

Stefano Dell'Oro

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,133
citations

471509

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62
all docs

62
docs citations

62
times ranked

3342
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Neutrinoless Double Beta Decay: 2015 Review. Advances in High Energy Physics, 2016, 2016, 1-37.	1.1	292
3	First Results from CUORE: A Search for Lepton Number Violation via $\langle 0 \nu \nu \rangle$ Decay of $\langle \text{Te} \rangle$ Search for Neutrinoless Double-Beta Decay of $\langle \text{Te} \rangle$	7.8	246
4	Search for Neutrinoless Double-Beta Decay of $\langle \text{Te} \rangle$ with CUORE. Physical Review Letters, 2020, 124, 122501.	7.8	189
5	The projected background for the CUORE experiment. European Physical Journal C, 2017, 77, 1.	3.9	90
7	Search for Majorana neutrinos exploiting millikelvin cryogenics with CUORE. Nature, 2022, 604, 53-58.	27.8	74
8	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.	3.9	73
9	Analysis techniques for the evaluation of the neutrinoless double $\langle \text{Te} \rangle$ decay lifetime in $\langle \text{Te} \rangle$ with the CUORE-0 detector. Physical Review C, 2016, 93, .	2.9	64
10	CUORE-0 detector: design, construction and operation. Journal of Instrumentation, 2016, 11, P07009-P07009.	1.2	64
11	New expectations and uncertainties on neutrinoless double beta decay. Physical Review D, 2014, 90, .	4.7	62
12	The CUORE cryostat: An infrastructure for rare event searches at millikelvin temperatures. Cryogenics, 2019, 102, 9-21.	1.7	38
13	CUORE sensitivity to $\langle \text{Te} \rangle$ decay. European Physical Journal C, 2017, 77, 1.	3.9	31
14	Measurement of the $\langle \text{Te} \rangle$ Decay Half-Life of $\langle \text{Te} \rangle$	7.8	29
15	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
16	Characterization of cubic Li_2MoO_4 crystals for the CUPID experiment. European Physical Journal C, 2021, 81, 1.	3.9	21
17	Neutrinoless Double Beta Decay Experiments With TeO_2 Low-Temperature Detectors. Frontiers in Physics, 2019, 7, .	2.1	20
18	Low energy analysis techniques for CUORE. European Physical Journal C, 2017, 77, 1.	3.9	17

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19	Contributed Review: The saga of neutrinoless double beta decay search with TeO ₂ thermal detectors. Review of Scientific Instruments, 2018, 89, 121502.	1.3	17
20	CUORE opens the door to tonne-scale cryogenics experiments. Progress in Particle and Nuclear Physics, 2022, 122, 103902.	14.4	16
21	Search for neutrinoless \hat{I}^2 +EC decay of Te ₁₂₀ with CUORE-0. Physical Review C, 2018, 97, .	2.9	15
22	The CUORE Detector and Results. Journal of Low Temperature Physics, 2020, 199, 519-528.	1.4	14
23	The CUORE Cryostat: A 1-Ton Scale Setup for Bolometric Detectors. Journal of Low Temperature Physics, 2016, 184, 590-596.	1.4	13
24	Study of rare nuclear processes with CUORE. International Journal of Modern Physics A, 2018, 33, 1843002.	1.5	11
25	The CUORE Cryostat. Journal of Low Temperature Physics, 2018, 193, 867-875.	1.4	11
26	Double-beta decay of ^{130}Te to the first 0^+ excited state of ^{130}Xe with CUORE-0. European Physical Journal C, 2019, 79, 1.	3.9	10
27	Empirical inference on the Majorana mass of the ordinary neutrinos. Physical Review D, 2019, 100, .	4.7	7
28	Search for double-beta decay of ^{130}Te to the 0^+ states of ^{130}Xe with CUORE. European Physical Journal C, 2021, 81, 1.	3.9	6
29	Results from the Cuore Experiment $\hat{\epsilon}$. Universe, 2019, 5, 10.	2.5	5
30	Neutrinoless double beta decay: expectations and uncertainties. Nuclear and Particle Physics Proceedings, 2015, 265-266, 31-33.	0.5	4
31	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
32	The CUORE cryostat: commissioning and performance. Journal of Physics: Conference Series, 2016, 718, 062054.	0.4	4
33	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
34	Discovery probabilities of Majorana neutrinos based on cosmological data. Physical Review D, 2021, 103, .	4.7	4
35	Status and prospects for CUORE. Journal of Physics: Conference Series, 2017, 888, 012034.	0.4	3
36	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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37	The CUORE cryostat and its bolometric detector. Journal of Instrumentation, 2017, 12, C02055-C02055.	1.2	2
38	The CUORE cryostat: a 10 mK infrastructure for large bolometric arrays. Journal of Physics: Conference Series, 2017, 888, 012235.	0.4	2
39	Search for $\langle i \rangle$ creation of electrons $\langle /i \rangle$ in lab. Journal of Physics: Conference Series, 2018, 1056, 012059.	0.4	2
40	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
41	First neutrinoless double beta decay results from CUORE-0. AIP Conference Proceedings, 2015, , .	0.4	1
42	Neutrinoless double-beta decay search with CUORE and CUORE-0 experiments. EPJ Web of Conferences, 2015, 90, 03004.	0.3	1
43	The CUORE and CUORE-0 experiments at Gran Sasso. EPJ Web of Conferences, 2015, 95, 04024.	0.3	1
44	Results from the CUORE-0 experiment. Journal of Physics: Conference Series, 2016, 718, 062007.	0.4	1
45	First results from the CUORE experiment. Journal of Physics: Conference Series, 2020, 1342, 012002.	0.4	1
46	Perspectives of lowering CUORE thresholds with Optimum Trigger. Journal of Physics: Conference Series, 2020, 1643, 012020.	0.4	1
47	Searching for New Physics in two-neutrino double beta decay with CUPID. Journal of Physics: Conference Series, 2021, 2156, 012233.	0.4	1
48	Expected sensitivity to ^{128}Te neutrinoless double beta decay with the CUORE TeO_2 cryogenic bolometers. Journal of Low Temperature Physics, 2022, 209, 788-795.	1.4	1
49	CUORE-0 results and prospects for the CUORE experiment. AIP Conference Proceedings, 2015, , .	0.4	0
50	Recent results from cosmology and neutrinoless double beta decay. Journal of Physics: Conference Series, 2016, 718, 062012.	0.4	0
51	Young Researcher Meeting, L'Aquila 2015. Journal of Physics: Conference Series, 2016, 689, 011001.	0.4	0
52	Lowering the CUORE energy threshold. Journal of Physics: Conference Series, 2017, 888, 012047.	0.4	0
53	Results from CUORE and CUORE-0. AIP Conference Proceedings, 2017, , .	0.4	0
54	The CUORE and CUORE-0 experiments at LNGS. EPJ Web of Conferences, 2017, 164, 07047.	0.3	0

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55	The CUORE and CUORE-0 experiments at LNGS. Journal of Physics: Conference Series, 2018, 1056, 012009.	0.4	0
56	Results from the CUORE experiment. Journal of Physics: Conference Series, 2019, 1137, 012052.	0.4	0
57	CUORE: The first bolometric experiment at the ton scale for rare decay searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 158-161.	1.6	0
58	Initial performance of the CUORE detector. Journal of Physics: Conference Series, 2020, 1342, 012114.	0.4	0
59	The Cryogenic Underground Observatory for Rare Events: Status and Prospects. , 2017, , .		0
60	Status and results from the CUORE experiment. International Journal of Modern Physics A, 2020, 35, 2044016.	1.5	0
61	New results from the CUORE experiment. International Journal of Modern Physics A, 0, , .	1.5	0
62	Optimization of a single module of CUPID. Journal of Physics: Conference Series, 2021, 2156, 012228.	0.4	0