Kareem Kazkaz

List of Publications by Year
in descending order

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37 papers	2,295 citations	304743 22 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	4849 citing authors

#	Article	IF	Citations
1	Simulations of events for the LUX-ZEPLIN (LZ) dark matter experiment. Astroparticle Physics, 2021, 125, 102480.	4.3	16
2	Using cyclotron radiation emission for ultra-high resolution x-ray spectroscopy. New Journal of Physics, 2021, 23, 033043.	2.9	1
3	Bayesian analysis of a future <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> decay experiment's sensitivity to neutrino mass scale and ordering. Physical Review C, 2021, 103, .	2.9	9
4	Design considerations for three-dimensional betavoltaics. AIP Advances, 2019, 9, .	1.3	16
5	Results of a Search for Sub-GeV Dark Matter Using 2013 LUX Data. Physical Review Letters, 2019, 122, 131301.	7.8	119
6	Low-Energy Physics Reach of Xenon Detectors for Nuclear-Recoil-Based Dark Matter and Neutrino Experiments. Physical Review Letters, 2019, 123, 231106.	7.8	14
7	Chromatographic separation of radioactive noble gases from xenon. Astroparticle Physics, 2018, 97, 80-87.	4.3	20
8	Three-Dimensionally Structured Betavoltaics. , 2018, , .		0
9	Position reconstruction in LUX. Journal of Instrumentation, 2018, 13, P02001-P02001.	1.2	25
10	Determining the neutrino mass with cyclotron radiation emission spectroscopyâ€”Project 8. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 054004.	3.6	78
11	Identification of radiopure titanium for the LZ dark matter experiment and future rare event searches. Astroparticle Physics, 2017, 96, 1-10.	4.3	24
12	3D modeling of electric fields in the LUX detector. Journal of Instrumentation, 2017, 12, P11022-P11022.	1.2	21
13	First Searches for Axions and Axionlike Particles with the LUX Experiment. Physical Review Letters, 2017, 118, 261301.	7.8	108
14	Limits on Spin-Dependent WIMP-Nucleon Cross Section Obtained from the Complete LUX Exposure. Physical Review Letters, 2017, 118, 251302.	7.8	175
15	Improved Limits on Scattering of Weakly Interacting Massive Particles from Reanalysis of 2013 LUX Data. Physical Review Letters, 2016, 116, 161301.	7.8	333
16	Results on the Spin-Dependent Scattering of Weakly Interacting Massive Particles on Nucleons from the Run 3 Data of the LUX Experiment. Physical Review Letters, 2016, 116, 161302.	7.8	146
17	An estimation of photon scattering length in tetraphenyl-butadiene. Journal of Instrumentation, 2016, 11, C03025-C03025.	1.2	6
18	A Global Analysis of Light and Charge Yields in Liquid Xenon. IEEE Transactions on Nuclear Science, 2015, 62, 3387-3396.	2.0	71

#	Article	IF	Citations
19	Radiogenic and muon-induced backgrounds in the LUX dark matter detector. Astroparticle Physics, 2015, 62, 33-46.	4.3	71
20	First Measurement of the Ionization Yield of Nuclear Recoils in Liquid Argon. Physical Review Letters, 2014, 112, 171303.	7.8	30
21	Modeling pulse characteristics in Xenon with NEST. Journal of Instrumentation, 2014, 9, T04002-T04002.	1.2	27
22	Comparison of Lithium Gadolinium Borate Crystal Grains in Scintillating and Nonscintillating Plastic Matrices. IEEE Transactions on Nuclear Science, 2013, 60, 1416-1426.	2.0	11
23	Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.	4.3	66
24	Technical results from the surface run of the LUX dark matter experiment. Astroparticle Physics, 2013, 45, 34-43.	4.3	45
25	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	4.3	62
26	MaGe-a Geant4-Based Monte Carlo Application Framework for Low-Background Germanium Experiments. IEEE Transactions on Nuclear Science, 2011, 58, 1212-1220.	2.0	120
27	NEST: a comprehensive model for scintillation yield in liquid xenon. Journal of Instrumentation, 2011, 6, P10002-P10002.	1.2	173
28	Search for Î²+/EC double beta decay of 120Te. Astroparticle Physics, 2011, 34, 643-648.	4.3	17
29	130Te neutrinoless double-beta decay with CUORICINO. Astroparticle Physics, 2011, 34, 822-831.	4.3	204
30	Production of high purity TeO2 single crystals for the study of neutrinoless double beta decay. Journal of Crystal Growth, 2010, 312, 2999-3008.	1.5	80
31	Muon-induced backgrounds in the CUORICINO experiment. Astroparticle Physics, 2010, 34, 18-24.	4.3	24
32	Measurement of the nuclear ionization quench factor in a dual-phase argon detector. , 2010, , .		0
33	The hunt for coherent neutrino-nucleus scattering with ionization argon detectors. , 2010, , .		2
34	CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398.	1.5	10
35	Dual-phase argon ionization detector for measurement of coherent elastic neutrino scattering and medium-energy nuclear recoils. , 2007, , .		1
36	The majorana neutrinoless double-beta decay experiment. Physics of Atomic Nuclei, 2004, 67, 2002-2010.	0.4	33

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37	COMMENT ON "EVIDENCE FOR NEUTRINOLESS DOUBLE BETA DECAY". Modern Physics Letters A, 2002, 17, 1475-1478.	1.2	137