

# Cecilia Levy

## List of Publications by Year in descending order

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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	Cosmogenic production of $^{37}\text{Ar}$ in the context of the LUX-ZEPLIN experiment. <i>Physical Review D</i> , 2022, 105, .	4.7	6
2	Simulations of events for the LUX-ZEPLIN (LZ) dark matter experiment. <i>Astroparticle Physics</i> , 2021, 125, 102480.	4.3	16
3	Demonstration of neutron radiation-induced nucleation of supercooled water. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13440-13446.	2.8	3
4	Investigating the XENON1T low-energy electronic recoil excess using NEST. <i>Physical Review D</i> , 2021, 103, .	4.7	15
5	A Review of Basic Energy Reconstruction Techniques in Liquid Xenon and Argon Detectors for Dark Matter and Neutrino Physics Using NEST. <i>Instruments</i> , 2021, 5, 13.	1.8	26
6	Projected sensitivities of the LUX-ZEPLIN experiment to new physics via low-energy electron recoils. <i>Physical Review D</i> , 2021, 104, .	4.7	15
7	Projected sensitivity of the LUX-ZEPLIN experiment to the two-neutrino and neutrinoless double decays of $^{136}\text{Xe}$ . <i>Physical Review C</i> , 2021, 104, .	2.9	5
8	Measurement of the gamma ray background in the Davis cavern at the Sanford Underground Research Facility. <i>Astroparticle Physics</i> , 2020, 116, 102391.	4.3	12
9	The LUX-ZEPLIN (LZ) experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 953, 163047.	1.6	105
10	The LUX-ZEPLIN (LZ) radioactivity and cleanliness control programs. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	38
11	Projected WIMP sensitivity of the LUX-ZEPLIN dark matter experiment. <i>Physical Review D</i> , 2020, 101, .	4.7	141
12	Projected sensitivity of the LUX-ZEPLIN experiment to the decay of $^{136}\text{Xe}$ . <i>Physical Review C</i> , 2020, 102, .	2.9	23
13	Identification of radiopure titanium for the LZ dark matter experiment and future rare event searches. <i>Astroparticle Physics</i> , 2017, 96, 1-10.	4.3	24
14	XENON100 dark matter results from a combination of 477 live days. <i>Physical Review D</i> , 2016, 94, .	4.7	92
15	Low-mass dark matter search using ionization signals in XENON100. <i>Physical Review D</i> , 2016, 94, .	4.7	86
16	Search for Event Rate Modulation in XENON100 Electronic Recoil Data. <i>Physical Review Letters</i> , 2015, 115, 091302.	7.8	35
17	Lowering the radioactivity of the photomultiplier tubes for the XENON1T dark matter experiment. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	63
18	First axion results from the XENON100 experiment. <i>Physical Review D</i> , 2014, 90, .	4.7	108

#	ARTICLE	IF	CITATIONS
19	Analysis of the XENON100 dark matter search data. <i>Astroparticle Physics</i> , 2014, 54, 11-24.	4.3	45
20	Response of the XENON100 dark matter detector to nuclear recoils. <i>Physical Review D</i> , 2013, 88, .	4.7	53
21	The neutron background of the XENON100 dark matter search experiment. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 115201.	3.6	28