

# Stefano Dell'Oro

## List of Publications by Year in descending order

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62  
papers

2,133  
citations

471509

17  
h-index

223800

46  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3342  
citing authors

#	ARTICLE	IF	CITATIONS
1	CUORE opens the door to tonne-scale cryogenics experiments. Progress in Particle and Nuclear Physics, 2022, 122, 103902.	14.4	16
2	Search for Majorana neutrinos exploiting millikelvin cryogenics with CUORE. Nature, 2022, 604, 53-58.	27.8	74
3	Expected sensitivity to $^{128}\text{Te}$ neutrinoless double beta decay with the CUORE TeO <sub>2</sub> cryogenic bolometers. Journal of Low Temperature Physics, 2022, 209, 788-795.	1.4	1
4	Characterization of cubic $\text{Li}_2\text{MoO}_4$ crystals for the CUPID experiment. European Physical Journal C, 2021, 81, 1.	3.9	21
5	Discovery probabilities of Majorana neutrinos based on cosmological data. Physical Review D, 2021, 103, .	4.7	4
6	Measurement of the $^{130}\text{Te}$ decay Half-Life of $^{130}\text{Te}$ with CUORE. European Physical Journal C, 2021, 81, 1.	7.8	29
7	Search for double-beta decay of $^{130}\text{Te}$ to the $0^+$ states of $^{130}\text{Xe}$ with CUORE. European Physical Journal C, 2021, 81, 1.	3.9	6
8	Optimization of a single module of CUPID. Journal of Physics: Conference Series, 2021, 2156, 012228.	0.4	0
9	Searching for New Physics in two-neutrino double beta decay with CUPID. Journal of Physics: Conference Series, 2021, 2156, 012233.	0.4	1
10	CUORE: The first bolometric experiment at the ton scale for the search for neutrino-less double beta decay. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162440.	1.6	2
11	Lowering the Energy Threshold of the CUORE Experiment: Benefits in the Surface Alpha Events Reconstruction. Journal of Low Temperature Physics, 2020, 200, 321-330.	1.4	4
12	Improved Limit on Neutrinoless Double-Beta Decay in $^{130}\text{Te}$ with CUORE. Physical Review Letters, 2020, 124, 122501.	7.8	133
13	First results from the CUORE experiment. Journal of Physics: Conference Series, 2020, 1342, 012002.	0.4	1
14	Initial performance of the CUORE detector. Journal of Physics: Conference Series, 2020, 1342, 012114.	0.4	0
15	The CUORE Detector and Results. Journal of Low Temperature Physics, 2020, 199, 519-528.	1.4	14
16	Perspectives of lowering CUORE thresholds with Optimum Trigger. Journal of Physics: Conference Series, 2020, 1643, 012020.	0.4	1
17	Status and results from the CUORE experiment. International Journal of Modern Physics A, 2020, 35, 2044016.	1.5	0
18	Results from the CUORE experiment. Journal of Physics: Conference Series, 2019, 1137, 012052.	0.4	0



#	ARTICLE	IF	CITATIONS
37	CUORE sensitivity to $0\nu\beta\beta$ decay. European Physical Journal C, 2017, 77, 1.	3.9	31
38	Low energy analysis techniques for CUORE. European Physical Journal C, 2017, 77, 1.	3.9	17
39	The CUORE cryostat: a 10 mK infrastructure for large bolometric arrays. Journal of Physics: Conference Series, 2017, 888, 012235.	0.4	2
40	The CUORE and CUORE-0 experiments at LNGS. EPJ Web of Conferences, 2017, 164, 07047.	0.3	0
41	Status and prospects for CUORE. Journal of Physics: Conference Series, 2017, 888, 012034.	0.4	3
42	The Cryogenic Underground Observatory for Rare Events: Status and Prospects. , 2017, , .		0
43	Neutrinoless Double Beta Decay: 2015 Review. Advances in High Energy Physics, 2016, 2016, 1-37.	1.1	292
44	Results from the CUORE-0 experiment. Journal of Physics: Conference Series, 2016, 718, 062007.	0.4	1
45	Recent results from cosmology and neutrinoless double beta decay. Journal of Physics: Conference Series, 2016, 718, 062012.	0.4	0
46	The CUORE Cryostat: A 1-Ton Scale Setup for Bolometric Detectors. Journal of Low Temperature Physics, 2016, 184, 590-596.	1.4	13
47	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.	0.5	4
48	Analysis techniques for the evaluation of the neutrinoless double- $\beta$ decay lifetime in $^{130}\text{Te}$ with the CUORE-0 detector. Physical Review C, 2016, 93, .	2.9	64
49	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. Reports on Progress in Physics, 2016, 79, 124201.	20.1	496
50	CUORE-0 detector: design, construction and operation. Journal of Instrumentation, 2016, 11, P07009-P07009.	1.2	64
51	The CUORE cryostat: commissioning and performance. Journal of Physics: Conference Series, 2016, 718, 062054.	0.4	4
52	Young Researcher Meeting, L'Aquila 2015. Journal of Physics: Conference Series, 2016, 689, 011001.	0.4	0
53	Search for Neutrinoless Double Beta Decay of $^{130}\text{Te}$ with CUORE-0. Physical Review Letters, 2015, 115, 102502.	7.8	189
54	Results of CUORE-0 and prospects for the CUORE experiment. Nuclear and Particle Physics Proceedings, 2015, 265-266, 73-76.	0.5	2

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55	CUORE-0 results and prospects for the CUORE experiment. AIP Conference Proceedings, 2015, , .	0.4	0
56	First neutrinoless double beta decay results from CUORE-0. AIP Conference Proceedings, 2015, , .	0.4	1
57	The contribution of light Majorana neutrinos to neutrinoless double beta decay and cosmology. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 023-023.	5.4	28
58	Neutrinoless double-beta decay search with CUORE and CUORE-0 experiments. EPJ Web of Conferences, 2015, 90, 03004.	0.3	1
59	The CUORE and CUORE-0 experiments at Gran Sasso. EPJ Web of Conferences, 2015, 95, 04024.	0.3	1
60	Neutrinoless double beta decay: expectations and uncertainties. Nuclear and Particle Physics Proceedings, 2015, 265-266, 31-33.	0.5	4
61	New expectations and uncertainties on neutrinoless double beta decay. Physical Review D, 2014, 90, .	4.7	62
62	New results from the CUORE experiment. International Journal of Modern Physics A, 0, , .	1.5	0