

Maria Isabel Lopes

List of Publications by Year in descending order

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papers

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169
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169
docs citations

169
times ranked

8500
citing authors

#	ARTICLE	IF	CITATIONS
1	First Results from the LUX Dark Matter Experiment at the Sanford Underground Research Facility. <i>Physical Review Letters</i> , 2014, 112, 091303.	7.8	1,248
2	Results from a Search for Dark Matter in the Complete LUX Exposure. <i>Physical Review Letters</i> , 2017, 118, 021303.	7.8	1,081
3	The Alpha Magnetic Spectrometer (AMS) on the International Space Station: Part I “ results from the test flight on the space shuttle. <i>Physics Reports</i> , 2002, 366, 331-405.	25.6	366
4	Improved Limits on Scattering of Weakly Interacting Massive Particles from Reanalysis of 2013 LUX Data. <i>Physical Review Letters</i> , 2016, 116, 161301.	7.8	333
5	Cosmic protons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 490, 27-35.	4.1	242
6	The Large Underground Xenon (LUX) experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 704, 111-126.	1.6	239
7	Leptons in near earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 484, 10-22.	4.1	224
8	Limits on Spin-Dependent WIMP-Nucleon Cross Section Obtained from the Complete LUX Exposure. <i>Physical Review Letters</i> , 2017, 118, 251302.	7.8	175
9	Results from the first science run of the ZEPLIN-III dark matter search experiment. <i>Physical Review D</i> , 2009, 80, .	4.7	147
10	Results on the Spin-Dependent Scattering of Weakly Interacting Massive Particles on Nucleons from the Run 3 Data of the LUX Experiment. <i>Physical Review Letters</i> , 2016, 116, 161302.	7.8	146
11	WIMP-nucleon cross-section results from the second science run of ZEPLIN-III. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 709, 14-20.	4.1	124
12	First limits on WIMP nuclear recoil signals in ZEPLIN-II: A two-phase xenon detector for dark matter detection. <i>Astroparticle Physics</i> , 2007, 28, 287-302.	4.3	122
13	Results of a Search for Sub-GeV Dark Matter Using 2013 LUX Data. <i>Physical Review Letters</i> , 2019, 122, 131301.	7.8	119
14	First Searches for Axions and Axionlike Particles with the LUX Experiment. <i>Physical Review Letters</i> , 2017, 118, 261301.	7.8	108
15	New experimental validation of the pulse height weighting technique for capture cross-section measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 521, 454-467.	1.6	101
16	The ZEPLIN-III dark matter detector: Instrument design, manufacture and commissioning. <i>Astroparticle Physics</i> , 2007, 27, 46-60.	4.3	91
17	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 538, 692-702.	1.6	84
18	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 608, 424-433.	1.6	80

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19	Neutron capture cross section of ^{234}U and ^{235}U . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 401-421.	2.9	72
20	Radiogenic and muon-induced backgrounds in the LUX dark matter detector. Astroparticle Physics, 2015, 62, 33-46.	4.3	71
21	Tritium calibration of the LUX dark matter experiment. Physical Review D, 2016, 93, .	4.7	70
22	Neutron capture cross section of ^{197}Au . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 401-421.	2.8	68
23	Neutron Capture Cross Section Measurement of ^{151}Sm at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65
24	On the reconstruction of Cherenkov rings from aerogel radiators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 401-421.	1.6	58
25	Neutron capture cross section of ^{197}Au . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 401-421.	2.8	55
26	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55
27	Measurement of the n_TOF beam profile with a micromegas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 102-114.	1.6	54
28	Perspectives for positron emission tomography with RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 88-93.	1.6	50
29	Limits on the Spin-Dependent WIMP-Nucleon Cross Sections from the First Science Run of the ZEPLIN-III Experiment. Physical Review Letters, 2009, 103, 151302.	7.8	48
30	Position Reconstruction in a Dual Phase Xenon Scintillation Detector. IEEE Transactions on Nuclear Science, 2012, 59, 3286-3293.	2.0	47
31	New measurement of neutron capture resonances in ^{209}Bi . Physical Review C, 2006, 74, .	2.9	46
32	Nuclear recoil scintillation and ionisation yields in liquid xenon from ZEPLIN-III data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 471-476.	4.1	45
33	Technical results from the surface run of the LUX dark matter experiment. Astroparticle Physics, 2013, 45, 34-43.	4.3	45
34	Scintillation efficiency of liquid xenon for nuclear recoils with the energy down to 5keV. Astroparticle Physics, 2006, 26, 58-63.	4.3	44
35	Neutron capture cross section of ^{90}Zr . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 401-421.	2.9	44
36	Measurement of the refractive index and attenuation length of liquid xenon for its scintillation light. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 462-474.	1.6	43

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37	Measurement of single electron emission in two-phase xenon. <i>Astroparticle Physics</i> , 2008, 30, 54-57.	4.3	43
38	Single electron emission in two-phase xenon with application to the detection of coherent neutrino-nucleus scattering. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	42
39	Neutron capture cross section of Th232 measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. <i>Physical Review C</i> , 2006, 73, .	2.9	41
40	Limits on inelastic dark matter from ZEPLIN-III. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 692, 180-183.	4.1	40
41	Reaction up to 8 keV neutron energy. <i>Physical Review C</i> , 2013, 87, .	2.9	39
42	Signal yields, energy resolution, and recombination fluctuations in liquid xenon. <i>Physical Review D</i> , 2017, 95, .	4.7	39
43	The LUX-ZEPLIN (LZ) radioactivity and cleanliness control programs. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	38
44	Measurement of the Sm151(n, $\hat{1}^3$) cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility. <i>Physical Review C</i> , 2006, 73, .	2.9	36
45	Neutron induced fission cross section of Os. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 532, 622-630.	2.9	36
46	and Bi. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 703, 1-6.	2.9	36
47	An ultra-low background PMT for liquid xenon detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 703, 1-6.	1.6	36
48	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 261, 925-929.	1.4	35
49	Time-energy relation of the n_TOF neutron beam: energy standards revisited. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 532, 622-630.	1.6	34
50	Experimental study of the Zr. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 532, 622-630.	2.9	34
51	Reflectance of polytetrafluoroethylene for xenon scintillation light. <i>Journal of Applied Physics</i> , 2010, 107, 064902.	2.5	34
52	Experimental study of the Zr. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 532, 622-630.	2.9	33
53	Resonance capture cross section of Pb207. <i>Physical Review C</i> , 2006, 74, .	2.9	32
54	Measurement of the neutron capture cross section of the s-only isotope Pb204 from 1 eV to 440 keV. <i>Physical Review C</i> , 2007, 75, .	2.9	32

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55	Purification of liquid xenon and impurity monitoring for a PET detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 500-505.	1.6	31
56	Performance study of liquid xenon detector for PET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 427-432.	1.6	31
57	Measurement and simulation of the muon-induced neutron yield in lead. Astroparticle Physics, 2013, 47, 67-76.	4.3	31
58	Measurement of the radiative neutron capture cross section of Pb and its astrophysical implications. Physical Review C, 2007, 76, .	2.9	30
59	High-accuracy $^{233}U(n,f)$ cross-section measurement at the white-neutron source n_TOF from near-thermal to 1 MeV neutron energy. Physical Review C, 2009, 80, .	2.9	30
60	Calibration, event reconstruction, data analysis, and limit calculation for the LUX dark matter experiment. Physical Review D, 2018, 97, .	4.7	29
61	Neutron physics of the Re-Os clock. I. Measurement of the $^{187}Os(n,\gamma)^{188}Os$ cross sections of Os	2.9	28
62	Observation of electron multiplication in liquid xenon with a microstrip plate. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 365, 568-571.	1.6	27
63	An RPC-PET prototype with high spatial resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 139-143.	1.6	27
64	Limits on spin-dependent WIMP-nucleon cross-sections from the first ZEPLIN-II data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 161-166.	4.1	26
65	Measurement and resonance analysis of the ^{237}Np neutron capture cross section. Physical Review C, 2012, 85, .	2.9	26
66	Estimation of the electron lifetime in tetramethylsilane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 271, 464-470.	1.6	25
67	Radioactivity backgrounds in ZEPLIN-III. Astroparticle Physics, 2012, 35, 495-502.	4.3	25
68	Position reconstruction in LUX. Journal of Instrumentation, 2018, 13, P02001-P02001.	1.2	25
69	The ZEPLIN-III dark matter detector: Performance study using an end-to-end simulation tool. Astroparticle Physics, 2006, 26, 140-153.	4.3	24
70	The $^{139}La(n,\hat{1}^3)$ cross section: Key for the onset of the s-process. Physical Review C, 2007, 75, .	2.9	24
71	Neutron capture on Zr Resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	2.9	24
72	Identification of radiopure titanium for the LZ dark matter experiment and future rare event searches. Astroparticle Physics, 2017, 96, 1-10.	4.3	24

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73	The ZEPLIN-III anti-coincidence veto detector. <i>Astroparticle Physics</i> , 2010, 34, 151-163.	4.3	23
74	Measurement of resolved resonances of $^{232}\text{Th}(n, \hat{1}^3)$ at the n_TOF facility at CERN. <i>Physical Review C</i> , 2012, 85, .	2.9	23
75	Study of large area avalanche photodiode for detecting liquid xenon scintillation. <i>IEEE Transactions on Nuclear Science</i> , 2000, 47, 1307-1310.	2.0	21
76	A survey of energy loss calculations for heavy ions between 1 and 100keV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 580, 114-117.	1.6	21
77	Quenching factor for low-energy nuclear recoils in a plastic scintillator. <i>Physical Review C</i> , 2012, 85, .	2.9	21
78	3D modeling of electric fields in the LUX detector. <i>Journal of Instrumentation</i> , 2017, 12, P11022-P11022.	1.2	21
79	Chromatographic separation of radioactive noble gases from xenon. <i>Astroparticle Physics</i> , 2018, 97, 80-87.	4.3	20
80	Performance of the veto detector incorporated into the ZEPLIN-III experiment. <i>Astroparticle Physics</i> , 2011, 35, 76-86.	4.3	19
81	Measurement of the absolute reflectance of polytetrafluoroethylene (PTFE) immersed in liquid xenon. <i>Journal of Instrumentation</i> , 2017, 12, P01017-P01017.	1.2	19
82	Liquid xenon scintillation measurements and pulse shape discrimination in the LUX dark matter detector. <i>Physical Review D</i> , 2018, 97, .	4.7	19
83	Performance analysis based on a Monte Carlo simulation of a liquid xenon PET detector. <i>IEEE Transactions on Nuclear Science</i> , 1995, 42, 2298-2302.	2.0	18
84	Extending light WIMP searches to single scintillation photons in LUX. <i>Physical Review D</i> , 2020, 101, . <math display="block">\frac{Zr(Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td)}{96} <td>4.7</td> <td>18</td>	4.7	18
85		2.9	17
86	Low temperature performance of photomultiplier tubes illuminated in pulsed mode by visible and vacuum ultraviolet light. <i>Review of Scientific Instruments</i> , 1997, 68, 34-40.	1.3	15
87	Detection of scintillation light of liquid xenon with a LAAPD. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 488, 572-578.	1.6	15
88	New approach to the calculation of the refractive index of liquid and solid xenon. <i>Journal of Chemical Physics</i> , 2005, 123, 234508.	3.0	15
89	Progress in timing Resistive Plate Chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 535, 272-276.	1.6	15
90	Low-temperature performance of a large area avalanche photodiode. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 504, 53-57.	1.6	14

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91	GEM operation in double-phase xenon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 598, 126-129.	1.6	14
92	Measurement of the $^{236}\text{U}(n,f)$ cross section from 170 meV to 2 MeV at the CERNn_TOFacility. Physical Review C, 2011, 84, .	2.9	14
93	Liquid xenon multiwire chamber for positron tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 367, 58-61.	1.6	13
94	FPGA-based trigger system for the LUX dark matter experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 818, 57-67.	1.6	12
95	Measurement of the gamma ray background in the Davis cavern at the Sanford Underground Research Facility. Astroparticle Physics, 2020, 116, 102391.	4.3	12
96	Two-dimensional readout in a liquid xenon ionisation chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 184-190.	1.6	11
97	Liquid rare gas detectors: recent developments and applications. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 994-1005.	2.9	11
98	Performance of a chamber for studying the liquid xenon response to γ -rays and nuclear recoils. IEEE Transactions on Nuclear Science, 2005, 52, 2793-2800.	2.0	11
99	The measurement of the $^{206}\text{Pb}(n, \hat{1}^3)$ cross section and stellar implications. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014020.	3.6	11
100	A model of the reflection distribution in the vacuum ultra violet region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 59-62.	1.6	11
101	ZE3RA: the ZEPLIN-III Reduction and Analysis package. Journal of Instrumentation, 2011, 6, P11004-P11004.	1.2	11
102	Room temperature liquid ionization chambers using tetramethylsilane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 241, 607-609.	1.6	10
103	Primary scintillation yield and ratio in liquid xenon. Radiation Physics and Chemistry, 2005, 74, 160-167.	2.8	9
104	Measuring the angular profile of the reflection of xenon scintillation light. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 322-325.	1.6	9
105	Measurement of the neutron-induced fission cross-section of ^{241}Am at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	9
106	Radon-related Backgrounds in the LUX Dark Matter Search. Physics Procedia, 2015, 61, 658-665.	1.2	9
107	First direct detection constraint on mirror dark matter kinetic mixing using LUX 2013 data. Physical Review D, 2020, 101, .	4.7	9
108	Study of Photon Strength Function of Actinides: the Case of ^{235}U , ^{238}Np and ^{241}Pu . Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.7	9

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109	Ionisation of gaseous and liquid sulphur hexafluoride by ^{60}Co \hat{I}^3 -radiation. Journal Physics D: Applied Physics, 1986, 19, L107-L110.	2.8	8
110	Nuclear physics for the Re/Os clock. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014015.	3.6	8
111	Results from the LUX dark matter experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 504-507.	1.6	8
112	Measurement of the $^{151}\text{Sm}(n,\hat{I}^3)^{152}\text{Sm}$ cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	1.5	7
113	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	1.5	7
114	Neutron reactions and nuclear cosmo-chronology. Progress in Particle and Nuclear Physics, 2007, 59, 165-173.	14.4	7
115	Calibration of photomultiplier arrays. Astroparticle Physics, 2010, 33, 13-18.	4.3	7
116	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	1.5	7
117	Pulse processing for the PET liquid xenon multiwire ionisation chamber. IEEE Transactions on Nuclear Science, 2000, 47, 2119-2126.	2.0	6
118	Detectors for medical radioisotope imaging: demands and perspectives. Radiation Physics and Chemistry, 2004, 71, 683-692.	2.8	6
119	Operation of gas electron multipliers in pure xenon at low temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 331-334.	1.6	6
120	Rayleigh to compton differential cross-section ratios in liquid xenon. X-Ray Spectrometry, 1999, 28, 384-387.	1.4	5
121	Liquid-xenon \hat{I}^3 -camera with ionisation readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 435-439.	1.6	5
122	The ZEPLIN II dark matter detector: Data acquisition system and data reduction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 101-109.	1.6	5
123	Projected sensitivity of the LUX-ZEPLIN experiment to the two-neutrino and neutrinoless double decays of \hat{I}^2	2.9	5
124	Ionization of Liquid Tetramethyl Germanium by ^{60}Co - \hat{I}^3 -Radiation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 832-834.	1.5	4
125	Preliminary results on position reconstruction for ZEPLIN III. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 200-203.	1.6	4
126	Performance data from the ZEPLIN-III second science run. Journal of Instrumentation, 2012, 7, C03044-C03044.	1.2	4

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127	Low temperature test of photomultiplier tubes. Applied Radiation and Isotopes, 1995, 46, 495-496.	1.5	3
128	Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. AIP Conference Proceedings, 2005, , . Publisher's Note: Measurements of resolved resonances of ^{232}Th	0.4	3
129	$\text{Th}(\text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td}_3$	2.9	
130	LUX Cryogenics and Circulation. Physics Procedia, 2012, 37, 1122-1130.	1.2	3
131	First Results of the LUX Dark Matter Experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 309-313.	0.5	3
132	Fission Cross-section Measurements of ^{233}U , ^{245}Cm and $^{241};^{243}\text{Am}$ at CERN n_TOF Facility. Journal of the Korean Physical Society, 2011, 59, 1912-1915.	0.7	3
133	Ionization of some molecular gases by ^{60}Co - γ -Radiation: W-values. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1987, 29, 93-95.	0.0	2
134	Long term stability of collected charge in tetramethylsilane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 598-599.	1.6	2
135	Mini-strip ionization chamber for $\hat{\Gamma}^3$ -ray imaging. IEEE Transactions on Nuclear Science, 2003, 50, 122-125.	2.0	2
136	Measurements of the $^{90,91,92,94,96}\text{Zr}(n, \hat{\Gamma}^3)$ cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	1.5	2
137	A study of cosmic ray secondaries induced by the Mir space station using AMS-01. Nuclear Instruments & Methods in Physics Research B, 2005, 234, 321-332.	1.4	2
138	Neutron cross section measurements at n-TOF for ADS related studies. Journal of Physics: Conference Series, 2006, 41, 352-360.	0.4	2
139	Neutron-induced fission cross section measurement of ^{233}U , ^{241}Am and ^{243}Am in the energy range $0.5 \text{ MeV} \hat{\otimes}^{1/2} <i>E</i> </sub> <i>n</i> </sub> \hat{\otimes}^{1/2} 20 \text{ MeV}$ at n_TOF $\hat{\pm} 1.5$ CERN. Physica Scripta, 2012, T150, 014005.		2
140	LUX trigger efficiency. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 401-410.	1.6	2
141	Neutron Capture Measurements on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.7	2
142	$^{237}\text{Np}(n,f)$ Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.7	2
143	Analysis of electronic conduction pulses produced in liquid ionization chambers by high-energy radiation. IEEE Transactions on Electrical Insulation, 1988, 23, 937-940.	0.8	1
144	A cryogenic chamber for scattering measurements. Nuclear Instruments & Methods in Physics Research B, 1999, 152, 150-156.	1.4	1

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145	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.4	1
146	The ZEPLIN III Detector; Results from Surface Calibrations. Nuclear Physics, Section B, Proceedings Supplements, 2007, 173, 108-112.	0.4	1
147	Reflection of the xenon scintillation light from Polytetrafluoroethylene (PTFE). , 2008, , .		1
148	Results from the first science run of ZEPLIN-III. Journal of Physics: Conference Series, 2010, 203, 012025.	0.4	1
149	The [²³⁷ Np(n,f) cross section at the CERN n-TOF facility. , 2011, , .		1
150	Position reconstruction in a dual phase xenon scintillation detector. , 2011, , .		1
151	A low-mass neutron flux monitor for the n _TOF facility at CERN. Brazilian Journal of Physics, 2004, 34, 914-918.	1.4	1
152	Search for two neutrino double electron capture of ¹²⁴ Xe and ¹²⁶ Xe in the full exposure of the LUX detector. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 105105.	3.6	1
153	Passage of electric current through liquid WF/sub 6/. IEEE Transactions on Electrical Insulation, 1991, 26, 636-640.	0.8	0
154	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.4	0
155	Editorial: Dielectric liquids. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 455-455.	2.9	0
156	Measurements of neutron capture cross-sections at n_TOF. AIP Conference Proceedings, 2007, , .	0.4	0
157	Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the n_TOF Facility at CERN. AIP Conference Proceedings, 2007, , .	0.4	0
158	ZEPLIN-II limits on WIMP-nucleon interactions. , 2009, , .		0
159	ASTROPHYSICS AT n_TOF FACILITY. , 2010, , .		0
160	Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at n_TOF. , 2010, , .		0
161	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.4	0
162	A measurement of the muon-induced neutron yield in lead at a depth of 2850 m water equivalent. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
163	The LUX Experiment. Physics Procedia, 2015, 61, 74-76.	1.2	0
164	THE ZEPLIN III DETECTOR: RESULTS FROM SURFACE CALIBRATIONS. , 2007, , .		0
165	High-energy Neutron-induced Fission Cross Sections of Natural Lead and Bismuth-209. Journal of the Korean Physical Society, 2011, 59, 1904-1907.	0.7	0
166	A machine learning-based methodology for pulse classification inÂdual-phase xenon time projection chambers. European Physical Journal C, 2022, 82, .	3.9	0