Kareem Kazkaz

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Improved Limits on Scattering of Weakly Interacting Massive Particles from Reanalysis of 2013 LUX Data. Physical Review Letters, 2016, 116, 161301.	7.8	333
2	130Te neutrinoless double-beta decay with CUORICINO. Astroparticle Physics, 2011, 34, 822-831.	4.3	204
3	Limits on Spin-Dependent WIMP-Nucleon Cross Section Obtained from the Complete LUX Exposure. Physical Review Letters, 2017, 118, 251302.	7.8	175
4	NEST: a comprehensive model for scintillation yield in liquid xenon. Journal of Instrumentation, 2011, 6, P10002-P10002.	1.2	173
5	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
6	COMMENT ON "EVIDENCE FOR NEUTRINOLESS DOUBLE BETA DECAY". Modern Physics Letters A, 2002, 17, 1475-1478.	1.2	137
7	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
8	Results of a Search for Sub-GeV Dark Matter Using 2013 LUX Data. Physical Review Letters, 2019, 122, 131301.	7.8	119
9	First Searches for Axions and Axionlike Particles with the LUX Experiment. Physical Review Letters, 2017, 118, 261301.	7.8	108
10	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
11	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
12	A Global Analysis of Light and Charge Yields in Liquid Xenon. IEEE Transactions on Nuclear Science, 2015, 62, 3387-3396.	2.0	71
13	Radiogenic and muon-induced backgrounds in the LUX dark matter detector. Astroparticle Physics, 2015, 62, 33-46.	4.3	71
14	Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.	4.3	66
15	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	4.3	62
16	Technical results from the surface run of the LUX dark matter experiment. Astroparticle Physics, 2013, 45, 34-43.	4.3	45
17	The majorana neutrinoless double-beta decay experiment. Physics of Atomic Nuclei, 2004, 67, 2002-2010.	0.4	33
18	First Measurement of the Ionization Yield of Nuclear Recoils in Liquid Argon. Physical Review Letters, 2014, 112, 171303.	7.8	30

#	Article	IF	Citations
19	Modeling pulse characteristics in Xenon with NEST. Journal of Instrumentation, 2014, 9, T04002-T04002.	1.2	27
20	Position reconstruction in LUX. Journal of Instrumentation, 2018, 13, P02001-P02001.	1.2	25
21	Muon-induced backgrounds in the CUORICINO experiment. Astroparticle Physics, 2010, 34, 18-24.	4.3	24
22	Identification of radiopure titanium for the LZ dark matter experiment and future rare event searches. Astroparticle Physics, 2017, 96, 1-10.	4.3	24
23	3D modeling of electric fields in the LUX detector. Journal of Instrumentation, 2017, 12, P11022-P11022.	1.2	21
24	Chromatographic separation of radioactive noble gases from xenon. Astroparticle Physics, 2018, 97, 80-87.	4.3	20
25	Search for Î²+/EC double beta decay of 120Te. Astroparticle Physics, 2011, 34, 643-648.	4.3	17
26	Design considerations for three-dimensional betavoltaics. AIP Advances, 2019, 9, .	1.3	16
27	Simulations of events for the LUX-ZEPLIN (LZ) dark matter experiment. Astroparticle Physics, 2021, 125, 102480.	4.3	16
28	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
29	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
30	CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398.	1.5	10
31	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
32	An estimation of photon scattering length in tetraphenyl-butadiene. Journal of Instrumentation, 2016, 11, C03025-C03025.	1.2	6
33	The hunt for coherent neutrino-nucleus scattering with ionization argon detectors. , 2010, , .		2
34	Dual-phase argon ionization detector for measurement of coherent elastic neutrino scattering and medium-energy nuclear recoils. , 2007, , .		1
35	Using cyclotron radiation emission for ultra-high resolution x-ray spectroscopy. New Journal of Physics, 2021, 23, 033043.	2.9	1
36	Measurement of the nuclear ionization quench factor in a dual-phase argon detector. , 2010, , .		0

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37	Three-Dimensionally Structured Betavoltaics. , 2018, , .		0