

# Susana Cebrian

## List of Publications by Year in descending order

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262  
papers

5,529  
citations

101384

36  
h-index

102304

66  
g-index

265  
all docs

265  
docs citations

265  
times ranked

2309  
citing authors

#	ARTICLE	IF	CITATIONS
1	First Results from the CERN Axion Solar Telescope. <i>Physical Review Letters</i> , 2005, 94, 121301.	2.9	298
2	IGEX76 Neutrinoless double-beta decay experiment: Prospects for next generation experiments. <i>Physical Review D</i> , 2002, 65, .	1.6	293
3	CUORE: a cryogenic underground observatory for rare events. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 518, 775-798.	0.7	269
4	An improved limit on the axion-photon coupling from the CAST experiment. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 010-010.	1.9	211
5	Results from a search for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \hat{\epsilon}, \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{1}/2 \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{1}^2 \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{1}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Te} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 130 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ . <i>Physical Review C</i> , 2008, 78, .	1.1	191
6	Probing new physics models of neutrinoless double beta decay with SuperNEMO. <i>European Physical Journal C</i> , 2010, 70, 927-943.	1.4	170
7	THE CASE FOR A DIRECTIONAL DARK MATTER DETECTOR AND THE STATUS OF CURRENT EXPERIMENTAL EFFORTS. <i>International Journal of Modern Physics A</i> , 2010, 25, 1-51.	0.5	151
8	Physics potential of the International Axion Observatory (IAXO). <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 047-047.	1.9	135
9	Feebly-interacting particles: FIPs 2020 workshop report. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	130
10	Probing eV-scale axions with CAST. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 008-008.	1.9	120
11	First results on neutrinoless double beta decay of $^{130}\text{Te}$ with the calorimetric CUORICINO experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 584, 260-268.	1.5	93
12	New Limit on the Neutrinoless $\hat{1}^2 \hat{1}^2$ Decay of $^{130}\text{Te}$ . <i>Physical Review Letters</i> , 2005, 95, 142501.	2.9	93
13	Direct detection of dark matter – APPEC committee report*. <i>Reports on Progress in Physics</i> , 2022, 85, 056201.	8.1	92
14	PandaX-III: Searching for neutrinoless double beta decay with high pressure $^{136}\text{Xe}$ gas time projection chambers. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	2.0	86
15	Sensitivity of NEXT-100 to neutrinoless double beta decay. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	85
16	Particle dark matter and solar axion searches with a small germanium detector at the Canfranc Underground Laboratory. <i>Astroparticle Physics</i> , 2002, 16, 325-332.	1.9	79
17	First Results on Dark Matter Annual Modulation from the ANAIS-112 Experiment. <i>Physical Review Letters</i> , 2019, 123, 031301.	2.9	70
18	Readout technologies for directional WIMP Dark Matter detection. <i>Physics Reports</i> , 2016, 662, 1-46.	10.3	68

#	ARTICLE	IF	CITATIONS
19	Physics potential and prospects for the CUORICINO and CUORE experiments. <i>Astroparticle Physics</i> , 2003, 20, 91-110.	1.9	64
20	NEXT-100 Technical Design Report (TDR). Executive summary. <i>Journal of Instrumentation</i> , 2012, 7, T06001-T06001.	0.5	62
21	Improved constraints on wimps from the international germanium experiment IGEX. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 532, 8-14.	1.5	60
22	Annual modulation results from three-year exposure of ANAIS-112. <i>Physical Review D</i> , 2021, 103, .	1.6	58
23	Radiopurity of micromegas readout planes. <i>Astroparticle Physics</i> , 2011, 34, 354-359.	1.9	54
24	Near-intrinsic energy resolution for $^{66}\text{Ge}$ gamma rays in a high pressure xenon electroluminescent TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 708, 101-114.	0.7	52
25	The x-ray telescope of CAST. <i>New Journal of Physics</i> , 2007, 9, 169-169.	1.2	49
26	First underground light versus heat discrimination for dark matter search. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 563, 48-52.	1.5	48
27	The IGEX experiment reexamined: A response to the critique of Klapdor-Kleingrothaus, Dietz, and Krivosheina. <i>Physical Review D</i> , 2004, 70, .	1.6	47
28	Analysis of backgrounds for the ANAIS-112 dark matter experiment. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	47
29	Present Status and Future Perspectives of the NEXT Experiment. <i>Advances in High Energy Physics</i> , 2014, 2014, 1-22.	0.5	46
30	Recent results of the IGEX $^{76}\text{Ge}$ double-beta decay experiment. <i>Physics of Atomic Nuclei</i> , 2000, 63, 1225-1228.	0.1	44
31	Background rejection in NEXT using deep neural networks. <i>Journal of Instrumentation</i> , 2017, 12, T01004-T01004.	0.5	43
32	Cosmogenic activation in germanium and copper for rare event searches. <i>Astroparticle Physics</i> , 2010, 33, 316-329.	1.9	41
33	First proof of topological signature in the high pressure xenon gas TPC with electroluminescence amplification for the NEXT experiment. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	40
34	Demonstration of Single-Barium-Ion Sensitivity for Neutrinoless Double-Beta Decay Using Single-Molecule Fluorescence Imaging. <i>Physical Review Letters</i> , 2018, 120, 132504.	2.9	40
35	New constraints on WIMPS from the Canfranc IGEX dark matter search. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 489, 268-272.	1.5	39
36	Assessment of backgrounds of the ANAIS experiment for dark matter direct detection. <i>European Physical Journal C</i> , 2016, 76, 1.	1.4	39

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37	First results of the ROSEBUD dark matter experiment. <i>Astroparticle Physics</i> , 2001, 15, 79-85.	1.9	36
38	Performance of ANAIS-112 experiment after the first year of data taking. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	36
39	Initial results of NEXT-DEMO, a large-scale prototype of the NEXT-100 experiment. <i>Journal of Instrumentation</i> , 2013, 8, P04002-P04002.	0.5	35
40	Prospects of solar axion searches with crystal detectors. <i>Astroparticle Physics</i> , 1999, 10, 397-404.	1.9	34
41	Search for 14.4 keV solar axions emitted in the M1-transition of $^{57}\text{Fe}$ nuclei with CAST. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 002-002.	1.9	34
42	Preliminary results of ANAIS-25. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 742, 187-190.	0.7	33
43	Bolometric WIMP search at Canfranc with different absorbers. <i>Astroparticle Physics</i> , 2004, 21, 23-34.	1.9	32
44	ANAIS-112 sensitivity in the search for dark matter annual modulation. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	32
45	Neutron background at the Canfranc underground laboratory and its contribution to the IGEX-DM dark matter experiment. <i>Astroparticle Physics</i> , 2004, 21, 523-533.	1.9	31
46	Background model for a NaI (Tl) detector devoted to dark matter searches. <i>Astroparticle Physics</i> , 2012, 37, 60-69.	1.9	31
47	Operation and first results of the NEXT-DEMO prototype using a silicon photomultiplier tracking array. <i>Journal of Instrumentation</i> , 2013, 8, P09011-P09011.	0.5	31
48	Cosmogenic production of tritium in dark matter detectors. <i>Astroparticle Physics</i> , 2018, 97, 96-105.	1.9	31
49	The NEXT White (NEW) detector. <i>Journal of Instrumentation</i> , 2018, 13, P12010-P12010.	0.5	31
50	Micromegas-TPC operation at high pressure in xenon-trimethylamine mixtures. <i>Journal of Instrumentation</i> , 2013, 8, P01012-P01012.	0.5	30
51	Cosmogenic radionuclide production in NaI(Tl) crystals. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 046-046.	1.9	30
52	TREX-DM: a low-background Micromegas-based TPC for low-mass WIMP detection. <i>European Physical Journal C</i> , 2016, 76, 529.	1.4	30
53	Pulse-shape discrimination in the IGEX experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 515, 634-643.	0.7	29
54	Accurate $^3\text{He}$ and MeV-electron track reconstruction with an ultra-low diffusion Xenon/TMA TPC at 10 atm. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 804, 8-24.	0.7	29

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55	Cosmogenic activation of materials. <i>International Journal of Modern Physics A</i> , 2017, 32, 1743006.	0.5	28
56	Conceptual design of BabyIAXO, the intermediate stage towards the International Axion Observatory. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	28
57	Performances and prospects of the ?ROSEBUD? dark matter search experiment. <i>Astroparticle Physics</i> , 1999, 10, 361-368.	1.9	27
58	The CAST time projection chamber. <i>New Journal of Physics</i> , 2007, 9, 171-171.	1.2	27
59	Sensitivity of a tonne-scale NEXT detector for neutrinoless double-beta decay searches. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	27
60	Current IGEX results for neutrinoless double-beta decay of $^{76}\text{Ge}$ . <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 87, 278-280.	0.5	25
61	Slow scintillation time constants in NaI(Tl) for different interacting particles. <i>Optical Materials</i> , 2013, 36, 316-320.	1.7	25
62	Results of the BiPo-1 prototype for radiopurity measurements for the SuperNEMO double beta decay source foils. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 622, 120-128.	0.7	24
63	Gaseous time projection chambers for rare event detection: results from the T-REX project. I. Double beta decay. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 033-033.	1.9	24
64	Improved limits for natural $\hat{I}\pm$ radioactivity of tungsten with a $\text{CaWO}_4$ scintillating bolometer. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 556, 14-20.	1.5	23
65	Micromegas readouts for double beta decay searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 010-010.	1.9	22
66	Radiopurity control in the NEXT-100 double beta decay experiment: procedures and initial measurements. <i>Journal of Instrumentation</i> , 2013, 8, T01002-T01002.	0.5	22
67	Characterisation of NEXT-DEMO using xenon $\text{K}\hat{I}\pm$ X-rays. <i>Journal of Instrumentation</i> , 2014, 9, P10007-P10007.	0.5	22
68	Background assessment for the T-REX dark matter experiment. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	22
69	Sensitivity plots for WIMP direct detection using the annual modulation signature. <i>Astroparticle Physics</i> , 2001, 14, 339-350.	1.9	21
70	Ionization and scintillation response of high-pressure xenon gas to alpha particles. <i>Journal of Instrumentation</i> , 2013, 8, P05025-P05025.	0.5	21
71	Gaseous time projection chambers for rare event detection: results from the T-REX project. II. Dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 034-034.	1.9	21
72	Radiopurity assessment of the tracking readout for the NEXT double beta decay experiment. <i>Journal of Instrumentation</i> , 2015, 10, P05006-P05006.	0.5	20

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73	Calibration of the NEXT-White detector using $^{83m}\text{Kr}$ decays. Journal of Instrumentation, 2018, 13, P10014-P10014.	0.5	20
74	Status of the ANAIS experiment at Canfranc. Nuclear Physics, Section B, Proceedings Supplements, 2003, 114, 111-115.	0.5	19
75	Light yield of undoped sapphire at low temperature under particle excitation. Applied Physics Letters, 2005, 87, 264102.	1.5	19
76	Assessment of material radiopurity for Rare Event experiments using Micromegas. Journal of Instrumentation, 2013, 8, C11012-C11012.	0.5	19
77	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	0.5	19
78	Microscopic simulation of xenon-based optical TPCs in the presence of molecular additives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 157-172.	0.7	18
79	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. European Physical Journal C, 2021, 81, 1.	1.4	18
80	Characterization of a medium size Xe/TMA TPC instrumented with microbulk Micromegas, using low-energy $^{137}\text{I}$ -rays. Journal of Instrumentation, 2014, 9, C04015-C04015.	0.5	17
81	Light yield determination in large sodium iodide detectors applied in the search for dark matter. Astroparticle Physics, 2017, 93, 86-95.	1.9	17
82	Helium-Xenon mixtures to improve the topological signature in high pressure gas xenon TPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 82-90.	0.7	17
83	The BiPo-3 detector for the measurement of ultra low natural radioactivities of thin materials. Journal of Instrumentation, 2017, 12, P06002-P06002.	0.5	17
84	Measurements of proton-induced radionuclide production cross sections to evaluate cosmic-ray activation of tellurium. Nuclear Instruments & Methods in Physics Research B, 2013, 295, 16-21.	0.6	16
85	Analysis of the $^{40}\text{K}$ contamination in $\text{NaI(Tl)}$ crystals from different providers in the frame of the ANAIS project. International Journal of Modern Physics A, 2014, 29, 1443010.	0.5	16
86	ANAIS-112 status: two years results on annual modulation. Journal of Physics: Conference Series, 2020, 1468, 012014.	0.3	16
87	Update on the ANAIS experiment. ANAIS-0 prototype results at the new Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2012, 375, 012026.	0.3	15
88	Bulk $\text{NaI(Tl)}$ scintillation low energy events selection with the ANAIS-0 module. European Physical Journal C, 2014, 74, 1.	1.4	15
89	From ANAIS-25 towards ANAIS-250. Physics Procedia, 2015, 61, 157-162.	1.2	15
90	Radiopurity assessment of the energy readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2017, 12, T08003-T08003.	0.5	15

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91	Pattern recognition of $^{136}\text{Xe}$ double beta decay events and background discrimination in a high pressure xenon TPC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 125203.	1.4	14
92	Background reduction and sensitivity for germanium double beta decay experiments. <i>Astroparticle Physics</i> , 2007, 28, 435-447.	1.9	13
93	Search for solar axion emission from $^7\text{Li}$ and $D(p, \hat{1}^3)^3\text{He}$ nuclear decays with the CAST $\hat{1}^3$ -ray calorimeter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 032-032.	1.9	13
94	SiPMs coated with TPB: coating protocol and characterization for NEXT. <i>Journal of Instrumentation</i> , 2012, 7, P02010-P02010.	0.5	13
95	Description and commissioning of NEXT-MM prototype: first results from operation in a Xenon-Trimethylamine gas mixture. <i>Journal of Instrumentation</i> , 2014, 9, P03010-P03010.	0.5	13
96	Secondary scintillation yield of xenon with sub-percent levels of $\text{CO}_2$ additive for rare-event detection. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 663-671.	1.5	13
97	Study of the cosmogenic activation in $\text{NaI(Tl)}$ crystals within the ANAIS experiment. <i>International Journal of Modern Physics A</i> , 2018, 33, 1843006.	0.5	13
98	Electron drift and longitudinal diffusion in high pressure xenon-helium gas mixtures. <i>Journal of Instrumentation</i> , 2019, 14, P08009-P08009.	0.5	13
99	Electroluminescence TPCs at the thermal diffusion limit. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	13
100	Energy calibration of the NEXT-White detector with 1% resolution near $Q_{\hat{1}^2}$ of $^{136}\text{Xe}$ . <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	13
101	Topological background discrimination in the PandaX-III neutrinoless double beta decay experiment. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 045108.	1.4	13
102	Cosmogenic Activation in Double Beta Decay Experiments. <i>Universe</i> , 2020, 6, 162.	0.9	13
103	Demonstration of background rejection using deep convolutional neural networks in the NEXT experiment. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	13
104	The first step toward CUORE: Cuoricino, a thermal detector array to search for rare events. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 87, 78-80.	0.5	12
105	A cryogenic underground observatory for rare events: CUORE, an update. <i>Physics of Atomic Nuclei</i> , 2003, 66, 452-457.	0.1	12
106	Ionization and scintillation of nuclear recoils in gaseous xenon. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 793, 62-74.	0.7	12
107	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 043.	1.9	12
108	Separating $^{39}\text{Ar}$ from $^{40}\text{Ar}$ by cryogenic distillation with Aria for dark-matter searches. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	12

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109	Measurement of radon-induced backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
110	Initial results on energy resolution of the NEXT-White detector. Journal of Instrumentation, 2018, 13, P10020-P10020.	0.5	11
111	Radiogenic backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
112	Status of the ROSEBUD Dark Matter search experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 315-318.	0.7	10
113	The NEXT experiment. Journal of Physics: Conference Series, 2009, 179, 012005.	0.3	10
114	Spectral modeling of scintillator for the NEMO-3 and SuperNEMO detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 625, 20-28.	0.7	10
115	Status of R&D on Micromegas for Rare Event Searches : The T-REX project. EAS Publications Series, 2012, 53, 147-154.	0.3	10
116	Radon and material radiopurity assessment for the NEXT double beta decay experiment. AIP Conference Proceedings, 2015, , .	0.3	10
117	Electron drift properties in high pressure gaseous xenon. Journal of Instrumentation, 2018, 13, P07013-P07013.	0.5	10
118	Demonstration of the event identification capabilities of the NEXT-White detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
119	REST-for-Physics, a ROOT-based framework for event oriented data analysis and combined Monte Carlo response. Computer Physics Communications, 2022, 273, 108281.	3.0	10
120	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Xe} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 136 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ two-neutrino double- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay half-life via direct background subtraction in NEXT. Physical Review C, 2022, 105, .	1.1	10
121	An improved measurement of electron-ion recombination in high-pressure xenon gas. Journal of Instrumentation, 2015, 10, P03025-P03025.	0.5	9
122	Mitigation of backgrounds from cosmogenic <sup>137</sup> Xe in xenon gas experiments using <sup>3</sup> He neutron capture. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 075001.	1.4	9
123	New results of the WIMP search with the first IGEX Ge detectors. Physics of Atomic Nuclei, 2000, 63, 1268-1271.	0.1	8
124	The cern axion solar telescope (CAST). Nuclear Physics, Section B, Proceedings Supplements, 2002, 110, 85-87.	0.5	8
125	Status of the non-cryogenic dark matter searches at the Canfranc Underground Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 147-149.	0.5	8
126	Recent developments on scintillating bolometers for WIMP searches: ROSEBUD status. Journal of Physics: Conference Series, 2006, 39, 133-135.	0.3	8



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127	Development of Micromegas for neutrinoless double beta decay searches. Journal of Instrumentation, 2009, 4, P11016-P11016.	0.5	8
128	Radiopurity control in the NEXT-100 double beta decay experiment. , 2013, , .		8
129	Study of scintillation in natural and synthetic quartz and methacrylate. Optical Materials, 2014, 36, 1408-1417.	1.7	8
130	Status of the ANAIS Dark Matter Project at the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2016, 718, 042052.	0.3	8
131	Application and performance of an ML-EM algorithm in NEXT. Journal of Instrumentation, 2017, 12, P08009-P08009.	0.5	8
132	High voltage insulation and gas absorption of polymers in high pressure argon and xenon gases. Journal of Instrumentation, 2018, 13, P10002-P10002.	0.5	8
133	Neutral Bremsstrahlung Emission in Xenon Unveiled. Physical Review X, 2022, 12, .	2.8	8
134	Using wavelets to reject background in dark matter experiments. Astroparticle Physics, 2003, 20, 247-256.	1.9	7
135	Cosmogenic activation in germanium double beta decay experiments. Journal of Physics: Conference Series, 2006, 39, 344-346.	0.3	7
136	The CUORICINO and CUORE double beta decay experiments. Progress in Particle and Nuclear Physics, 2006, 57, 203-216.	5.6	7
137	Rare event searches based on Micromegas detectors: the T-REX project. Journal of Physics: Conference Series, 2012, 375, 022003.	0.3	7
138	Design and characterization of the SiPM tracking system of NEXT-DEMO, a demonstrator prototype of the NEXT-100 experiment. Journal of Instrumentation, 2013, 8, T05002-T05002.	0.5	7
139	ROSEBUD-II. Light-heat discrimination with scintillating bolometers underground. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 519-521.	0.5	6
140	CUORICINO status and CUORE prospects. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 268-271.	0.5	6
141	The cern axion solar telescope (CAST): an update. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 41-44.	0.5	6
142	Neutrons from rock radioactivity in the new Canfranc underground laboratory. Journal of Physics: Conference Series, 2006, 39, 151-153.	0.3	6
143	CHARACTERIZATION OF THE CANFRANC UNDERGROUND LABORATORY: STATUS AND FUTURE PLANS. , 2007, , .		6
144	The CERN axion solar telescope (CAST): status and prospects. Nuclear Physics, Section B, Proceedings Supplements, 2003, 114, 75-80.	0.5	5

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145	Further developments in the CUORICINO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 352-354.	0.7	5
146	Micromegas-TPC operation at high pressure in Xenon-trimethylamine mixtures. Journal of Physics: Conference Series, 2013, 460, 012012.	0.3	5
147	The NEXT experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1732-1739.	0.2	5
148	Radio frequency and DC high voltage breakdown of high pressure helium, argon, and xenon. Journal of Instrumentation, 2020, 15, P04022-P04022.	0.5	5
149	Double beta decay experiments at Canfranc Underground Laboratory. Progress in Particle and Nuclear Physics, 2020, 114, 103807.	5.6	5
150	First results from the Cuoricino experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 132-134.	0.7	4
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