

# Cecilia Levy

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

939  
citations

567281

15  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Projected WIMP sensitivity of the LUX-ZEPLIN dark matter experiment. Physical Review D, 2020, 101, .	4.7	141
2	First axion results from the XENON100 experiment. Physical Review D, 2014, 90, .	4.7	108
3	The LUX-ZEPLIN (LZ) experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 953, 163047.	1.6	105
4	XENON100 dark matter results from a combination of 477 live days. Physical Review D, 2016, 94, .	4.7	92
5	Low-mass dark matter search using ionization signals in XENON100. Physical Review D, 2016, 94, .	4.7	86
6	Lowering the radioactivity of the photomultiplier tubes for the XENON1T dark matter experiment. European Physical Journal C, 2015, 75, 1.	3.9	63
7	Response of the XENON100 dark matter detector to nuclear recoils. Physical Review D, 2013, 88, .	4.7	53
8	Analysis of the XENON100 dark matter search data. Astroparticle Physics, 2014, 54, 11-24.	4.3	45
9	The LUX-ZEPLIN (LZ) radioactivity and cleanliness control programs. European Physical Journal C, 2020, 80, 1.	3.9	38
10	Search for Event Rate Modulation in XENON100 Electronic Recoil Data. Physical Review Letters, 2015, 115, 091302.	7.8	35
11	The neutron background of the XENON100 dark matter search experiment. Journal of Physics C: Nuclear and Particle Physics, 2013, 40, 115201.	3.6	28
12	A Review of Basic Energy Reconstruction Techniques in Liquid Xenon and Argon Detectors for Dark Matter and Neutrino Physics Using NEST. Instruments, 2021, 5, 13.	1.8	26
13	Identification of radiopure titanium for the LZ dark matter experiment and future rare event searches. Astroparticle Physics, 2017, 96, 1-10.	4.3	24
14	Projected sensitivity of the LUX-ZEPLIN experiment to the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \hat{1}^{\frac{1}{2}} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{1}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Xe} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 136 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ decay of $^{136}\text{Xe}$ . Physical Review C, 2020, 102, .	2.9	23
15	Simulations of events for the LUX-ZEPLIN (LZ) dark matter experiment. Astroparticle Physics, 2021, 125, 102480.	4.3	16
16	Investigating the XENON1T low-energy electronic recoil excess using NEST. Physical Review D, 2021, 103, .	4.7	15
17	Projected sensitivities of the LUX-ZEPLIN experiment to new physics via low-energy electron recoils. Physical Review D, 2021, 104, .	4.7	15
18	Measurement of the gamma ray background in the Davis cavern at the Sanford Underground Research Facility. Astroparticle Physics, 2020, 116, 102391.	4.3	12

#	ARTICLE	IF	CITATIONS
19	Cosmogenic production of $^{37}\text{Ar}$ in Projected sensitivity of the LUX-ZEPLIN experiment to the two-neutrino and neutrinoless double decays of $^{134}\text{Xe}$ . Physical Review C, 2021, 104, .	4.7	6
20	Decays of $^{134}\text{Xe}$ . Physical Review C, 2021, 104, .	2.9	5
21	Demonstration of neutron radiation-induced nucleation of supercooled water. Physical Chemistry Chemical Physics, 2021, 23, 13440-13446.	2.8	3