analysis methods and experimental results. <i>Physical Review D</i> , 1997, 56, 1407-1417.	1.6	17
130	Real time supernova neutrino burst detection with MACRO. <i>Astroparticle Physics</i> , 1998, 8, 123-133.	1.9	17
131	Search for lightly ionizing particles with the MACRO detector. <i>Physical Review D</i> , 2000, 62, .	1.6	17
132	Fragmentation studies of high-energy ions using CR39 nuclear track detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 580, 58-61.	0.7	16
133	Procedures and results of the measurements on large area photomultipliers for the NEMO project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 614, 206-212.	0.7	16
134	Measuring the atmospheric neutrino oscillation parameters and constraining the 3+1 neutrino model with ten years of ANTARES data. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	16
135	Search for intermediate mass magnetic monopoles and nuclearites with the SLIM experiment. <i>Radiation Measurements</i> , 2005, 40, 405-409.	0.7	15
136	Acoustic and optical variations during rapid downward motion episodes in the deep north-western Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 875-884.	0.6	15
137	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. <i>Journal of Instrumentation</i> , 2013, 8, T03006-T03006.	0.5	15
138	ANTARES constrains a blazar origin of two IceCube PeV neutrino events. <i>Astronomy and Astrophysics</i> , 2015, 576, L8.	2.1	15
139	Bose-Einstein correlations in neutrino and antineutrino interactions in deuterium. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988, 37, 527-533.	1.5	14
140	Arrival time distributions of very high energy cosmic ray muons in MACRO. <i>Nuclear Physics B</i> , 1992, 370, 432-444.	0.9	14
141	NEMO: Status of the Project. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 136, 61-68.	0.5	14
142	An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. <i>Astronomical Journal</i> , 2017, 154, 275.	1.9	14
143	The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. <i>European Physical Journal C</i> , 2018, 78, 1006.	1.4	14
144	Neutrino Telescopes and High-Energy Cosmic Neutrinos. <i>Universe</i> , 2020, 6, 30.	0.9	14

#	ARTICLE	IF	CITATIONS
145	Calibration of the Makrofolâ€“DE nuclear track detector using relativistic lead ions. Radiation Measurements, 2005, 40, 433-436.	0.7	13
146	Studies of a full-scale mechanical prototype line for the ANTARES neutrino telescope and tests of a prototype instrument for deep-sea acoustic measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 695-708.	0.7	13
147	First search for neutrinos in correlation with gamma-ray bursts with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 006-006.	1.9	13
148	All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the AntaresÂneutrino telescope. European Physical Journal C, 2017, 77, 1.	1.4	13
149	SEARCH FOR A CORRELATION BETWEEN ANTARES NEUTRINOS AND PIERRE AUGER OBSERVATORY UHECRs ARRIVAL DIRECTIONS. Astrophysical Journal, 2013, 774, 19.	1.6	12
150	Inertial bioluminescence rhythms at the Capo Passero (KM3NeT-Italia) site, Central Mediterranean Sea. Scientific Reports, 2017, 7, 44938.	1.6	12
151	NEMO: A PROJECT FOR A KM3 UNDERWATER DETECTOR FOR ASTROPHYSICAL NEUTRINOS IN THE MEDITERRANEAN SEA. International Journal of Modern Physics A, 2007, 22, 3509-3520.	0.5	11
152	Long term monitoring of the optical background in the Capo Passero deep-sea site with the NEMO tower prototype. European Physical Journal C, 2016, 76, 1.	1.4	11
153	An algorithm for the reconstruction of high-energy neutrino-induced particle showers and its application to the ANTARES neutrino telescope. European Physical Journal C, 2017, 77, 419.	1.4	11
154	ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis. Astrophysical Journal, 2021, 911, 48.	1.6	11
155	Long-term monitoring of the ANTARES optical module efficiencies using $^{40}\text{K}$ decays in sea water. European Physical Journal C, 2018, 78, 1.	1.4	10
156	A combined analysis technique for the search for fast magnetic monopoles with the MACRO detector. Astroparticle Physics, 2002, 18, 27-41.	1.9	9
157	Search for cosmic ray sources using muons detected by the MACRO experiment. Astroparticle Physics, 2003, 18, 615-627.	1.9	9
158	Search for stellar gravitational collapses with the MACRO detector. European Physical Journal C, 2004, 37, 265-272.	1.4	9
159	Searches for clustering in the time integrated skymap of the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 001-001.	1.9	9
160	A search for time dependent neutrino emission from microquasars with the ANTARES telescope. Journal of High Energy Astrophysics, 2014, 3-4, 9-17.	2.4	9
161	Search for muon-neutrino emission from GeV and TeV gamma-ray flaring blazars using five years of data of the ANTARES telescope. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 014-014.	1.9	9
162	MURCHISON WIDEFIELD ARRAY LIMITS ON RADIO EMISSION FROM ANTARES NEUTRINO EVENTS. Astrophysical Journal Letters, 2016, 820, L24.	3.0	9

#	ARTICLE	IF	CITATIONS
163	Search for relativistic magnetic monopoles with five years of the ANTARES detector data. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
164	Calibration of the intercast CR39. Nuclear Tracks and Radiation Measurements (1993), 1993, 22, 555-558.	0.1	8
165	The optical modules of the phase-2 of the NEMO project. Journal of Instrumentation, 2013, 8, P07001-P07001.	0.5	8
166	Constraining the neutrino emission of gravitationally lensed Flat-Spectrum Radio Quasars with ANTARES data. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 017-017.	1.9	8
167	Euclid Near Infrared Spectrometer and Photometer instrument concept and first test results obtained for different breadboards models at the end of phase C. Proceedings of SPIE, 2016, , .	0.8	8
168	A method to stabilise the performance of negatively fed KM3NeT photomultipliers. Journal of Instrumentation, 2016, 11, P12014-P12014.	0.5	8
169	Time-dependent search for neutrino emission from X-ray binaries with the ANTARES telescope. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 019-019.	1.9	8
170	Stacked search for time shifted high energy neutrinos from gamma ray bursts with the Antares neutrino telescope. European Physical Journal C, 2017, 77, 1.	1.4	8
171	The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. Monthly Notices of the Royal Astronomical Society, 2019, 482, 184-193.	1.6	8
172	Status and first results of the NEMO Phase-2 tower. Journal of Instrumentation, 2014, 9, C03045-C03045.	0.5	7
173	A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. Astrophysical Journal, 2019, 886, 98.	1.6	6
174	Search for Neutrinos from the Tidal Disruption Events AT2019dsg and AT2019fdr with the ANTARES Telescope. Astrophysical Journal, 2021, 920, 50.	1.6	6
175	An update of the generator of atmospheric muons from parametric formulas (MUPAGE). Computer Physics Communications, 2010, 181, 835-836.	3.0	5
176	Time calibration with atmospheric muon tracks in the ANTARES neutrino telescope. Astroparticle Physics, 2016, 78, 43-51.	1.9	5
177	ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. Astrophysical Journal, 2019, 879, 108.	1.6	5
178	Measurement of the group velocity of light in sea water at the ANTARES site. Astroparticle Physics, 2012, 35, 552-557.	1.9	4
179	Time correlations of high energy muons in an underground detector. Astroparticle Physics, 2005, 23, 341-348.	1.9	3
180	Status of the NEMO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 503-504.	0.7	3

#	ARTICLE	IF	CITATIONS
181	MUons from PArametric formulas: A fast GEnerator of atmospheric $\mu$ -bundles for neutrino telescopes (MUPAGE). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 95-97.	0.7	3
182	KM3NeT: An underwater multi-km <sup>3</sup> neutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 692, 53-57.	0.7	3
183	Underwater acoustic positioning system for the SMO and KM3NeT - Italia projects. , 2014, , .		3
184	The trigger and data acquisition for the NEMO-Phase 2 tower. , 2014, , .		3
185	Results from the ANTARES Neutrino Telescope. Nuclear and Particle Physics Proceedings, 2017, 291-293, 175-182.	0.2	3
186	Search for fractionally charged particles in (anti)neutrino-deuterium interactions. Physical Review D, 1988, 37, 219-221.	1.6	2
187	Measurement of indoor radon levels in the Bologna metropolitan area. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1991, 19, 297-298.	0.6	2
188	Coincident observation of air $\mu$ -Eerenkov light by a surface array and muon bundles by a deep underground detector. Physical Review D, 1994, 50, 3046-3058.	1.6	2
189	Search for SQM in cosmic rays at high altitude laboratories. Journal of Physics: Conference Series, 2006, 39, 194-196.	0.3	2
190	Time variations in the deep underground muon flux. Europhysics Letters, 2009, 87, 39001.	0.7	2
191	A method for detection of muon induced electromagnetic showers with the ANTARES detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 675, 56-62.	0.7	2
192	Results from the ANTARES Neutrino Telescope with Six Years of Data. Physics Procedia, 2015, 61, 450-458.	1.2	2
193	Model-independent search for neutrino sources with the ANTARES neutrino telescope. Astroparticle Physics, 2020, 114, 35-47.	1.9	2
194	Performance of the MACRO detector at gran sasso: Moon shadow and seasonal variations. Nuclear Physics, Section B, Proceedings Supplements, 1998, 61, 180-184.	0.5	1
195	Calibrations of CR39 and Makrofol nuclear track detectors and search for exotic particles. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 217-221.	0.5	1
196	A parameterisation of the flux and energy spectrum of single and multiple muons in the deep water or ice. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 492-494.	0.7	1
197	ANTARES NEUTRINO TELESCOPE: STATUS, FIRST RESULTS AND SENSITIVITY FOR THE DIFFUSE NEUTRINO FLUX. International Journal of Modern Physics D, 2009, 18, 1615-1619.	0.9	1
198	Messengers of the universe. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 377-382.	0.5	1

#	ARTICLE	IF	CITATIONS
199	Long-term optical background measurements in the Capo Passero deep-sea site. , 2014, , .		1
200	Results from the ANTARES neutrino telescope. EPJ Web of Conferences, 2016, 116, 11006.	0.1	1
201	Detailed design and first tests of the application software for the instrument control unit of Euclid-NISP. Proceedings of SPIE, 2016, , .	0.8	1
202	Search for sterile neutrinos in muon neutrino disappearance mode at FNAL. European Physical Journal C, 2017, 77, 1.	1.4	1
203	MACRO AND THE ATMOSPHERIC NEUTRINO PROBLEM. , 2001, , .		1
204	Status report of the macro experiment at gran sasso. Nuclear Physics, Section B, Proceedings Supplements, 1990, 13, 368-371.	0.5	0
205	First results from the MACRO detector at the Gran Sasso Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 1990, 16, 486-487.	0.5	0
206	First results from the MACRO experiment at the Gran Sasso Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 1991, 19, 128-137.	0.5	0
207	Cosmic ray search for strange quark matter with the macro detector. Nuclear Physics, Section B, Proceedings Supplements, 1991, 24, 191-194.	0.5	0
208	Search for stellar gravitational collapse by MACRO: Characteristics and results. Nuclear Physics, Section B, Proceedings Supplements, 1992, 28, 61-64.	0.5	0
209	Measurement of electromagnetic and TEV muon components of extensive air showers by eas-top and MACRO experiments. Nuclear Physics, Section B, Proceedings Supplements, 1992, 28, 393-396.	0.5	0
210	Muon astrophysics with the MACRO detector. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 229-234.	0.5	0
211	Search for massive rare particles with the MACRO detector at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 221-226.	0.5	0
212	Neutrino physics and astrophysics with the MACRO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 462.	0.5	0
213	Timing calibration for the NEMO (NEutrino Mediterranean Observatory) prototype. , 2007, , .		0
214	Measurement of the atmospheric muon flux at 3500 m depth with the NEMO Phase-2 detector. EPJ Web of Conferences, 2016, 121, 05015.	0.1	0
215	ANTARES constraints on a Galactic component of the IceCube cosmic neutrino flux. EPJ Web of Conferences, 2016, 121, 05007.	0.1	0
216	Status of the ANTARES Experiment. Springer Proceedings in Physics, 2004, , 915-923.	0.1	0

#	ARTICLE	IF	CITATIONS
217	APPLICATION OF NUCLEAR TRACK DETECTORS IN ASTROPARTICLE AND NUCLEAR PHYSICS. , 2006, , .		0
218	The NEutrino Mediterranean Observatory (NEMO) Project. , 2007, , .		0
219	Rare particle search with the high altitude SLIM experiment. , 2007, , .		0
220	The ANTARES neutrino telescope. , 2011, , .		0
221	Gamma-rays, Neutrinos and Particle Astronomy as Messengers of the Universe. Acta Polytechnica CTU Proceedings, 2014, 1, 13-19.	0.3	0
222	NEUTRINO PHYSICS AND ASTROPHYSICS WITH THE ANTARES NEUTRINO TELESCOPE. , 2015, , .		0
223	Antares. , 2016, , .		0
224	Future neutrino + Extensive Air Shower challenges. , 2017, , .		0
225	The application software of the instrument control unit of Euclid-NISP: ready for qualification tests. , 2018, , .		0
226	Overview of ANTARES neutrino telescope: multimessenger results. , 2019, , .		0