

Giuliana Fiorillo

List of Publications by Year in descending order

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186
papers

6,226
citations

71102

41
h-index

79698

73
g-index

190
all docs

190
docs citations

190
times ranked

6826
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, construction and tests of the ICARUS T600 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 527, 329-410.	1.6	362
2	Constraint on the matter-antimatter symmetry-violating phase in neutrino oscillations. Nature, 2020, 580, 339-344.	27.8	313
3	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 081307.	7.8	259
4	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	2.6	247
5	The CHORUS experiment to search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_1$ oscillation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 401, 7-44.	1.6	209
6	First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 456-466.	4.1	186
7	Constraints on Sub-GeV Dark-Matter Electron Scattering from the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 111303.	7.8	179
8	Search for $C \langle \mathcal{P} \rangle$ Violation in Neutrino and Antineutrino Oscillations by the T2K Experiment with $\langle \mathcal{P} \rangle$ Protons on Target. Physical Review Letters, 2018, 121, 171802.	7.8	165
9	First results from a dark matter search with liquid argon at 87K in the Gran Sasso underground laboratory. Astroparticle Physics, 2008, 28, 495-507.	4.3	153
10	Precision measurement of electroweak parameters from the scattering of muon-neutrinos on electrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 335, 246-252.	4.1	152
11	DarkSide-50 532-day dark matter search with low-radioactivity argon. Physical Review D, 2018, 98, .	4.7	147
12	Measurement of nucleon structure functions in neutrino scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 65-75.	4.1	113
13	Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .	4.7	108
14	Underground operation of the ICARUS T600 LAr-TPC: first results. Journal of Instrumentation, 2011, 6, P07011-P07011.	1.2	95
15	Measurement of neutrino and antineutrino oscillations by the T2K experiment including a new additional sample of $\langle \mathcal{P} \rangle$ interactions at the far detector. Physical Review D, 2017, 96, .	4.7	95
16	Search for dark matter with a 231-day exposure of liquid argon using DEAP-3600 at SNOLAB. Physical Review D, 2019, 100, .	4.7	94
17	Direct detection of dark matter-APPEC committee report*. Reports on Progress in Physics, 2022, 85, 056201.	20.1	92
18	Measurement of the specific activity of ^{39}Ar in natural argon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 83-88.	1.6	91

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19	Study of electron recombination in liquid argon with the ICARUS TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 275-286.	1.6	87
20	Measurement of scintillation and ionization yield and scintillation pulse shape from nuclear recoils in liquid argon. Physical Review D, 2015, 91, .	4.7	80
21	Physics potentials with the second Hyper-Kamiokande detector in Korea. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	77
22	Characterization of nuclear effects in muon-neutrino scattering on hydrocarbon with a measurement of final-state kinematics and correlations in charged-current pionless interactions at T2K. Physical Review D, 2018, 98, .	4.7	66
23	WARP liquid argon detector for dark matter survey. New Astronomy Reviews, 2005, 49, 265-269.	12.8	64
24	Improved constraints on neutrino mixing from the T2K experiment with $\sin^2 2\theta_{13} > 3.13 \times 10^{-4}$ on target. Physical Review D, 2021, 103, .	4.7	64
25	Search for anomalies in the $\hat{1}/2 e$ appearance from a $\hat{1}/2 \hat{1}/4$ beam. European Physical Journal C, 2013, 73, 1.	3.9	61
26	Measurement of charm production in neutrino charged-current interactions. New Journal of Physics, 2011, 13, 093002.	2.9	60
27	Experimental search for the $\hat{a}eLSND$ anomaly with the ICARUS detector in the CNGS neutrino beam. European Physical Journal C, 2013, 73, 1.	3.9	59
28	New results from a search for $\hat{1}/2 \hat{1}/4 \hat{a} \hat{1}/2$, and $\hat{1}/2 e \hat{a} \hat{1}/2$, oscillation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 497, 8-22.	4.1	56
29	Analysis of the liquid argon purity in the ICARUS T600 TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 68-79.	1.6	55
30	Supernova relic neutrinos in liquid argon detectors. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 002-002.	5.4	53
31	Effects of Nitrogen contamination in liquid Argon. Journal of Instrumentation, 2010, 5, P06003-P06003.	1.2	53
32	Final results on oscillation from the CHORUS experiment. Nuclear Physics B, 2008, 793, 326-343.	2.5	52
33	Measurement of the $\hat{1}/4$ decay spectrum with the ICARUS liquid Argon TPC. European Physical Journal C, 2004, 33, 233-241.	3.9	50
34	Search for heavy isosinglet neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 343, 453-458.	4.1	49
35	Leading-order QCD analysis of neutrino-induced dimuon events. European Physical Journal C, 1999, 11, 19.	3.9	49
36	Search for heavy neutrinos with the T2K near detector ND280. Physical Review D, 2019, 100, .	4.7	46

#	ARTICLE	IF	CITATIONS
37	Discovery of underground argon with low level of radioactive ^{39}Ar and possible applications to WIMP dark matter detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 46-51.	1.6	44
38	Oxygen contamination in liquid Argon: combined effects on ionization electron charge and scintillation light. Journal of Instrumentation, 2010, 5, P05003-P05003.	1.2	44
39	Measurement of the neutrino velocity with the ICARUS detector at the CNGS beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 17-22.	4.1	44
40	Search for $\hat{\nu}_{1/2} \hat{\nu}_{1/2}$ oscillation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 309, 463-468.	4.1	42
41	Construction and test of calorimeter modules for the CHORUS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 70-80.	1.6	41
42	Characterization of ETL 9357FLA photomultiplier tubes for cryogenic temperature applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 146-157.	1.6	41
43	Coherent single charged pion production by neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 313, 267-275.	4.1	38
44	A search for $\hat{\nu}_{1/2} \hat{\nu}_{1/4} \hat{\nu}_{1/2}$, oscillation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 424, 202-212.	4.1	38
45	Measurement of the liquid argon energy response to nuclear and electronic recoils. Physical Review D, 2018, 97, .	4.7	38
46	Neutral current coupling constants from neutrino- and antineutrino-electron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 281, 159-166.	4.1	36
47	Tracking with capillaries and liquid scintillator. Nuclear Physics, Section B, Proceedings Supplements, 1998, 61, 390-395.	0.4	36
48	Measurement of through-going particle momentum by means of multiple scattering with the ICARUS T600 TPC. European Physical Journal C, 2006, 48, 667-676.	3.9	36
49	Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. Astroparticle Physics, 2013, 49, 44-51.	4.3	36
50	DarkSide search for dark matter. Journal of Instrumentation, 2013, 8, C11021-C11021.	1.2	36
51	Experimental observation of an extremely high electron lifetime with the ICARUS-T600 LAr-TPC. Journal of Instrumentation, 2014, 9, P12006-P12006.	1.2	36
52	Measurement of differential cross sections for muon-neutrino electron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 351-355.	4.1	34
53	Search for $\hat{\nu}_{1/2} \hat{\nu}_{1/4} \hat{\nu}_{1/2}$, oscillation using the $\hat{\nu}_{1/2}$ decay modes into a single charged particle. This paper is dedicated to the memory of Yasushi Ishii, a bright colleague and a good friend, whose loss has caused us great sorrow. I. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 205-213.	4.1	34
54	The veto system of the DarkSide-50 experiment. Journal of Instrumentation, 2016, 11, P03016-P03016.	1.2	33

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55	Calibration and performance of the CHARM-II detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 325, 92-108.	1.6	32
56	A new, very massive modular Liquid Argon Imaging Chamber to detect low energy off-axis neutrinos from the CNGS beam (Project MODULAR). Astroparticle Physics, 2008, 29, 174-187.	4.3	32
57	Precision measurement of the neutrino velocity with the ICARUS detector in the CNGS beam. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
58	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. Journal of Instrumentation, 2017, 12, P10015-P10015.	1.2	31
59	Leading order analysis of neutrino induced dimuon events in the CHORUS experiment. Nuclear Physics B, 2008, 798, 1-16.	2.5	30
60	Observation of the dependence on drift field of scintillation from nuclear recoils in liquid argon. Physical Review D, 2013, 88, .	4.7	30
61	VUV-Vis optical characterization of Tetraphenyl-butadiene films on glass and specular reflector substrates from room to liquid Argon temperature. Journal of Instrumentation, 2013, 8, P09006-P09006.	1.2	29
62	The novel Mechanical Ventilator Milano for the COVID-19 pandemic. Physics of Fluids, 2021, 33, 037122.	4.0	29
63	Search for heavy isosinglet neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 351, 387-392.	4.1	28
64	Precise 3D Track Reconstruction Algorithm for the ICARUS T600 Liquid Argon Time Projection Chamber Detector. Advances in High Energy Physics, 2013, 2013, 1-16.	1.1	28
65	Effects of Nitrogen and Oxygen contamination in liquid Argon. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 70-73.	0.4	24
66	Simultaneous measurement of the muon neutrino charged-current cross section on oxygen and carbon without pions in the final state at T2K. Physical Review D, 2020, 101, .	4.7	24
67	Solar neutrino detection in a large volume double-phase liquid argon experiment. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 017-017.	5.4	23
68	Measurement of inclusive double-differential $\hat{\nu}_\mu \hat{\nu}_\mu^+$ charged-current cross section with improved acceptance in the T2K off-axis near detector. Physical Review D, 2018, 98, .	4.7	23
69	A precise measurement of the cross section of the inverse muon decay $\hat{\nu}_\mu \hat{\nu}_\mu^+ + e^- \rightarrow \hat{\nu}_\mu \hat{\nu}_\mu^+ + \hat{\nu}_e$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 364, 121-126.	4.1	22
70	Response to electrons and pions of the calorimeter for the CHORUS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 221-232.	1.6	22
71	Measurement of D_0 production in neutrino charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 527, 173-181.	4.1	22
72	A search for the analogue to Cherenkov radiation by high energy neutrinos at superluminal speeds in ICARUS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 270-275.	4.1	22

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73	Search for light sterile neutrinos with the T2K far detector Super-Kamiokande at a baseline of 295Âkm. Physical Review D, 2019, 99, .	4.7	22
74	First Direct Detection Constraints on Planck-Scale Mass Dark Matter with Multiple-Scatter Signatures Using the DEAP-3600 Detector. Physical Review Letters, 2022, 128, 011801.	7.8	22
75	Experimental study of electromagnetic properties of the muon neutrino in neutrino-electron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 281-286.	4.1	21
76	Measurements of $\langle \sigma_{\nu e} \rangle$ and $\langle \sigma_{\nu \mu} \rangle$ using the T2K far detector Super-Kamiokande. Physical Review D, 2020, 102, .	4.1	21
77	Measurement of topological muonic branching ratios of charmed hadrons produced in neutrino-induced charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 626, 24-34.	4.1	21
78	The DarkSide Multiton Detector for the Direct Dark Matter Search. Advances in High Energy Physics, 2015, 2015, 1-8.	1.1	21
79	Constraints on dark matter-nucleon effective couplings in the presence of kinematically distinct halo substructures using the DEAP-3600 detector. Physical Review D, 2020, 102, .	4.7	21
80	First combined measurement of the muon neutrino and antineutrino charged-current cross section without pions in the final state at T2K. Physical Review D, 2020, 101, .	4.7	21
81	A new high-gain vacuum photomultiplier based upon the amplification of a Geiger-mode p ⁺ n junction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 326-331.	1.6	20
82	The WArP experiment. Journal of Physics: Conference Series, 2010, 203, 012006.	0.4	20
83	Electromagnetic backgrounds and potassium-42 activity in the DEAP-3600 dark matter detector. Physical Review D, 2019, 100, .	4.7	20
84	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	1.2	19
85	Flavour universality of neutrino couplings with the z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 320, 203-205.	4.1	18
86	Observation of neutrino induced diffractive production and subsequent decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 435, 458-464.	4.1	18
87	Measurement of $\hat{\nu}c+$ production in neutrino charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 555, 156-166.	4.1	18
88	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. European Physical Journal C, 2021, 81, 1.	3.9	18
89	Observation of one event with the characteristics of associated charm production in neutrino charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 539, 188-196.	4.1	17
90	Cryogenic Characterization of FBK RGB-HD SiPMs. Journal of Instrumentation, 2017, 12, P09030-P09030.	1.2	16

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91	Cross-section measurement for quasi-elastic production of charmed baryons in $\hat{1}/2N$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 575, 198-207.	4.1	15
92	Demonstration and comparison of photomultiplier tubes at liquid Argon temperature. Journal of Instrumentation, 2012, 7, P01016-P01016.	1.2	15
93	Measurement of neutrino and antineutrino neutral-current quasielasticlike interactions on oxygen by detecting nuclear deexcitation $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{1}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ rays. Physical Review D, 2019, 100, .	4.7	15
94	Determination of the semi-leptonic branching fraction of charm hadrons produced in neutrino charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 48-57.	4.1	14
95	The trigger system of the ICARUS experiment for the CNGS beam. Journal of Instrumentation, 2014, 9, P08003-P08003.	1.2	14
96	Measurement of the charged-current electron (anti-)neutrino inclusive cross-sections at the T2K off-axis near detector ND280. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
97	The liquid-argon scintillation pulseshape in DEAP-3600. European Physical Journal C, 2020, 80, 1.	3.9	14
98	Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 23-34.	1.6	13
99	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. Physical Review Letters, 2020, 124, 161802.	7.8	13
100	Measurement of fragmentation properties of charmed particle production in charged-current neutrino interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 604, 145-156.	4.1	12
101	Charged-particle multiplicities in charged-current neutrino and anti-neutrino nucleus interactions. European Physical Journal C, 2007, 51, 775.	3.9	12
102	A new generation photodetector for astroparticle physics: The VSIPMT. Astroparticle Physics, 2015, 67, 18-25.	4.3	12
103	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.	5.4	12
104	Separating ^{39}Ar from ^{40}Ar by cryogenic distillation with Aria for dark-matter searches. European Physical Journal C, 2021, 81, 1.	3.9	12
105	Pulse-shape discrimination against low-energy Ar-39 beta decays in liquid argon with 4.5 tonne-years of DEAP-3600 data. European Physical Journal C, 2021, 81, 823.	3.9	12
106	Observation of weak neutral current neutrino production of J/ψ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 1-9.	4.1	11
107	Towards a new Liquid Argon Imaging Chamber for the MODULAR project. Journal of Instrumentation, 2009, 4, P02003-P02003.	1.2	11
108	Effects of Nitrogen and Oxygen contaminations in liquid Argon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 169-172.	1.6	11

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109	Associated charm production in neutrino-nucleus interactions. European Physical Journal C, 2007, 52, 543-552.	3.9	10
110	DarkSide-50: A WIMP Search with a Two-phase Argon TPC. Physics Procedia, 2015, 61, 124-129.	1.2	10
111	The electronics, trigger and data acquisition system for the liquid argon time projection chamber of the DarkSide-50 search for dark matter. Journal of Instrumentation, 2017, 12, P12011-P12011.	1.2	10
112	CALIS-A CALibration Insertion System for the DarkSide-50 dark matter search experiment. Journal of Instrumentation, 2017, 12, T12004-T12004.	1.2	10
113	Search for neutral-current induced single photon production at the ND280 near detector in T2K. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 08LT01.	3.6	10
114	Discovery of underground argon with a low level of radioactive ^{39}Ar and possible applications to WIMP dark matter detectors. Journal of Physics: Conference Series, 2008, 120, 042015.	0.4	9
115	The WArP Experiment. Journal of Physics: Conference Series, 2011, 308, 012005.	0.4	9
116	Direct Search for Dark Matter with DarkSide. Journal of Physics: Conference Series, 2015, 650, 012006.	0.4	9
117	Directional modulation of electron-ion pairs recombination in liquid argon. Journal of Instrumentation, 2017, 12, P12002-P12002.	1.2	9
118	Measurement of the muon neutrino charged-current single $\bar{\nu}_e$ production on hydrocarbon using the T2K off-axis near detector ND280. Physical Review D, 2020, 101, .	4.7	9
119	Experimental study of trimuon events in neutrino charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 596, 44-53.	4.1	8
120	Measurement of $\langle \sigma_{\nu e} \rangle$ for neutrino-electron scattering. Journal of Instrumentation, 2013, 8, P04021-P04021.	4.1	8
121	Proof of feasibility of the Vacuum Silicon PhotoMultiplier Tube (VSiPMT). Journal of Instrumentation, 2013, 8, P04021-P04021.	1.2	8
122	Measurement of the muon neutrino charged-current cross sections on water, hydrocarbon and iron, and their ratios, with the T2K on-axis detectors. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	8
123	Directional dark matter detection sensitivity of a two-phase liquid argon detector. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 014-014.	5.4	8
124	Calibration of the liquid argon ionization response to low energy electronic and nuclear recoils with DarkSide-50. Physical Review D, 2021, 104, .	4.7	8
125	Constraints on additional Z bosons derived from neutrino-electron scattering measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 332, 465-470.	4.1	7
126	A new vertex detector made of glass capillaries. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 386, 72-80.	1.6	7

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127	Measurement of the Z/A dependence of neutrino charged-current total cross-sections. European Physical Journal C, 2003, 30, 159-167.	3.9	7
128	Measurement of charm production in antineutrino charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 604, 11-21.	4.1	7
129	Tetraphenyl-butadiene films: VUV-Vis optical characterization from room to liquid argon temperature. Journal of Instrumentation, 2013, 8, C09010-C09010.	1.2	7
130	Performance of a SensL-30035-16P silicon photomultiplier array at liquid argon temperature. Journal of Instrumentation, 2015, 10, P08013-P08013.	1.2	7
131	The electronics and data acquisition system for the DarkSide-50 veto detectors. Journal of Instrumentation, 2016, 11, P12007-P12007.	1.2	7
132	The DarkSide Experiment: Present Status and Future. Journal of Physics: Conference Series, 2017, 798, 012109.	0.4	7
133	First measurement of the charged current $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msub}> \langle \text{mml:mover accent="true"> \langle \text{mml:mi}> \hat{1}/2 </\text{mml:mi}> \langle \text{mml:mo stretchy="false"> \hat{\wedge} </\text{mml:mo}> \langle \text{mml:mover}> \langle \text{mml:mi}> \hat{1}/4 </\text{mml:mi}> \langle \text{mml:msub}> \langle \text{mml:math}> \text{double differential cross section on a water target without pions in the final state. Physical Review D, 2020,$	4.7	7
134	First T2K measurement of transverse kinematic imbalance in the muon-neutrino charged-current single- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msup}> \langle \text{mml:mi}> \hat{1} \in </\text{mml:mi}> \langle \text{mml:mo}> + </\text{mml:mo}> \langle \text{mml:msup}> \langle \text{mml:math}> \text{production channel containing at least one proton. Physical Review D, 2021, 103, .$	4.7	7
135	Search for muon to electron neutrino oscillations. Zeitschrift für Physik C-Particles and Fields, 1994, 64, 539-544.	1.5	6
136	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. Physical Review D, 2020, 101, .	4.7	6
137	Measurements of $\langle \hat{1}/2 \dots \rangle$ $\langle \hat{1}/4 \rangle$ and $\langle \hat{1}/2 \dots \rangle$ $\langle \hat{1}/4 \rangle + \langle \hat{1}/2 \rangle$ $\langle \hat{1}/4 \rangle$ charged-current cross-sections without detected pions or protons on water and hydrocarbon at a mean anti-neutrino energy of 0.86 GeV. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	6
138	Performance of the ReD TPC, a novel double-phase LAr detector with silicon photomultiplier readout. European Physical Journal C, 2021, 81, 1.	3.9	6
139	Effect of low electric fields on alpha scintillation light yield in liquid argon. Journal of Instrumentation, 2017, 12, P01021-P01021.	1.2	5
140	Liquid scintillator calorimetry for the LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 360, 240-244.	1.6	4
141	Experimental search for muonic photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 200-204.	4.1	4
142	The DarkSide awakens. Journal of Physics: Conference Series, 2016, 718, 042016.	0.4	4
143	The GAP-TPC. Journal of Instrumentation, 2016, 11, C02041-C02041.	1.2	4
144	The CHORUS experiment. Nuclear Physics, Section B, Proceedings Supplements, 1996, 48, 183-187.	0.4	3

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145	Capillary detectors for high resolution tracking. Nuclear Physics, Section B, Proceedings Supplements, 1997, 54, 86-91.	0.4	3
146	A new Design for an High Gain Vacuum Photomultiplier: The Silicon PMT Used as Amplification Stage. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 52-56.	0.4	3
147	The DarkSide project. Journal of Instrumentation, 2016, 11, C02051-C02051.	1.2	3
148	A study of events with photoelectric emission in the DarkSide-50 liquid argon Time Projection Chamber. Astroparticle Physics, 2022, 140, 102704.	4.3	3
149	Construction and test of modules of the CHORUS calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 344, 85-91.	1.6	2
150	Status report on CHORUS experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 360, 254-257.	1.6	2
151	The trigger system of the ICARUS experiment. , 2005, , .		2
152	Performance of photomultiplier tubes for cryogenic applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 271-275.	1.6	2
153	First physics results from WARP 2.3 litre prototype. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 53-56.	0.4	2
154	Measurement of the ion fraction and mobility of ^{218}Po produced in ^{222}Rn decays in liquid argon. Journal of Instrumentation, 2019, 14, P11018-P11018.	1.2	2
155	The WArP Dark Matter Search. , 2009, , .		2
156	The high resolution calorimeter of the CHORUS experiment. Nuclear Physics, Section B, Proceedings Supplements, 1993, 32, 70-76.	0.4	1
157	New results on inverse muon decay and low multiplicity reactions. Nuclear Physics, Section B, Proceedings Supplements, 1993, 31, 293-300.	0.4	1
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