Paolo Gorla

List of Publications by Year
in descending order

111 papers	3,840 citations	147726 31 h-index	123376 61 g-index
111 all docs	111 docs citations	111 times ranked	4889 citing authors

#	Article	IF	Citations
1	The CUORE cryostat: An infrastructure for rare event searches at millikelvin temperatures. Cryogenics, 2019, 102, 9-21.	0.9	38
2	Result on the Neutrinoless Double Beta Decay Search of 82Se with the CUPID-0 Experiment. Universe, 2019, 5, 2.	0.9	0
3	Results from the Cuore Experiment â€. Universe, 2019, 5, 10.	0.9	5
4	Study of rare nuclear processes with CUORE. International Journal of Modern Physics A, 2018, 33, 1843002.	0.5	11
5	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
6	The CUORE Cryostat. Journal of Low Temperature Physics, 2018, 193, 867-875.	0.6	11
7	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
8	A Low Nuclear Recoil Energy Threshold for Dark Matter Search with CRESST-III Detectors. Journal of Low Temperature Physics, 2018, 193, 441-448.	0.6	7
9	Search for neutrinoless Î²+EC decay of Te120 with CUORE-0. Physical Review C, 2018, 97, .	1.1	15
10	An active noise cancellation technique for the CUORE Pulse Tube cryocoolers. Cryogenics, 2018, 93, 56-65.	0.9	36
11	TES-Based Light Detectors for the CRESST Direct Dark Matter Search. Journal of Low Temperature Physics, 2018, 193, 1160-1166.	0.6	17
12	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
13	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
14	The CUORE cryostat and its bolometric detector. Journal of Instrumentation, 2017, 12, C02055-C02055.	0.5	2
15	Lowering the CUORE energy threshold. Journal of Physics: Conference Series, 2017, 888, 012047.	0.3	0
16	Dark-photon search using data from CRESST-II Phase 2. European Physical Journal C, 2017, 77, 1.	1.4	11
17	Results from CUORE and CUORE-0. AIP Conference Proceedings, 2017, , .	0.3	0
18	The projected background for the CUORE experiment. European Physical Journal C, 2017, 77, 1.	1.4	90

#	Article	IF	Citations
19	CUORE sensitivity to $$0u eta eta $$ decay. European Physical Journal C, 2017, 77, 1.	1.4	31
20	Results on MeV-scale dark matter from a gram-scale cryogenic calorimeter operated above ground. European Physical Journal C, 2017, 77, 1.	1.4	132
21	Low energy analysis techniques for CUORE. European Physical Journal C, 2017, 77, 1.	1.4	17
22	The CUORE cryostat: a 10 mK infrastructure for large bolometric arrays. Journal of Physics: Conference Series, 2017, 888, 012235.	0.3	2
23	The CUORE and CUORE-0 experiments at LNGS. EPJ Web of Conferences, 2017, 164, 07047.	0.1	0
24	Status and prospects for CUORE. Journal of Physics: Conference Series, 2017, 888, 012034.	0.3	3
25	Direct dark matter search with the CRESST-III experiment - status and perspectives. Journal of Physics: Conference Series, 2017, 888, 012209.	0.3	4
26	Search for dark photons using data from CRESST-II Phase 2. Journal of Physics: Conference Series, 2017, 888, 012208.	0.3	0
27	The CRESST-III low-mass WIMP detector. Journal of Physics: Conference Series, 2016, 718, 042048.	0.3	13
28	New results on low-mass dark matter from the CRESST-II experiment. Journal of Physics: Conference Series, 2016, 718, 042044.	0.3	2
29	Results from the CUORE-0 experiment. Journal of Physics: Conference Series, 2016, 718, 062007.	0.3	1
30	New limits on double electron capture of40Ca and180W. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 095202.	1.4	13
31	The CUORE Cryostat: A 1-Ton Scale Setup for Bolometric Detectors. Journal of Low Temperature Physics, 2016, 184, 590-596.	0.6	13
32	In-situ study of light production and transport in phonon/light detector modules for dark matter search. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 821, 116-121.	0.7	8
33	Status of the CUORE and results from the CUORE-0 neutrinoless double beta decay experiments. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1719-1725.	0.2	4
34	Limits on Momentum-Dependent Asymmetric Dark Matter with CRESST-II. Physical Review Letters, 2016, 117, 021303.	2.9	7
35	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
36	CUORE-0 detector: design, construction and operation. Journal of Instrumentation, 2016, 11, P07009-P07009.	0.5	64

#	Article	IF	Citations
37	The CUORE cryostat: commissioning and performance. Journal of Physics: Conference Series, 2016, 718, 062054.	0.3	4
38	Exploring Low-Mass Dark Matter with CRESST. Journal of Low Temperature Physics, 2016, 184, 866-872.	0.6	2
39	Rejection of Alpha Surface Background in Non-scintillating Bolometric Detectors: The ABSuRD Project. Journal of Low Temperature Physics, 2016, 184, 879-884.	0.6	3
40	Results on light dark matter particles with a low-threshold CRESST-II detector. European Physical Journal C, 2016, 76, 1.	1.4	315
41	Dark Matter Search with CUORE-0 and CUORE. Physics Procedia, 2015, 61, 13-20.	1.2	2
42	CUORE and Beyond: Bolometric Techniques to Explore Inverted Neutrino Mass Hierarchy. Physics Procedia, 2015, 61, 241-250.	1.2	2
43	Search 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>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-0. Physical Review Letters, 2015, 115, 102502.	2.9	189
44	First data from CUORE-0. Physics Procedia, 2015, 61, 289-294.	1.2	1
45	Results of CUORE-0 and prospects for the CUORE experiment. Nuclear and Particle Physics Proceedings, 2015, 265-266, 73-76.	0.2	2
46	CUORE-0 results and prospects for the CUORE experiment. AIP Conference Proceedings, 2015, , .	0.3	0
47	First neutrinoless double beta decay results from CUORE-0. AIP Conference Proceedings, 2015, , .	0.3	1
48	Neutrinoless double-beta decay search with CUORE and CUORE-0 experiments. EPJ Web of Conferences, 2015, 90, 03004.	0.1	1
49	The CUORE and CUORE-0 experiments at Gran Sasso. EPJ Web of Conferences, 2015, 95, 04024.	0.1	1
50	Searching for Neutrinoless Double-Beta Decay of¹³⁰Te with CUORE. Advances in High Energy Physics, 2015, 2015, 1-13.	0.5	109
51	A detector module with highly efficient surface-alpha event rejection operated in CRESST-II Phase 2. European Physical Journal C, 2015, 75, 1.	1.4	22
52	Absolute neutrino mass scale: session summary. Nuclear and Particle Physics Proceedings, 2015, 265-266, 333-338.	0.2	0
53	Beta/gamma and alpha backgrounds in CRESST-II Phase 2. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 030-030.	1.9	27
54	Impact of coherent neutrino nucleus scattering on direct dark matter searches based on CaWO 4 crystals. Astroparticle Physics, 2015, 69, 44-49.	1.9	21

#	Article	IF	Citations
55	Exploring the neutrinoless double beta decay in the inverted neutrino hierarchy with bolometric detectors. European Physical Journal C, 2014, 74, 1.	1.4	85
56	Results on low mass WIMPs using an upgraded CRESST-II detector. European Physical Journal C, 2014, 74, 1.	1.4	159
57	Commissioning of the 4 K Outer Cryostat for the CUORE Experiment. Journal of Low Temperature Physics, 2014, 176, 952-958.	0.6	4
58	Initial performance of the CUORE-0 experiment. European Physical Journal C, 2014, 74, 1.	1.4	52
59	Energy-dependent light quenching in CaWO $$_4$$ 4 crystals at mK temperatures. European Physical Journal C, 2014, 74, 1.	1.4	28
60	First CUORE-0 Performance Results and Status of CUORE Experiment. Journal of Low Temperature Physics, 2014, 176, 986-994.	0.6	1
61	Rejection of Surface Background in Thermal Detectors. Journal of Low Temperature Physics, 2014, 176, 898.	0.6	1
62	Radiopurity of CaWO₄ crystals for direct dark matter search with CRESST and EURECA. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 018-018.	1.9	25
63	CUORE and CUORE-0 status: toward a next-generation neutrinoless double beta decay experiment. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 34-36.	0.5	0
64	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
65	Rejection of surface background in thermal detectors: The ABSuRD project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 286-289.	0.7	7
66	Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.	1.9	66
67	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
68	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 State. Physical Review Letters, 2013, 108, 232501.	2.9	34
69	Publisher's Note: 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 state [Phys. Rev. Lett. 108, 232501 (2012)]. Physical Review Letters, 2012, 108, .	2.9	1
70	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
71	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	1.9	62
72	Scintillating bolometers for Î²Î² Decay search. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 348.	0.5	0

#	Article	IF	Citations
73	A new technique for the identification of surface contamination in low temperature bolometric experiments. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 390.	0.5	0
74	The MARE project: a new 187Re neutrino mass experiment with sub eV sensitivity. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 394.	0.5	1
75	Search for Î²+/EC double beta decay of 120Te. Astroparticle Physics, 2011, 34, 643-648.	1.9	17
76	130Te neutrinoless double-beta decay with CUORICINO. Astroparticle Physics, 2011, 34, 822-831.	1.9	204
77	Response of a TeO2bolometer to Î± particles. Journal of Instrumentation, 2010, 5, P12005-P12005.	0.5	12
78	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
79	Muon-induced backgrounds in the CUORICINO experiment. Astroparticle Physics, 2010, 34, 18-24.	1.9	24
80	Background study and Monte Carlo simulations for large-mass bolometers. European Physical Journal A, 2009, 41, 155-168.	1.0	53
81	The CUORE Experiment: Bolometric Detectors inÂ1-Ton Scale Projects. Journal of Low Temperature Physics, 2008, 151, 607-612.	0.6	2
82	A New Technique for the Identification of Surface Background: The Surface Sensitive Bolometers. Journal of Low Temperature Physics, 2008, 151, 841-847.	0.6	2
83	Scintillating Bolometers for Double Beta Decay Search. Journal of Low Temperature Physics, 2008, 151, 854-859.	0.6	8
84	Control of bulk and surface radioactivity in bolometric searches for double-beta decay. European Physical Journal A, 2008, 36, 159-166.	1.0	29
85	CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398.	0.5	10
86	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> 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
87	Surface sensitivity in large mass bolometers: discrimination of the origin of events. Proceedings of SPIE, 2007, , .	0.8	0
88	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
89	New CUORICINO results on the way to CUORE. Physica Scripta, 2006, T127, 49-51.	1.2	2
90	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

#	Article	IF	Citations
91	The CUORICINO and CUORE double beta decay experiments. Progress in Particle and Nuclear Physics, 2006, 57, 203-216.	5.6	7
92	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
93	Cuoricino and CUORE detectors: developing big arrays of large mass bolometers for rare events physics. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 214-218.	0.5	4
94	New CUORICINO results and status of CUORE. Physics of Atomic Nuclei, 2006, 69, 2083-2089.	0.1	1
95	Scintillating double-beta-decay bolometers. Physics of Atomic Nuclei, 2006, 69, 2109-2116.	0.1	135
96	CUORICINO status and CUORE prospects. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 268-271.	0.5	6
97	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
98	First results of the CUORICINO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 210-213.	0.5	1
99	New Limit on the NeutrinolessÎ²Î²Decay ofTe130. Physical Review Letters, 2005, 95, 142501.	2.9	93
100	The temperature stabilization system of CUORICINO: an array of macro bolometers. IEEE Transactions on Nuclear Science, 2005, 52, 1630-1637.	1.2	14
101	RESULTS FROM CUORICINO AND PROSPECTS FOR CUORE. , 2005, , .		0
102	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
103	CUORICINO: a new large bolometer array for astroparticle physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 256-258.	0.7	2
104	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
105	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
106	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
107	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
108	Use of good copper for the optimization of the cooling down procedure of large masses. Cryogenics, 2004, 44, 167-170.	0.9	7

#	Article	IF	Citations
109	CUORE: low-temperature techniques for neutrino physics. Physica B: Condensed Matter, 2003, 329-333, 1570-1573.	1.3	2
110	Measurement of thermal properties for modeling and optimization of large mass bolometers. Physica B: Condensed Matter, 2003, 329-333, 1614-1615.	1.3	6
111	Physics potential and prospects for the CUORICINO and CUORE experiments. Astroparticle Physics, 2003, 20, 91-110.	1.9	64