Chamkaur Ghag

List of Publications by Year
in descending order

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28 papers	3,187 citations	331670 21 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	5279 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	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
3	Radiogenic and muon-induced backgrounds in the LUX dark matter detector. Astroparticle Physics, 2015, 62, 33-46.	4.3	71
4	Measurement and simulation of the muon-induced neutron yield in lead. Astroparticle Physics, 2013, 47, 67-76.	4.3	31
5	Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. Astroparticle Physics, 2013, 49, 44-51.	4.3	36
6	Expected sensitivity to galactic/solar axions and bosonic super-WIMPs based on the axio-electric effect in liquid xenon dark matter detectors. Astroparticle Physics, 2013, 44, 59-67.	4.3	37
7	The neutron background of the XENON100 dark matter search experiment. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 115201.	3.6	28
8	Dark Matter Results from 225 Live Days of XENON100 Data. Physical Review Letters, 2012, 109, 181301.	7.8	1,175
9	Performance data from the ZEPLIN-III second science run. Journal of Instrumentation, 2012, 7, C03044-C03044.	1.2	4
10	Position Reconstruction in a Dual Phase Xenon Scintillation Detector. IEEE Transactions on Nuclear Science, 2012, 59, 3286-3293.	2.0	47
11	A new analysis method for WIMP searches with dual-phase liquid Xe TPCs. Astroparticle Physics, 2012, 37, 51-59.	4.3	4
12	Studies of a three-stage dark matter and neutrino observatory based on multi-ton combinations of liquid xenon and liquid argon detectors. Astroparticle Physics, 2012, 36, 93-122.	4.3	10
13	Radioactivity backgrounds in ZEPLINâ€“III. Astroparticle Physics, 2012, 35, 495-502.	4.3	25
14	Spin-dependent limits from the DRIFT-IId directional dark matter detector. Astroparticle Physics, 2012, 35, 397-401.	4.3	45
15	ZE3RA: the ZEPLIN-III Reduction and Analysis package. Journal of Instrumentation, 2011, 6, P11004-P11004.	1.2	11
16	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. Experimental Astronomy, 2011, 32, 193-316.	3.7	640
17	Performance of the veto detector incorporated into the ZEPLIN-III experiment. Astroparticle Physics, 2011, 35, 76-86.	4.3	19
18	Calibration of photomultiplier arrays. Astroparticle Physics, 2010, 33, 13-18.	4.3	7

#	Article	IF	Citations
19	The ZEPLIN-III anti-coincidence veto detector. Astroparticle Physics, 2010, 34, 151-163.	4.3	23
20	THE CASE FOR A DIRECTIONAL DARK MATTER DETECTOR AND THE STATUS OF CURRENT EXPERIMENTAL EFFORTS. International Journal of Modern Physics A, 2010, 25, 1-51.	1.5	151
21	Low energy electron and nuclear recoil thresholds in the DRIFT-II negative ion TPC for dark matter searches. Journal of Instrumentation, 2009, 4, P04014-P04014.	1.2	5
22	Limits on the Spin-Dependent WIMP-Nucleon Cross Sections from the First Science Run of the ZEPLIN-III Experiment. Physical Review Letters, 2009, 103, 151302.	7.8	48
23	First measurement of the headâ€“tail directional nuclear recoil signature at energies relevant to WIMP dark matter searches. Astroparticle Physics, 2009, 31, 261-266.	4.3	29
24	Measurements of neutrons produced by high-energy muons at the Boulby Underground Laboratory. Astroparticle Physics, 2008, 29, 471-481.	4.3	33
25	Measurement of single electron emission in two-phase xenon. Astroparticle Physics, 2008, 30, 54-57.	4.3	43
26	Studies of neutron detection and backgrounds with the DRIFT-IIa dark matter detector. Astroparticle Physics, 2007, 28, 409-421.	4.3	40
27	First limits on WIMP nuclear recoil signals in ZEPLIN-II: A two-phase xenon detector for dark matter detection. Astroparticle Physics, 2007, 28, 287-302.	4.3	122
28	The ZEPLIN-III dark matter detector: Performance study using an end-to-end simulation tool. Astroparticle Physics, 2006, 26, 140-153.	4.3	24