Stefano Pirro

List of Publications by Year in descending order

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236 papers	6,325 citations	38660 50 h-index	79541 73 g-index
236 all docs	236 docs citations	236 times ranked	2058 citing authors

#	Article	IF	Citations
1	CUORE: a cryogenic underground observatory for rare events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 775-798.	0.7	269
2	First Results from CUORE: A Search for Lepton Number Violation via <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>0</mml:mn><mml:mi>Î½</mml:mi><mml:mi>Î²</mml:mi><mml:mi>Î²</mml:mi></mml:mrow> Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Te</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow>	2.9	246
3	130Te neutrinoless double-beta decay with CUORICINO. Astroparticle Physics, 2011, 34, 822-831.	1.9	204
4	Results from a search for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>0</mml:mn><mml:mi>â€,</mml:mi><mml:mi>Î½</mml:mi><mml:mi>Î²</mml:mi><mml:mi>Î² of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Te</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2008, 78,	1.1	191
5	Search for Majorana Neutrinos near the Inverted Mass Hierarchy Region with MJD Demonstrator Data. Physical Review Letters, 2020, 124, 122501.	2.9	189
6	Scintillating double-beta-decay bolometers. Physics of Atomic Nuclei, 2006, 69, 2109-2116.	0.1	135
7	Improved Limit on Neutrinoless Double-Beta Decay in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mo>â€‰</mml:mo><mml:mi>Te</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> with CUORE. Physical Review Letters, 2020, 124, 122501.	2.9	133
8	Searching for Neutrinoless Double-Beta Decay of¹³⁰Te with CUORE. Advances in High Energy Physics, 2015, 2015, 1-13.	0.5	109
9	A calorimetric search on double beta decay of 130Te. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 167-175.	1.5	107
10	Development of $$^{100}hbox {Mo}$$ 100 Mo -containing scintillating bolometers for a high-sensitivity neutrinoless double-beta decay search. European Physical Journal C, 2017, 77, 785.	1.4	100
11	First results on neutrinoless double beta decay of 130Te with the calorimetric CUORICINO experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 584, 260-268.	1.5	93
12	New Limit on the NeutrinolessÎ²Î²Decay ofTe130. Physical Review Letters, 2005, 95, 142501.	2.9	93
13	The projected background for the CUORE experiment. European Physical Journal C, 2017, 77, 1.	1.4	90
14	First Result on the Neutrinoless Double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math> Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Se</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>82</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow>	2.9	89
15	Performance of ZnMoO₄crystal as cryogenic scintillating bolometer to search for double beta decay of molybdenum. Journal of Instrumentation, 2010, 5, P11007-P11007.	0.5	88
16	Exploring the neutrinoless double beta decay in the inverted neutrino hierarchy with bolometric detectors. European Physical Journal C, 2014, 74, 1.	1.4	85
17	Production of high purity TeO2 single crystals for the study of neutrinoless double beta decay. Journal of Crystal Growth, 2010, 312, 2999-3008.	0.7	80
18	Characterization of ZnSe scintillating bolometers for Double Beta Decay. Astroparticle Physics, 2011, 34, 344-353.	1.9	80

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19	Performances of a large mass ZnSe bolometer to search for rare events. Journal of Instrumentation, 2013, 8, P05021-P05021.	0.5	79
20	CdWO4 scintillating bolometer for Double Beta Decay: Light and heat anticorrelation, light yield and quenching factors. Astroparticle Physics, 2010, 34, 143-150.	1.9	76
21	New experimental results on double beta decay of 130Te. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 486, 13-21.	1.5	74
22	Search for Majorana neutrinos exploiting millikelvin cryogenics with CUORE. Nature, 2022, 604, 53-58.	13.7	74
23	Measurements of internal radioactive contamination in samples of Roman lead to be used in experiments on rare events. Nuclear Instruments & Methods in Physics Research B, 1998, 142, 163-172.	0.6	73
24	New limits from the Milano neutrino mass experiment with thermal microcalorimeters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 125-131.	0.7	73
25	Measurement of the two-neutrino double-beta decay half-life of ^{130}Te with the CUORE-0 experiment. European Physical Journal C, 2017, 77, 1.	1.4	73
26	ZnMoO4: A promising bolometer for neutrinoless double beta decay searches. Astroparticle Physics, 2012, 35, 813-820.	1.9	69
27	Development of a Li₂MoO₄scintillating bolometer for low background physics. Journal of Instrumentation, 2013, 8, P10002-P10002.	0.5	69
28	Final Result of CUPID-0 Phase-I in the Search for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Se</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>82</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Neutrinoless Double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">	2.9	68
29	The CUPID-Mo experiment for neutrinoless double-beta decay: performance and prospects. European Physical Journal C, 2020, 80, 1.	1.4	67
30	Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.	1.9	66
31	First test of crystal as a cryogenic scintillating bolometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 54-57.	0.7	65
32	Performances of a large mass ZnMoO4 scintillating bolometer for a next generation 0Î½DBD experiment. European Physical Journal C, 2012, 72, 1.	1.4	65
33	TeO $$_2$$ 2 bolometers with Cherenkov signal tagging: towards next-generation neutrinoless double-beta decay experiments. European Physical Journal C, 2015, 75, 12.	1.4	65
34	Reducing the impact of radioactivity on quantum circuits in a deep-underground facility. Nature Communications, 2021, 12, 2733.	5.8	65
35	Physics potential and prospects for the CUORICINO and CUORE experiments. Astroparticle Physics, 2003, 20, 91-110.	1.9	64
36	Characterization of bolometric light detectors for rare event searches. Journal of Instrumentation, 2013, 8, P07021-P07021.	0.5	64

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37	Analysis techniques for the evaluation of the neutrinoless double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>decay lifetime in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Te</mml:mi><mml:mprescripts /><mml:none /><mml:mn>130</mml:mn></mml:mmultiscripts></mml:math>with the CUORE-0 detector. Physical Review C, 2016, 93, .	1.1	64
38	CUORE-0 detector: design, construction and operation. Journal of Instrumentation, 2016, 11, P07009-P07009.	0.5	64
39	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	1.9	62
40	First array of enriched Zn ^{82} 82 Se bolometers to search for double beta decay. European Physical Journal C, 2016, 76, 364.	1.4	62
41	Advances in Bolometer Technology for Fundamental Physics. Annual Review of Nuclear and Particle Science, 2017, 67, 161-181.	3.5	62
42	New Limit for Neutrinoless Double-Beta Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Mo</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>100</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> from the CUPID-Mo Experiment. Physical Review Letters, 2021, 126, 181802.	2.9	61
43	A novel technique of particle identification with bolometric detectors. Astroparticle Physics, 2011, 34, 797-804.	1.9	60
44	The COSINUS project: perspectives of a NaI scintillating calorimeter for dark matter search. European Physical Journal C, 2016, 76, 1.	1.4	58
45	Preliminary results on double beta decay of 130Te with an array of twenty cryogenic detectors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 156-162.	1.5	57
46	CUPID-0: the first array of enriched scintillating bolometers for 0 $$u eta eta $$ Î½ Î² Î² decay investigations. European Physical Journal C, 2018, 78, 428.	1.4	56
47	The programmable front-end system for CUORICINO, an array of large-mass bolometers. IEEE Transactions on Nuclear Science, 2002, 49, 2440-2447.	1.2	53
48	Background study and Monte Carlo simulations for large-mass bolometers. European Physical Journal A, 2009, 41, 155-168.	1.0	53
49	Current Status and Future Perspectives of the LUCIFER Experiment. Advances in High Energy Physics, 2013, 2013, 1-15.	0.5	52
50	Initial performance of the CUORE-0 experiment. European Physical Journal C, 2014, 74, 1.	1.4	52
51	Further developments in mechanical decoupling of large thermal detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 672-674.	0.7	48
52	The front-end readout for CUORICINO, an array of macro-bolometers and MIBETA, an array of Î¼-bolometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 578-580.	0.7	47
53	Background model of the CUPID-0 experiment. European Physical Journal C, 2019, 79, 1.	1.4	45
54	Evidence of Single State Dominance in the Two-Neutrino Double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math> Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Se</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>82</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> wi	2.9	44

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55	Precise measurement of $$2u eta eta $$ decay of ^{100}Mo with the CUPID-Mo detection technology. European Physical Journal C, 2020, 80, 1.	1.4	44
56	Discovery of the¹⁵¹Eu Î± decay. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075101.	1.4	43
57	Bolometric Bounds on the Antineutrino Mass. Physical Review Letters, 2003, 91, 161802.	2.9	41
58	New experimental limits on the Î± decays of lead isotopes. European Physical Journal A, 2013, 49, 1.	1.0	41
59	Double-beta decay investigation with highly pure enriched ^{82} 82 Se for the LUCIFER experiment. European Physical Journal C, 2015, 75, 591.	1.4	41
60	Production of 82Se enriched Zinc Selenide (ZnSe) crystals for the study of neutrinoless double beta decay. Journal of Crystal Growth, 2017, 475, 158-170.	0.7	41
61	Enriched TeO2 bolometers with active particle discrimination: Towards the CUPID experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 321-329.	1.5	40
62	A massive thermal detector for alpha and gamma spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 440, 397-402.	0.7	38
63	Low Temperature Scintillation in ZnSe Crystals. IEEE Transactions on Nuclear Science, 2010, 57, 1470-1474.	1.2	36
64	Analysis of cryogenic calorimeters with light and heat read-out for double beta decay searches. European Physical Journal C, 2018, 78, 734.	1.4	36
65	Optimizing the energy threshold of light detectors coupled to luminescent bolometers. Journal of Instrumentation, 2011, 6, P10005-P10005.	0.5	35
66	Discrimination of Î± and Î²/Î³ interactions in a TeO2 bolometer. Astroparticle Physics, 2012, 35, 558-562.	1.9	35
67	First Measurement of the Partial Widths of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Bi</mml:mi><mml:mprescripts /><mml:none /><mml:mn>209</mml:mn></mml:mmultiscripts></mml:math>Decay to the Ground and to the First Excited States. Physical Review Letters, 2012, 108, 062501.	2.9	34
68	Particle discrimination in TeO 2 bolometers using light detectors read out by transition edge sensors. Astroparticle Physics, 2015, 69, 30-36.	1.9	32
69	Vibrational and thermal noise reduction for cryogenic detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 331-335.	0.7	31
70	Development of bolometric light detectors for double beta decay searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 361-363.	0.7	31
71	CUORE sensitivity to $$0u eta eta $$ decay. European Physical Journal C, 2017, 77, 1.	1.4	31
72	First bolometric measurement of the two neutrino double beta decay of¹⁰⁰Mo with a ZnMoO₄crystals array. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075204.	1.4	30

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73	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2</mml:mn><mml:mi>Î½</mml:mi><mml:mi>Î²</mml:mi><mml:mi>Î²</mml:mi></mml:math> Decay Half-Life of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Te</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>	2.9	29
74	Results from the first cryogenic NaI detector for the COSINUS project. Journal of Instrumentation, 2017, 12, P11007-P11007.	0.5	27
75	The cold preamplifier set-up of CUORICINO: Towards 1000 channels. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 826-828.	0.7	26
76	Search of the neutrino-less double beta decay of ^{82} 82 Se into the excited states of ^{82}. European Physical Journal C, 2018, 78, 888.	1.4	26
77	Measurement of theptosWave Branching Ratio ofRe187Î²Decay from Beta Environmental Fine Structure. Physical Review Letters, 2006, 96, 042503.	2.9	24
78	Muon-induced backgrounds in the CUORICINO experiment. Astroparticle Physics, 2010, 34, 18-24.	1.9	24
79	First search for Lorentz violation in double beta decay with scintillating calorimeters. Physical Review D, 2019, 100, .	1.6	24
80	Present status of MI-BETA cryogenic experiment and preliminary results for CUORICINO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 71-76.	0.7	23
81	Low-frequency noise characterization of very large value resistors. IEEE Transactions on Nuclear Science, 2002, 49, 1808-1813.	1.2	23
82	CdWO4 bolometers for double beta decay search. Optical Materials, 2009, 31, 1388-1392.	1.7	23
83	Background Suppression in Massive TeO $$_2$$ 2 Bolometers with Neganovâ€“Luke Amplified Light Detectors. Journal of Low Temperature Physics, 2016, 184, 286-291.	0.6	23
84	Precise determination of the light yield of scintillating crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 385, 69-73.	0.7	21
85	New limits on naturally occurring electron capture of123Te. Physical Review C, 2003, 67, .	1.1	21
86	Characterization of cubic Li$$_{2}$$^{100}MoO$$_4$$ crystals for the CUPID experiment. European Physical Journal C, 2021, 81, 1.	1.4	21
87	Search for 14.4 keV solar axions from M1 transition of⁵⁷Fe with CUORE crystals. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 007-007.	1.9	19
88	Search for Î²+/EC double beta decay of 120Te. Astroparticle Physics, 2011, 34, 643-648.	1.9	17
89	A CsI low-temperature detector for dark matter search. Astroparticle Physics, 2016, 84, 70-77.	1.9	17
90	Low energy analysis techniques for CUORE. European Physical Journal C, 2017, 77, 1.	1.4	17

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91	Search for double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>130</mml:mn></mml:msup></mml:math>Te to the first<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>excited	1.1	16
92	Radiopurity of an archaeological Roman lead cryogenic detector. European Physical Journal A, 2019, 55, 1.	1.0	16
93	Novel technique for the study of pileup events in cryogenic bolometers. Physical Review C, 2021, 104, .	1.1	16
94	CUORE opens the door to tonne-scale cryogenics experiments. Progress in Particle and Nuclear Physics, 2022, 122, 103902.	5.6	16
95	The low radioactivity link of the CUORE experiment. Journal of Instrumentation, 2009, 4, P09003-P09003.	0.5	16
96	RES-NOVA sensitivity to core-collapse and failed core-collapse supernova neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 064.	1.9	16
97	Studies of lead tungstate crystal matrices in high energy beams for the CMS electromagnetic calorimeter at the LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 385, 425-434.	0.7	15
98	The low energy spectrum of TeO₂bolometers: results and dark matter perspectives for the CUORE-0 and CUORE experiments. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 038-038.	1.9	15
99	Cryogenic Detectors for Rare Alpha Decay Search: A New Approach. Journal of Low Temperature Physics, 2016, 184, 952-957.	0.6	15
100	Search for neutrinoless Î²+EC decay of Te120 with CUORE-0. Physical Review C, 2018, 97, .	1.1	15
101	Cryogenic light detectors with enhanced performance for rare event physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 150-155.	0.7	15
102	The temperature stabilization system of CUORICINO: an array of macro bolometers. IEEE Transactions on Nuclear Science, 2005, 52, 1630-1637.	1.2	14
103	The CUORE Detector and Results. Journal of Low Temperature Physics, 2020, 199, 519-528.	0.6	14
104	A programmable front-end system for arrays of bolometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 111-114.	0.7	13
105	Complete elimination of 1K Pot vibrations in dilution refrigerators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 641-643.	0.7	13
106	Performance of a cerium fluoride crystal matrix measured in high-energy particle beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 171-178.	0.7	12
107	The first step toward CUORE: Cuoricino, a thermal detector array to search for rare events. Nuclear Physics, Section B, Proceedings Supplements, 2000, 87, 78-80.	0.5	12
108	A cryogenic underground observatory for rare events: CUORE, an update. Physics of Atomic Nuclei, 2003, 66, 452-457.	0.1	12

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109	An innovative technique for the investigation of the 4-fold forbidden beta-decay of 50V. European Physical Journal A, 2018, 54, 1.	1.0	12
110	Search for neutrinoless double beta decay of ^{64}Zn and ^{70}Zn with CUPID-0. European Physical Journal C, 2020, 80, 1.	1.4	12
111	Study of rare nuclear processes with CUORE. International Journal of Modern Physics A, 2018, 33, 1843002.	0.5	11
112	Pulse shape discrimination in CUPID-Mo using principal component analysis. Journal of Instrumentation, 2021, 16, P03032.	0.5	11
113	CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398.	0.5	10
114	Performance of a large TeO₂crystal as a cryogenic bolometer in searching for neutrinoless double beta decay. Journal of Instrumentation, 2012, 7, P01020-P01020.	0.5	10
115	Double-beta decay of $$^{130}hbox {Te}$$ to the first $$0^+$$ excited state of $$^{130}hbox {Xe}$$ with CUORE-0. European Physical Journal C, 2019, 79, 1.	1.4	10
116	How to improve the sensitivity of future neutrino mass experiments with thermal calorimeters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 148-150.	0.7	9
117	Operating in a deep underground facility improves the locking of gradiometric fluxonium qubits at the sweet spots. Applied Physics Letters, 2022, 120, .	1.5	9
118	Scintillating Bolometers for Double Beta Decay Search. Journal of Low Temperature Physics, 2008, 151, 854-859.	0.6	8
119	Search for axioelectric effect of solar axions using BGO scintillating bolometer. European Physical Journal C, 2014, 74, 1.	1.4	8
120	^{arch}PbMoO4 scintillating bolometer as detector to searches for the neutrinoless double beta decay of¹⁰⁰Mo. Journal of Physics: Conference Series, 2017, 841, 012025.	0.3	8
121	Luminescence and charge trapping features of archPbMoO4 lead molybdate crystals grown from archaeological lead. Journal of Luminescence, 2020, 224, 117305.	1.5	8
122	Na-based crystal scintillators for next-generation rare event searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 977, 164160.	0.7	8
123	Production and characterisation of a $$hbox {PbMoO}_4$$ cryogenic detector from archaeological Pb. European Physical Journal A, 2020, 56, 1.	1.0	8
124	Use of good copper for the optimization of the cooling down procedure of large masses. Cryogenics, 2004, 44, 167-170.	0.9	7
125	1.3kg bolometers to search for rare events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 554, 300-305.	0.7	7
126	The CUORICINO and CUORE double beta decay experiments. Progress in Particle and Nuclear Physics, 2006, 57, 203-216.	5.6	7

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127	Resolution enhancement with light/heat decorrelation in CUPID-0 bolometric detector. Journal of Instrumentation, 2019, 14, P08017-P08017.	0.5	7
128	Background identification in cryogenic calorimeters through $$alpha -alpha $$ delayed coincidences. European Physical Journal C, 2021, 81, 722.	1.4	7
129	Measurement of thermal properties for modeling and optimization of large mass bolometers. Physica B: Condensed Matter, 2003, 329-333, 1614-1615.	1.3	6
130	CUORICINO status and CUORE prospects. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 268-271.	0.5	6
131	Search for double-beta decay of $$mathrm {^{130}Te}$$ to the $$0^+$$ states of $$mathrm {^{130}Xe}$$ with CUORE. European Physical Journal C, 2021, 81, 1.	1.4	6
132	Further developments in the CUORICINO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 352-354.	0.7	5
133	Scintillating bolometric technique for the neutrino-less double beta decay search: The LUCIFER/CUPID-0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 342-346.	0.7	5
134	Quenching factor for alpha particles in ZnSe scintillating bolometers. IOP Conference Series: Materials Science and Engineering, 2017, 169, 012011.	0.3	5
135	A NaI-Based Cryogenic Scintillating Calorimeter: Results from a COSINUS Prototype Detector. Journal of Low Temperature Physics, 2018, 193, 1174-1181.	0.6	5
136	Results from the Cuore Experiment â€. Universe, 2019, 5, 10.	0.9	5
137	Search for double $$eta $$-decay modes of ^{64}Zn using purified zinc. European Physical Journal C, 2021, 81, 1.	1.4	5
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