Angelo Nucciotti

List of Publications by Year
in descending order

267	5,338	94269 37	102304 66
papers	citations	h-index	g-index

268	268	268	1909
all docs	docs citations	times ranked	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><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Te Neutrinoless Double-Beta Decay with CUORICINO. Astroparticle Physics, 2011, 34, 822-831.	2.9	246
3	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</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:mi mathvariant="normal">Te</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review C, 2008, 78, 035502.	1.9	204
4	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.	1.1	191
5	HOLMES. European Physical Journal C, 2015, 75, 112.	2.9	189
6	Searching for Neutrinoless Double-Beta Decay of¹³⁰Te with CUORE. Advances in High Energy Physics, 2015, 2015, 1-13.	1.4	133
7	Model for cryogenic particle detectors with superconducting phase transition thermometers. Journal of Low Temperature Physics, 1995, 100, 69-104.	0.5	127
8	A calorimetric search on double beta decay of 130Te. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 167-175.	0.6	109
9	Methods for response stabilization in bolometers for rare decays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 412, 454-464.	1.5	108
10	A scintillating bolometer for experiments on double beta decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 109-113.	0.7	107
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	99
12	New Limit on the Neutrinoless<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi><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>Te</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2005, 95, 142501.	1.5	94
13	The projected background for the CUORE experiment. European Physical Journal C, 2017, 77, 1.	2.9	93
14	Exploring the neutrinoless double beta decay in the inverted neutrino hierarchy with bolometric detectors. European Physical Journal C, 2014, 74, 1.	1.4	90
15	Neutrino physics with the PTOLEMY project: active neutrino properties and the light sterile case. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	1.4	85
16	Production of high purity TeO2 single crystals for the study of neutrinoless double beta decay. Journal of Crystal Growth, 2010, 312, 2999-3008.	1.9	85
17		1.9	85
18		0.7	80

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19	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
20	Search for Majorana neutrinos exploiting millikelvin cryogenics with CUORE. Nature, 2022, 604, 53-58.	13.7	74
21	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
22	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
23	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
24	High Energy Resolution Bolometers for Nuclear Physics and X-Ray Spectroscopy. Physical Review Letters, 1999, 82, 513-515.	2.9	66
25	Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.	1.9	66
26	Physics potential and prospects for the CUORICINO and CUORE experiments. Astroparticle Physics, 2003, 20, 91-110.	1.9	64
27	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
28	CUORE-0 detector: design, construction and operation. Journal of Instrumentation, 2016, 11, P07009-P07009.	0.5	64
29	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	1.9	62
30	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
31	A new search for neutrinoless Î²Î² decay with a thermal detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 335, 519-525.	1.5	54
32	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
33	Background study and Monte Carlo simulations for large-mass bolometers. European Physical Journal A, 2009, 41, 155-168.	1.0	53
34	Initial performance of the CUORE-0 experiment. European Physical Journal C, 2014, 74, 1.	1.4	52
35	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
36	The thermal detection efficiency for recoils induced by low energy nuclear reactions, neutrinos or weakly interacting massive particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 408, 465-468.	1.5	42

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37	Bolometric Bounds on the Antineutrino Mass. Physical Review Letters, 2003, 91, 161802.	2.9	41
38	Proximity effect in iridiumâ€gold bilayers. Journal of Applied Physics, 1994, 76, 4262-4266.	1.1	39
39	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
40	The CUORE cryostat: An infrastructure for rare event searches at millikelvin temperatures. Cryogenics, 2019, 102, 9-21.	0.9	38
41	The microcalorimeter arrays for a rhenium experiment (MARE): A next-generation calorimetric neutrino mass experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 346-348.	0.7	36
42	An active noise cancellation technique for the CUORE Pulse Tube cryocoolers. Cryogenics, 2018, 93, 56-65.	0.9	36
43	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
44	Low-energy X-ray detection in cryogenic detectors with tungsten thermometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 354, 408-416.	0.7	33
45	The HOLMES Experiment. Journal of Low Temperature Physics, 2016, 184, 922-929.	0.6	32
46	Preliminary results on the performance of a TeO2 thermal detector in a search for direct interactions of WIMPs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 316-322.	1.5	31
47	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
48	CUORE sensitivity to $$0u eta eta $$ decay. European Physical Journal C, 2017, 77, 1.	1.4	31
49	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
50	Optical Detection of Surface States in Ge. Physical Review, 1966, 144, 749-751.	2.7	28
51	Bolometric measurements of beta decay spectra of 187Re with crystals of silver perrhenate. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 457, 253-260.	1.5	28
52	MARE, Microcalorimeter Arrays for a Rhenium Experiment: A detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 208-210.	0.7	27
53	Status and low background considerations for the CRESST dark matter search. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 237-240.	0.7	24
54	Measurement of theptosWave Branching Ratio ofRe187Î²Decay from Beta Environmental Fine Structure. Physical Review Letters, 2006, 96, 042503.	2.9	24

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55	Muon-induced backgrounds in the CUORICINO experiment. Astroparticle Physics, 2010, 34, 18-24.	1.9	24
56	The Use of Low Temperature Detectors for Direct Measurements of the Mass of the Electron Neutrino. Advances in High Energy Physics, 2016, 2016, 1-41.	0.5	24
57	Algorithms for Identification of Nearly-Coincident Events in Calorimetric Sensors. Journal of Low Temperature Physics, 2016, 184, 263-273.	0.6	24
58	A design for an electromagnetic filter for precision energy measurements at the tritium endpoint. Progress in Particle and Nuclear Physics, 2019, 106, 120-131.	5.6	24
59	The Milano-Gran Sasso double beta decay experiment: toward a 20-crystal array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 241-243.	0.7	23
60	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
61	Low-frequency noise characterization of very large value resistors. IEEE Transactions on Nuclear Science, 2002, 49, 1808-1813.	1.2	23
62	A massive cryogenic particle detector with good energy resolution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 323, 95-98.	1.5	22
63	Expectations for a new calorimetric neutrino mass experiment. Astroparticle Physics, 2010, 34, 80-89.	1.9	22
64	Neutrino mass calorimetric searches in the MARE experiment. Nuclear Physics, Section B, Proceedings Supplements, 2012, 229-232, 155-159.	0.5	22
65	Statistical sensitivity of ^{163} 163 Ho electron capture neutrino mass experiments. European Physical Journal C, 2014, 74, 1.	1.4	22
66	New limits on naturally occurring electron capture of123Te. Physical Review C, 2003, 67, .	1.1	21
67	Evidence for Naturally Occurring Electron Capture of123Te. Physical Review Letters, 1996, 77, 3319-3322.	2.9	19
68	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
69	The MARE Project. Journal of Low Temperature Physics, 2008, 151, 597-602.	0.6	18
70	Search for Î²+/EC double beta decay of 120Te. Astroparticle Physics, 2011, 34, 643-648.	1.9	17
71	Pile-Up Discrimination Algorithms for the HOLMES Experiment. Journal of Low Temperature Physics, 2016, 184, 405-411.	0.6	17
72	Low energy analysis techniques for CUORE. European Physical Journal C, 2017, 77, 1.	1.4	17

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73	The bolometers as nuclear recoil detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 451-453.	0.7	16
74	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
75	Large area Si low-temperature light detectors with Neganovâ€“Luke effect. European Physical Journal C, 2015, 75, 1.	1.4	16
76	CUORE opens the door to tonne-scale cryogenics experiments. Progress in Particle and Nuclear Physics, 2022, 122, 103902.	5.6	16
77	A low DC drift read-out system for a large mass bolometric detector. IEEE Transactions on Nuclear Science, 1997, 44, 416-423.	1.2	15
78	Developments of Microresonators Detectors for Neutrino Physics in Milan. Journal of Low Temperature Physics, 2012, 167, 1041-1047.	0.6	15
79	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
80	Search for neutrinoless Î²+EC decay of Te120 with CUORE-0. Physical Review C, 2018, 97, .	1.1	15
81	Fabrication and low-temperature characterization of Si-implanted thermistors. Journal Physics D: Applied Physics, 1999, 32, 3099-3110.	1.3	14
82	A front-end for an array of /spl mu/-bolometers for the study of the neutrino mass. IEEE Transactions on Nuclear Science, 2000, 47, 1851-1856.	1.2	14
83	The temperature stabilization system of CUORICINO: an array of macro bolometers. IEEE Transactions on Nuclear Science, 2005, 52, 1630-1637.	1.2	14
84	The detector calibration system for the CUORE cryogenic bolometer array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 844, 32-44.	0.7	14
85	Measuring the electron neutrino mass with improved sensitivity: the HOLMES experiment. Journal of Instrumentation, 2017, 12, C02046-C02046.	0.5	14
86	The CUORE Detector and Results. Journal of Low Temperature Physics, 2020, 199, 519-528.	0.6	14
87	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
88	Design of the Cryogen-Free Cryogenic System forÂtheÂCUORE Experiment. Journal of Low Temperature Physics, 2008, 151, 662-668.	0.6	13
89	The Status of the MARE Experiment with 187Re and 163Ho Isotopes. Physics Procedia, 2015, 61, 227-231.	1.2	13
90	The CUORE Cryostat: A 1-Ton Scale Setup for Bolometric Detectors. Journal of Low Temperature Physics, 2016, 184, 590-596.	0.6	13

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91	Cerenkov light identification with Si low-temperature detectors with sensitivity enhanced by the Neganov-Luke effect. Physical Review C, 2016, 94, .	1.1	13
92	High-resolution high-speed microwave-multiplexed low temperature microcalorimeters for the HOLMES experiment. European Physical Journal C, 2019, 79, 1.	1.4	13
93	First tests on a large mass, low temperature array detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 360, 363-366.	0.7	12
94	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
95	A cryogenic underground observatory for rare events: CUORE, an update. Physics of Atomic Nuclei, 2003, 66, 452-457.	0.1	12
96	Working principle and demonstrator of microwave-multiplexing for the HOLMES experiment microcalorimeters. Journal of Instrumentation, 2019, 14, P10035-P10035.	0.5	12
97	Physics and performance of calorimetric particle detectors with dielectric absorbers and superconducting phase transition thermometers. Journal of Low Temperature Physics, 1993, 93, 213-218.	0.6	11
98	Improvements in 130Te double beta decay search with cryogenic TeO2 array detectors. Nuclear Physics, Section B, Proceedings Supplements, 1996, 48, 238-240.	0.5	11
99	The 4K outer cryostat for the CUORE experiment: Construction and quality control. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 727, 65-72.	0.7	11
100	Study of rare nuclear processes with CUORE. International Journal of Modern Physics A, 2018, 33, 1843002.	0.5	11
101	The CUORE Cryostat. Journal of Low Temperature Physics, 2018, 193, 867-875.	0.6	11
102	Production and separation of 163Ho for nuclear physics experiments. PLoS ONE, 2018, 13, e0200910.	1.1	11
103	Status of the HOLMES Experiment to Directly Measure the Neutrino Mass. Journal of Low Temperature Physics, 2018, 193, 1137-1145.	0.6	11
104	Use of proximity effect in iridium-gold superconducting phase transition thermometers. Journal of Low Temperature Physics, 1993, 93, 543-548.	0.6	10
105	Munich dark matter search. Journal of Low Temperature Physics, 1993, 93, 797-802.	0.6	10
106	Milano experiment on 0-Î½ Î²Î² decay of 130Te with a thermal detector. Nuclear Physics, Section B, Proceedings Supplements, 1993, 31, 83-87.	0.5	10
107	Beta environmental fine structure characterization of defects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 426, 147-155.	0.7	10
108	CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398.	0.5	10

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109	Critical Temperature Tuning of Ti/TiN Multilayer Films Suitable for Low Temperature Detectors. Journal of Low Temperature Physics, 2014, 176, 155-160.	0.6	10
110	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
111	Implementation and optimization of the PTOLEMY transverse drift electromagnetic filter. Journal of Instrumentation, 2022, 17, P05021.	0.5	10
112	Superconducting tungsten films for use as phase transition thermometers for calorimetric detectors. Journal of Low Temperature Physics, 1993, 93, 549-554.	0.6	9
113	Cryogenic particle detectors with superconducting phase transition thermometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 157-159.	0.7	9
114	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
115	MARE-1 in Milan: Status and Perspectives. Journal of Low Temperature Physics, 2012, 167, 1035-1040.	0.6	9
116	Neutrino mass measurement with an array of high-resolution AgReO4 microcalorimeters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 77-79.	0.7	8
117	Status of the Cryogen-Free Cryogenic System for the CUORE Experiment. Journal of Low Temperature Physics, 2012, 167, 528-534.	0.6	8
118	Preliminary Results of the MARE Experiment. Journal of Low Temperature Physics, 2014, 176, 885-890.	0.6	8
119	Bimodal Approach for Noise Figures of Merit Evaluation in Quantum-Limited Josephson Traveling Wave Parametric Amplifiers. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	8
120	The CUORICINO and CUORE double beta decay experiments. Progress in Particle and Nuclear Physics, 2006, 57, 203-216.	5.6	7
121	Updates on the Transition-Edge Sensors and Multiplexed Readout for HOLMES. Journal of Low Temperature Physics, 2018, 193, 1167-1173.	0.6	7
122	A novel approach for nearly-coincident events rejection. European Physical Journal C, 2021, 81, 1.	1.4	7
123	Progress in the Development of TES Microcalorimeter Detectors Suitable for Neutrino Mass Measurement. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	7
124	Differential, voltage sensitive preamplifiers for bolometric detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 220-222.	0.7	6
125	Development of Si microcalorimeters for a neutrino mass experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 244-246.	0.7	6
126	Measuring thermistor resistance with very low d.c. power dissipation. Cryogenics, 1997, 37, 27-31.	0.9	6

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127	Measurement of thermal properties for modeling and optimization of large mass bolometers. Physica B: Condensed Matter, 2003, 329-333, 1614-1615.	1.3	6
128	CUORICINO status and CUORE prospects. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 268-271.	0.5	6
129	Microfabrication of Transition-Edge Sensor Arrays of Microcalorimeters with 163Ho for Direct Neutrino Mass Measurements with HOLMES. Journal of Low Temperature Physics, 2018, 193, 771-776.	0.6	6
130	163Ho distillation and implantation for the HOLMES experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 220-221.	0.7	6
131	Development of Microwave Kinetic Inductance Detectors for IR Single-Photon Counting. Journal of Low Temperature Physics, 2020, 199, 73-79.	0.6	6
132	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
133	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
134	Development of Thermal Kinetic Inductance Detectors Suitable for X-ray Spectroscopy. Journal of Low Temperature Physics, 2018, 193, 163-169.	0.6	5
135	^{163} 163 Ho Distillation and Implantation for HOLMES Experiment. Journal of Low Temperature Physics, 2019, 194, 453-459.	0.6	5
136	Results from the Cuore Experiment â€. Universe, 2019, 5, 10.	0.9	5
137	Transition-Edge Sensors for HOLMES. Journal of Low Temperature Physics, 2020, 199, 716-722.	0.6	5
138	Photoconductive properties of PbTe and Pb0.8Sn0.2Te epitaxial films. Physica Status Solidi A, 1972, 12, 193-198.	1.7	4
139	Development and optimization of a modular bolometer to search for rare decays. European Physical Journal D, 1996, 46, 2893-2894.	0.4	4
140	Low temperature thermal detectors in searches for rare events. European Physical Journal D, 1998, 48, 133-144.	0.4	4
141	High-resolution bolometers for rare events detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 293-296.	0.7	4
142	Status of the Milano neutrino mass experiment with arrays of AgReO4 microcalorimeters. Nuclear Physics, Section B, Proceedings Supplements, 2002, 110, 369-371.	0.5	4
143	First results from the Cuoricino experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 132-134.	0.7	4
144	Fabrication of silicon bolometers with bulk micromachining technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 493-495.	0.7	4

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