

Krzysztof Pelczar

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,116
citations

567281

15
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Radon Mitigation Applications at the Laboratorio Subterráneo de Canfranc (LSC). Universe, 2022, 8, 112.	2.5	10
2	Role of ambient humidity underestimated in research on correlation between radioactive decay rates and space weather. Scientific Reports, 2022, 12, 2527.	3.3	8
3	Air humidity and annual oscillations in $^{90}\text{Sr}/^{90}\text{Y}$ and ^{60}Co decay rate measurements. Scientific Reports, 2022, 12, .	3.3	4
4	Symmetry energy investigation with pion production from Sn+Sn systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136016.	4.1	40
5	An online radon monitor for low-background detector assembly facilities. European Physical Journal C, 2021, 81, 1.	3.9	7
6	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. European Physical Journal C, 2021, 81, 1.	3.9	18
7	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.	5.4	12
8	Separating ^{39}Ar from ^{40}Ar by cryogenic distillation with Aria for dark-matter searches. European Physical Journal C, 2021, 81, 1.	3.9	12
9	Probing the Symmetry Energy with the Spectral Pion Ratio. Physical Review Letters, 2021, 126, 162701.	7.8	95
10	Empirical decomposition and error propagation of medium-term instabilities in half-life determinations. Metrologia, 2021, 58, 035012.	1.2	10
11	The S _{RIT} time projection chamber. Review of Scientific Instruments, 2021, 92, 063302.	1.3	6
12	Characterization of inverted coaxial ^{76}Ge detectors in GERDA for future double- β decay experiments. European Physical Journal C, 2021, 81, 505.	3.9	7
13	On the interpretation of annual oscillations in ^{32}Si and ^{36}Cl decay rate measurements. Scientific Reports, 2021, 11, 16002.	3.3	9
14	Calibration of the Gerda experiment. European Physical Journal C, 2021, 81, 682.	3.9	9
15	Rapidity distributions of $Z=1$ isotopes and the nuclear symmetry energy from Sn+Sn collisions with radioactive beams at 270 MeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136681.	4.1	5
16	Measurement of the ^{145}Sm half-life. Applied Radiation and Isotopes, 2021, 178, 109978.	1.5	6
17	On the recent claim of correlation between radioactive decay rates and space weather. European Physical Journal C, 2020, 80, 1.	3.9	17
18	First Search for Bosonic Superweakly Interacting Massive Particles with Masses up to $1 < m < 20 \text{ MeV}$ with GERDA. Physical Review Letters, 2020, 125, 011801.	7.8	20

#	ARTICLE	IF	CITATIONS
19	Extending the dynamic range of electronics in a Time Projection Chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 944, 162509.	1.6	9
20	Mobility and lifetime of ^{220}Rn daughters. AIP Conference Proceedings, 2018, , .	0.4	1
21	Removal of ^{222}Rn daughters from metal surfaces. AIP Conference Proceedings, 2018, , .	0.4	1
22	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	2.6	247
23	Mitigation of $^{42}\text{Ar}/^{42}\text{K}$ background for the GERDA Phase II experiment. European Physical Journal C, 2018, 78, 1.	3.9	23
24	Studies of surface and bulk ^{210}Po in metals using an ultra-low background large surface alpha spectrometer. Applied Radiation and Isotopes, 2017, 126, 165-167.	1.5	10
25	KATANA – A charge-sensitive triggering system for the SIÈRIT experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 856, 92-98.	1.6	9
26	Search for neutrinoless double beta decay with GERDA phase II. AIP Conference Proceedings, 2017, , .	0.4	0
27	The DarkSide direct dark matter search with liquid argon. AIP Conference Proceedings, 2017, , .	0.4	0
28	THE DARKSIDE-50 EXPERIMENT: A LIQUID ARGON TARGET FOR DARK MATTER PARTICLES. , 2017, , 355-360.		0
29	Limit on the radiative neutrinoless double electron capture of ^{36}Ar from GERDA Phase I. European Physical Journal C, 2016, 76, 1.	3.9	15
30	Beam commissioning of the SIÈRIT time projection chamber. Journal of the Korean Physical Society, 2016, 69, 144-151.	0.7	9
31	Results on ^{76}Ge $\beta\beta$ decay with emission of two neutrinos or Majorons in ^{76}Ge from GERDA Phase I. European Physical Journal C, 2015, 75, 1.	3.9	62
32	The DarkSide Multiton Detector for the Direct Dark Matter Search. Advances in High Energy Physics, 2015, 2015, 1-8.	1.1	21
33	Improvement of the energy resolution via an optimized digital signal processing in GERDA Phase I. European Physical Journal C, 2015, 75, 1.	3.9	30
34	Production, characterization and operation of ^{76}Ge enriched BEGe detectors in GERDA. European Physical Journal C, 2015, 75, 1.	3.9	55
35	The background in the ^{76}Ge $\beta\beta$ experiment Gerda. European Physical Journal C, 2014, 74, 1.	3.9	66
36	Optimization of low-background alpha spectrometers for analysis of thick samples. Applied Radiation and Isotopes, 2013, 81, 146-150.	1.5	8

#	ARTICLE	IF	CITATIONS
37	Pulse shape discrimination for Gerda Phase I data. European Physical Journal C, 2013, 73, 1.	3.9	73
38	The Gerda experiment for the search of $0\nu\bar{\nu}\nu$ decay in ^{76}Ge . European Physical Journal C, 2013, 73, 1.	3.9	181
39	Short-lived Rn-222 daughters in cryogenic liquids. , 2013, , .		1