Walter Fulgione

List of Publications by Year
in descending order

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226 papers	14,886 citations	34105 52 h-index	18130 120 g-index
230 all docs	230 docs citations	230 times ranked	10262 citing authors

#	Article	IF	Citations
1	Dark Matter Search Results from a One Ton-Year Exposure of XENON1T. Physical Review Letters, 2018, 121, 111302.	7.8	1,517
2	Dark Matter Results from 225 Live Days of XENON100 Data. Physical Review Letters, 2012, 109, 181301.	7.8	1,175
3	First Dark Matter Search Results from the XENON1T Experiment. Physical Review Letters, 2017, 119, 181301.	7.8	757
4	Properties and performance of the prototype instrument for the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 50-95.	1.6	647
5	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	12.6	647
6	Observation of the Suppression of the Flux of Cosmic Rays above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>4</mml:mn><mml:mo>Ã—</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mn>19</mml:mn></mml: Physical Review Letters, 2008, 101, 061101.	7.8	500
7	The Pierre Auger Cosmic Ray Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 798, 172-213.	1.6	442
8	Measurement of the Depth of Maximum of Extensive Air Showers above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>10</mml:mn><mml:mn>18</mml:mn></mml:msup><mml:mtext>â€‰</mml:mtext><mml:mt Physical Review Letters, 2010, 104, 091101.	7.8	429
9	Measurement of the energy spectrum of cosmic rays above 1018 eV using the Pierre Auger Observatory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 239-246.	4.1	357
10	Light Dark Matter Search with Ionization Signals in XENON1T. Physical Review Letters, 2019, 123, 251801.	7.8	344
11	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	4.3	305
12	Excess electronic recoil events in XENON1T. Physical Review D, 2020, 102, .	4.7	302
13	DARWIN: towards the ultimate dark matter detector. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 017-017.	5.4	288
14	The fluorescence detector of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 227-251.	1.6	275
15	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. Astroparticle Physics, 2010, 34, 314-326.	4.3	270
16	Physics reach of the XENON1T dark matter experiment.. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 027-027.	5.4	246
17	Limits on Spin-Dependent WIMP-Nucleon Cross Sections from 225 Live Days of XENON100 Data. Physical Review Letters, 2013, 111, 021301.	7.8	218
18	Experimental Study of Atmospheric Neutrino Flux in the NUSEX Experiment. Europhysics Letters, 1989, 8, 611-614.	2.0	205

#	Article	IF	Citations
19	On the Event Observed in the Mont Blanc Underground Neutrino Observatory during the Occurrence of Supernova 1987 a. Europhysics Letters, 1987, 3, 1315-1320.	2.0	195
20	SNEWS: the SuperNova Early Warning System. New Journal of Physics, 2004, 6, 114-114.	2.9	185
21	Constraining the Spin-Dependent WIMP-Nucleon Cross Sections with XENON1T. Physical Review Letters, 2019, 122, 141301.	7.8	183
22	Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. Astroparticle Physics, 2008, 29, 243-256.	4.3	161
23	Projected WIMP sensitivity of the XENONnT dark matter experiment. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 031-031.	5.4	159
24	Search for Light Dark Matter Interactions Enhanced by the Migdal Effect or Bremsstrahlung in XENON1T. Physical Review Letters, 2019, 123, 241803.	7.8	158
25	The XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	3.9	157
26	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 29-39.	1.6	151
27	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	7.8	141
28	The EAS size spectrum and the cosmic ray energy spectrum in the region 1015â€“1016 eV. Astroparticle Physics, 1999, 10, 1-9.	4.3	131
29	EVOLUTION OF THE COSMIC-RAY ANISOTROPY ABOVE 10 ¹⁴ eV. Astrophysical Journal, 2009, 692, L130-L133.	4.5	118
30	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. Astroparticle Physics, 2009, 31, 399-406.	4.3	117
31	First axion results from the XENON100 experiment. Physical Review D, 2014, 90, .	4.7	108
32	The most powerful scintillator supernovae detector: LVD. Il Nuovo Cimento A, 1992, 105, 1793-1804.	0.2	107
33	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. Physical Review D, 2009, 79, .	4.7	99
34	XENON100 dark matter results from a combination of 477 live days. Physical Review D, 2016, 94, .	4.7	92
35	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. Astroparticle Physics, 2007, 27, 155-168.	4.3	90
36	Muon â€œdepth-intensityâ€•relation measured by the LVD underground experiment and cosmic-ray muon spectrum at sea level. Physical Review D, 1998, 58, .	4.7	89

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37	Observation of two-neutrino double electron capture in 124Xe with XENON1T. Nature, 2019, 568, 532-535.	27.8	89
38	Low-mass dark matter search using ionization signals in XENON100. Physical Review D, 2016, 94, .	4.7	86
39	A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. Astroparticle Physics, 2010, 33, 108-129.	4.3	84
40	The cosmic ray primary composition in the â€œkneeâ€•region through the EAS electromagnetic and muon measurements at EAS-TOP. Astroparticle Physics, 2004, 21, 583-596.	4.3	81
41	UHE cosmic ray event reconstruction by the electromagnetic detector of EAS-TOP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 336, 310-321.	1.6	78
42	Observation and applications of single-electron charge signals in the XENON100 experiment. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 035201.	3.6	72
43	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.	4.3	71
44	The EAS-TOP array at : Stability and resolutions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 23-28.	1.6	68
45	Exclusion of leptophilic dark matter models using XENON100 electronic recoil data. Science, 2015, 349, 851-854.	12.6	68
46	The 90 ton liquid scintillation detector in the Mont Blanc laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1984, 7, 573-590.	0.2	66
47	Neutrinos from Supernovae as a Trigger for Gravitational Wave Search. Physical Review Letters, 2009, 103, 031102.	7.8	65
48	Lowering the radioactivity of the photomultiplier tubes for the XENON1T dark matter experiment. European Physical Journal C, 2015, 75, 1.	3.9	63
49	Analysis of the data recorded by the Mont Blanc neutrino detector and by the Maryland and Rome gravitational-wave detectors during SN1987A. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1989, 12, 75-103.	0.2	60
50	A Measurement of the Solar and Sidereal Cosmic-Ray Anisotropy at E 0 approximately 10 14 eV. Astrophysical Journal, 1996, 470, 501.	4.5	59
51	XENON1T dark matter data analysis: Signal and background models and statistical inference. Physical Review D, 2019, 99, .	4.7	56
52	The exposure of the hybrid detector of the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 368-381.	4.3	54
53	Response of the XENON100 dark matter detector to nuclear recoils. Physical Review D, 2013, 88, .	4.7	53
54	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. Astroparticle Physics, 2007, 27, 244-253.	4.3	51

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55	XENON1T dark matter data analysis: Signal reconstruction, calibration, and event selection. Physical Review D, 2019, 100, .	4.7	51
56	Search for WIMP inelastic scattering off xenon nuclei with XENON100. Physical Review D, 2017, 96, .	4.7	50
57	SNEWS 2.0: a next-generation supernova early warning system for multi-messenger astronomy. New Journal of Physics, 2021, 23, 031201.	2.9	50
58	Search for Coherent Elastic Scattering of Solar <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Neutrinos in the XENON1T Dark Matter Experiment. Physical Review Letters, 2021, 126, 091301.	7.8	50
59	Search for Electronic Recoil Event Rate Modulation with 4 Years of XENON100 Data. Physical Review Letters, 2017, 118, 101101.	7.8	49
60	Conceptual design and simulation of a water Cherenkov muon veto for the XENON1T experiment. Journal of Instrumentation, 2014, 9, P11006-P11006.	1.2	48
61	Neutron flux generated by cosmic-ray mouns at 5200 hg/cm2 s.r. underground. Depth-neutron intensity curve. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1989, 12, 467-477.	0.2	47
62	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.	4.3	47
63	On-line recognition of supernova neutrino bursts in the LVD. Astroparticle Physics, 2008, 28, 516-522.	4.3	46
64	Analysis of the XENON100 dark matter search data. Astroparticle Physics, 2014, 54, 11-24.	4.3	45
65	IMPLICATION FOR THE CORE-COLLAPSE SUPERNOVA RATE FROM 21 YEARS OF DATA OF THE LARGE VOLUME DETECTOR. Astrophysical Journal, 2015, 802, 47.	4.5	45
66	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. Astroparticle Physics, 2009, 32, 89-99.	4.3	43
67	Energy resolution and linearity of XENON1T in the MeV energy range. European Physical Journal C, 2020, 80, 1.	3.9	40
68	Prompt-muon production in cosmic rays. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1987, 10, 465-476.	0.2	39
69	High-energy cosmic-ray physics with an EAS array on the top of the Gran Sasso Laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 262-270.	0.2	37
70	Neutrino-induced and atmospheric single-muon fluxes measured over five decades of intensity by LVD at Gran Sasso Laboratory. Astroparticle Physics, 1995, 3, 311-320.	4.3	37
71	The large-volume detector (LVD) - a multipurpose underground detector at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 11-16.	1.6	36
72	A limit to the rate of ultra high energy Î³-rays in the primary cosmic radiation. Astroparticle Physics, 1996, 6, 71-75.	4.3	36

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73	Study of the effect of neutrino oscillations on the supernova neutrino signal in the LVD detector. Astroparticle Physics, 2007, 27, 254-270.	4.3	36
74	Effective field theory search for high-energy nuclear recoils using the XENON100 dark matter detector. Physical Review D, 2017, 96, .	4.7	36
75	Material radioassay and selection for the XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	3.9	36
76	Comments on the Two Events Observed in Neutrino Detectors during the Supernova 1987 a Outburst. Europhysics Letters, 1987, 3, 1321-1324.	2.0	35
77	Search for Event Rate Modulation in XENON100 Electronic Recoil Data. Physical Review Letters, 2015, 115, 091302.	7.8	35
78	Removing krypton from xenon by cryogenic distillation to the ppq level. European Physical Journal C, 2017, 77, 1.	3.9	35
79	Study of the primary cosmic ray composition around the knee of the energy spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 337, 376-382.	4.1	34
80	Measurement of the cosmic ray hadron spectrum up to 30 TeV at mountain altitude: the primary proton spectrum. Astroparticle Physics, 2003, 19, 329-338.	4.3	32
81	Emission of single and few electrons in XENON1T and limits on light dark matter. Physical Review D, 2022, 106, .	4.7	32
82	The large-volume detector (LVD) of the Gran Sasso Laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 237-261.	0.2	30
83	Measurement of the Velocity of Neutrinos from the CNGS Beam with the Large Volume Detector. Physical Review Letters, 2012, 109, 070801.	7.8	30
84	Online ^{222} 222 Rn removal by cryogenic distillation in the XENON100 experiment. European Physical Journal C, 2017, 77, 1.	3.9	29
85	Signal yields of keV electronic recoils and their discrimination from nuclear recoils in liquid xenon. Physical Review D, 2018, 97, .	4.7	29
86	Limits on low-energy neutrino fluxes with the Mont Blanc liquid scintillator detector. Astroparticle Physics, 1992, 1, 1-9.	4.3	28
87	Searching for prompt signatures of nearby core-collapse supernovae by a joint analysis of neutrino and gravitational wave data. Classical and Quantum Gravity, 2010, 27, 084019.	4.0	28
88	The neutron background of the XENON100 dark matter search experiment. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 115201.	3.6	28
89	Results on candidate UHE gamma-ray sources by the EAS-TOP array (1989â€“1993). Astroparticle Physics, 1995, 3, 1-15.	4.3	27
90	Solar neutrino detection sensitivity in DARWIN via electron scattering. European Physical Journal C, 2020, 80, 1.	3.9	26

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91	Results from a calibration of XENON100 using a source of dissolved radon-220. Physical Review D, 2017, 95, .	4.7	26
92	Results of the liquid scintillation detector of the Mont Blanc Laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 185-195.	0.2	24
93	Upper limit on the prompt muon flux derived from the LVD underground experiment. Physical Review D, 1999, 60, .	4.7	24
94	Coincidences among the data recorded by the baksan, kamioka and mont blanc underground neutrino detectors, and by the Maryland and Rome gravitational-wave detectors during Supernova 1987 A. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1991, 14, 171-193.	0.2	23
95	Measurement of the proton-air inelastic cross section at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>â‰ˆ</mml:mo><mml:mn>2</mml:mn><mml:mtext>â€‰ the EAS-TOP experiment. Physical Review D, 2009, 79, .	4.7	23
96	First Results on the Scalar WIMP-Pion Coupling, Using the XENON1T Experiment. Physical Review Letters, 2019, 122, 071301.	7.8	23
97	^{222}RnÂÂemanation measurements for the XENON1T experiment. European Physical Journal C, 2021, 81, 337.	3.9	22
98	Experimental Study of Upward Stopping Muons in NUSEX. Europhysics Letters, 1991, 15, 559-564.	2.0	21
99	The limit to the UHE extraterrestrial neutrino flux from the observations of horizontal air showers at EAS-TOP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 333, 555-560.	4.1	21
100	Search for bosonic super-WIMP interactions with the XENON100 experiment. Physical Review D, 2017, 96, .	4.7	21
101	LVD at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 264, 5-17.	1.6	19
102	Simultaneous observation of extensive air showers and deep-underground muons at the Gran Sasso Laboratory. Physical Review D, 1990, 42, 1396-1403.	4.7	19
103	Detection of the UHE Burst from the Crab Nebula on February 23, 1989, from the EAS-TOP Array. Europhysics Letters, 1991, 15, 81-86.	2.0	18
104	Study of single muons with the Large Volume Detector at the Gran Sasso Laboratory. Physics of Atomic Nuclei, 2003, 66, 123-129.	0.4	17
105	Decrease of Atmospheric Neutron Counts Observed during Thunderstorms. Physical Review Letters, 2015, 114, 125003.	7.8	17
106	The XENON1T data acquisition system. Journal of Instrumentation, 2019, 14, P07016-P07016.	1.2	17
107	Search for fractionally charged particles in the Mont Blanc LSD scintillation detector. Astroparticle Physics, 1994, 2, 29-34.	4.3	16
108	The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. Journal of Instrumentation, 2011, 6, P01003-P01003.	1.2	16

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109	Intrinsic backgrounds from Rn and Kr in the XENON100 experiment. European Physical Journal C, 2018, 78, 1.	3.9	15
110	Single muon angular distributions observed in the LVD particle astrophysics experiment. Astroparticle Physics, 1994, 2, 103-116.	4.3	14
111	Performances and stability of a 2.4 ton Gd organic liquid scintillator target for Î½Ì„_edetection. Journal of Instrumentation, 2010, 5, P04001-P04001.	1.2	14
112	The EAS-TOP array at Gran Sasso: results of the electromagnetic detector. Nuclear Physics, Section B, Proceedings Supplements, 1990, 16, 493-494.	0.4	13
113	Simulation of low-energy neutrino interactions in liquid scintillation counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 309, 569-574.	1.6	13
114	Upper limit on the solar antineutrino flux according to LSD data. JETP Letters, 1996, 63, 791-795.	1.4	13
115	The hadron calorimeter of EAS-TOP: operation, calibration and resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 420, 117-131.	1.6	13
116	Effects of neutrino oscillations on the supernova signal in LVD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 110, 410-413.	0.4	13
117	Search for inelastic scattering of WIMP dark matter in XENON1T. Physical Review D, 2021, 103, .	4.7	13
118	Search for Gamma-Ray Bursts at Photon Energies E >= 10 GeV and E >= 80 TeV. Astrophysical Journal, 1996, 469, 305.	4.5	13
119	Primary cosmic ray composition in the 1013 â€“ 1017 eV energy range from the analysis of multiple muon events in the NUSEX experiment. Nuclear Physics, Section B, Proceedings Supplements, 1990, 14, 193-203.	0.4	12
120	Fractal behavior of cosmic ray time series: Chaos or stochasticity?. Journal of Geophysical Research, 1993, 98, 15241-15254.	3.3	12
121	The high energy muon spectrum in Extensive Air Showers: first data from LVD and EAS-TOP at Gran Sasso. Astroparticle Physics, 1998, 9, 185-192.	4.3	12
122	Search for two-neutrino double electron capture of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>124</mml:mn></mml:mmultiscripts></mml:math> with XENON100. Physical Review C, 2017, 95, .	2.9	12
123	Search for 100 TeV gamma-ray emission from the Galactic disk. Astrophysical Journal, 1992, 397, 148.	4.5	12
124	Angra dos Reis reactor neutrino oscillation experiment. Brazilian Journal of Physics, 2006, 36, 1118-1123.	1.4	11
125	Imaging of atmospheric EAS Cherenkov light at EAS-TOP. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1992, 15, 357-363.	0.2	10
126	Low power high dynamic range photomultiplier bases for the surface detectors of the Pierre Auger observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 240-244.	1.6	10

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127	The EAS-TOP atmospheric-ÄŒerenkov-light telescope and its combined operation with the e.m. Detector. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1993, 16, 813-824.	0.2	9
128	The proton attenuation length and the p-air inelastic cross section at âˆšs2 TeV from EAS-TOP. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 222-224.	0.4	9
129	Characterization of the varying flux of atmospheric muons measured with the Large Volume Detector for 24Âyears. Physical Review D, 2019, 100, .	4.7	9
130	Correlation between the Maryland and Rome gravitational-wave detectors and the Mont Blanc, Kamioka and IMB particle detectors during SN 1987 A. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 1257-1269.	0.2	8
131	Supernova neutrino detection with LVD. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 469-471.	0.4	8
132	Search for chaotic features in the arrival times of air showers. Europhysics Letters, 1996, 34, 231-236.	2.0	7
133	Effect of oxygen deficiency on response of CR-39 on board scientific balloons. Radiation Measurements, 1999, 31, 591-594.	1.4	7
134	Status of supernova neutrino detectors. Journal of Physics: Conference Series, 2010, 203, 012077.	0.4	7
135	On the neutrino burst from SN 1987a detected in the Mt. Blanc LSD experiment. Nuclear Physics, Section B, Proceedings Supplements, 1988, 3, 453-462.	0.4	6
136	High modularity fast charge-time digitizer in neutrino burst detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 288, 529-535.	1.6	6
137	First observation of high-energy cosmic-ray events obtained in coincidence between EAS-TOP and LVD at Gran Sasso. Il Nuovo Cimento A, 1992, 105, 1815-1823.	0.2	6
138	Large-P T physics with cosmic-ray events. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1995, 18, 663-670.	0.2	6
139	Neutrino burst identification in underground detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 368, 512-516.	1.6	6
140	CNGS beam monitor with the LVD detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 96-103.	1.6	6
141	Search for magnetic inelastic dark matter with XENON100. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 039-039.	5.4	6
142	MOSCAB: a geyser-concept bubble chamber to be used in a dark matter search. European Physical Journal C, 2017, 77, 1.	3.9	6
143	Flux measurement of fast neutrons in the Gran Sasso underground laboratory. European Physical Journal C, 2019, 79, 1.	3.9	6
144	A 0.3nV/âˆšHz input-referred-noise analog front-end for radiation-induced thermo-acoustic pulses. The Integration VLSI Journal, 2020, 74, 11-18.	2.1	6

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145	Search for high energy GRBs with EASTOP. Astronomy and Astrophysics, 1999, 138, 595-596.	2.1	6
146	Large solar flares - Analysis of the events recorded by the Mont Blanc neutrino detector. Astrophysical Journal, 1991, 382, 344.	4.5	6
147	Search for Î½Î¼ and Î½Ï„ supernova neutrinos with massive liquid-scintillation detectors. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1991, 14, 631-637.	0.2	5
148	The EAS-TOP calorimeter. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1992, 15, 735-741.	0.2	5
149	Multiple muon events observed in the LVD experiment. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 243-245.	0.4	5
150	Study of horizontal air showers from EAS-TOP: a possible tool for UHE neutrino detection?. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 509-511.	0.4	5
151	Detection of muon bundles at large zenith angles. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 318-320.	0.4	5
152	Study of the cosmic ray primary spectrum at 1015 < E0 < 1016 eV with the EAS-TOP array. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 318-323.	0.4	5
153	First CNGS events detected by LVD. European Physical Journal C, 2007, 52, 849-855.	3.9	5
154	Direct measurement of the atmospheric neutron flux in the energy range 10â€“500MeV. Astroparticle Physics, 2010, 34, 225-229.	4.3	5
155	The distributed Slow Control System of the XENON100 experiment. Journal of Instrumentation, 2012, 7, T12001-T12001.	1.2	5
156	Low-energy neutral-particle detection in the Mont Blanc LSD experiment. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 271-280.	0.2	4
157	Correlation Analysis of the Data Recorded by the Baksan, Kamioka, and Mont Blanc Detectors during SN 1987A. Annals of the New York Academy of Sciences, 1989, 571, 584-593.	3.8	4
158	Study of jet production in pâ€“N interactions at GeV in EAS multicore events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 474-483.	4.1	4
159	Determination of Z/Î² for strange quark matter candidates with CR-39 track detector. Radiation Measurements, 2001, 34, 255-258.	1.4	4
160	Proposal for an MRPC system with high-precision timing in the LVD structure. European Physical Journal Plus, 2012, 127, 1.	2.6	4
161	Application and modeling of an online distillation method to reduce krypton and argon in XENON1T. Progress of Theoretical and Experimental Physics, 0, , .	6.6	4
162	Exploration of the stratosphere with cosmic-ray muons detected underground. Physical Review Research, 2022, 4, .	3.6	4

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163	Monopole search with the Mont Blanc LSD experiment. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 588-597.	0.2	3
164	The EAS-TOP detector at Gran Sasso. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1990, 13, 353-364.	0.2	3
165	The LVD experiment at Gran Sasso. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1995, 18, 629-645.	0.2	3
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