

Ke Han

List of Publications by Year in descending order

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105
papers

5,624
citations

94433

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105
all docs

105
docs citations

105
times ranked

7710
citing authors

#	ARTICLE	IF	CITATIONS
1	Dark Matter Results from 54-Ton-Day Exposure of PandaX-II Experiment. Physical Review Letters, 2017, 119, 181302.	7.8	764
2	Dark Matter Results from First 98.7 Days of Data from the PandaX-II Experiment. Physical Review Letters, 2016, 117, 121303.	7.8	501
3	Decay of ^{136}Xe with CUORE. Physical Review Letters, 2020, 124, 122501.	7.8	343
4	Decay of ^{136}Xe with the KamLAND-Zen experiment. Physical Review Letters, 2013, 107, 071302.	7.8	246
5	Dark Matter Search Results from the PandaX-4I Commissioning Run. Physical Review Letters, 2021, 127, 261802.	7.8	228
6	Reactor on-off antineutrino measurement with KamLAND. Physical Review D, 2013, 88, .	4.7	225
7	Constraints on ^{136}Xe from a three-flavor oscillation analysis of reactor antineutrinos at KamLAND. Physical Review D, 2011, 83, .	4.7	221
8	Partial radiogenic heat model for Earth revealed by geoneutrino measurements. Nature Geoscience, 2011, 4, 647-651.	12.9	196
9	Measurement of the double ^{136}Xe decay half-life of ^{136}Xe with CUORE. Physical Review Letters, 2020, 124, 122502.	7.8	189
10	Search for Neutrinoless Double-Beta Decay of ^{136}Xe with CUORE. Physical Review Letters, 2020, 124, 122501.	2.9	167
11	Searching for Neutrinoless Double-Beta Decay of ^{136}Xe with CUORE. Advances in High Energy Physics, 2015, 2015, 1-13.	7.8	133
12	Dark matter direct search sensitivity of the PandaX-4T experiment. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	103
13	Spin-Dependent Weakly-Interacting-Massive-Particle "Nucleon Cross Section Limits from First Data of PandaX-II Experiment. Physical Review Letters, 2017, 118, 071301.	7.8	101
14	First Search for Short-Baseline Neutrino Oscillations at HFIR with PROSPECT. Physical Review Letters, 2018, 121, 251802.	7.8	99
15	The projected background for the CUORE experiment. European Physical Journal C, 2017, 77, 1.	3.9	90
16	SEARCH FOR EXTRATERRESTRIAL ANTINEUTRINO SOURCES WITH THE KamLAND DETECTOR. Astrophysical Journal, 2012, 745, 193.	4.5	88
17	Limits on Axion Couplings from the First 80 Days of Data of the PandaX-II Experiment. Physical Review Letters, 2017, 119, 181806.	7.8	87

#	ARTICLE	IF	CITATIONS
19	PandaX-III: Searching for neutrinoless double beta decay with high pressure ^{136}Xe gas time projection chambers. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	86
20	Exploring the neutrinoless double beta decay in the inverted neutrino hierarchy with bolometric detectors. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	85
21	Results of dark matter search using the full PandaX-II exposure *. <i>Chinese Physics C</i> , 2020, 44, 125001.	3.7	80
22	Limits on Majoron-emitting double- β decays of ^{136}Xe in the KamLAND-Zen experiment. <i>Physical Review C</i> , 2012, 86, .	2.9	75
23	Search for Majorana neutrinos exploiting millikelvin cryogenics with CUORE. <i>Nature</i> , 2022, 604, 53-58.	27.8	74
24	Measurement of the two-neutrino double-beta decay half-life of ^{130}Te with the CUORE-0 experiment. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	73
25	Validation of techniques to mitigate copper surface contamination in CUORE. <i>Astroparticle Physics</i> , 2013, 45, 13-22.	4.3	66
26	Analysis techniques for the evaluation of the neutrinoless double- β decay lifetime in ^{130}Te with the CUORE-0 detector. <i>Physical Review C</i> , 2016, 93, .	2.9	64
27	CUORE-0 detector: design, construction and operation. <i>Journal of Instrumentation</i> , 2016, 11, P07009-P07009.	1.2	64
28	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. <i>Astroparticle Physics</i> , 2012, 35, 839-849.	4.3	62
29	Measurement of the ^{8}B solar neutrino flux with the KamLAND liquid scintillator detector. <i>Physical Review C</i> , 2011, 84, .	2.9	60
30	Constraining Dark Matter Models with a Light Mediator at the PandaX-II Experiment. <i>Physical Review Letters</i> , 2018, 121, 021304.	7.8	57
31	The PROSPECT physics program. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 113001.	3.6	53
32	Initial performance of the CUORE-0 experiment. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	52
33	PandaX-II constraints on spin-dependent WIMP-nucleon effective interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 792, 193-198.	4.1	51
34	Search for Light Dark Matterâ€“Electron Scattering in the PandaX-II Experiment. <i>Physical Review Letters</i> , 2021, 126, 211803.	7.8	49
35	^{7}Be solar neutrino measurement with KamLAND. <i>Physical Review C</i> , 2015, 92, .	2.9	48
36	The PROSPECT reactor antineutrino experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 922, 287-309.	1.6	40

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37	Valence neutron properties relevant to the neutrinoless double- \hat{I}^2 decay of ^{130}Te . Physical Review C, 2013, 87, .	2.9	37
38	Search for Cosmic-Ray Boosted Sub-GeV Dark Matter at the PandaX-II Experiment. Physical Review Letters, 2022, 128, 171801.	7.8	33
39	CUORE sensitivity to ^{26}Al decay. European Physical Journal C, 2017, 77, 1.	3.9	31
40	Measurement of the ^{26}Al Decay Half-Life of ^{26}Al . Physical Review Letters, 2019, 123, 171801.	7.8	29
41	A Search for Solar Axions and Anomalous Neutrino Magnetic Moment with the Complete PandaX-II Data*. Chinese Physics Letters, 2021, 38, 011301.	3.3	24
42	Performance of a segmented ^6Li -loaded liquid scintillator detector for the PROSPECT experiment. Journal of Instrumentation, 2018, 13, P06023-P06023.	1.2	23
43	Background radiation measurements at high power research reactors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 806, 401-419.	1.6	22
44	Characterization of cubic Li_2MoO_4 crystals for the CUPID experiment. European Physical Journal C, 2021, 81, 1.	3.9	21
45	Signal-background discrimination with convolutional neural networks in the PandaX-III experiment using MC simulation. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	20
46	Searching for neutrino-less double beta decay of ^{136}Xe with PandaX-II liquid xenon detector*. Chinese Physics C, 2019, 43, 113001.	3.7	20
47	Search for 14.4 keV solar axions from M1 transition of ^{57}Fe with CUORE crystals. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 007-007.	5.4	19
48	Light collection and pulse-shape discrimination in elongated scintillator cells for the PROSPECT reactor antineutrino experiment. Journal of Instrumentation, 2015, 10, P11004-P11004.	1.2	19
49	Low energy analysis techniques for CUORE. European Physical Journal C, 2017, 77, 1.	3.9	17
50	Novel technique for the study of pileup events in cryogenic bolometers. Physical Review C, 2021, 104, .	2.9	16
51	CUORE opens the door to tonne-scale cryogenics experiments. Progress in Particle and Nuclear Physics, 2022, 122, 103902.	14.4	16
52	The low energy spectrum of ^{26}Al bolometers: results and dark matter perspectives for the CUORE-0 and CUORE experiments. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 038-038.	5.4	15
53	Search for neutrinoless \hat{I}^2 +EC decay of ^{120}Te with CUORE-0. Physical Review C, 2018, 97, .	2.9	15
54	The CUORE Detector and Results. Journal of Low Temperature Physics, 2020, 199, 519-528.	1.4	14

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55	Search for Stable Strange Quark Matter in Lunar Soil. <i>Physical Review Letters</i> , 2009, 103, 092302.	7.8	13
56	Topological background discrimination in the PandaX-III neutrinoless double beta decay experiment. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 045108.	3.6	13
57	An improved evaluation of the neutron background in the PandaX-II experiment. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	13
58	Exploring the dark matter inelastic frontier with 79.6 days of PandaX-II data. <i>Physical Review D</i> , 2017, 96, .	4.7	12
59	Design and commissioning of a 600 L Time Projection Chamber with Microbulk Micromegas. <i>Journal of Instrumentation</i> , 2018, 13, P06012-P06012.	1.2	12
60	Determination of responses of liquid xenon to low energy electron and nuclear recoils using a PandaX-II detector *. <i>Chinese Physics C</i> , 2021, 45, 075001.	3.7	12
61	Constraining self-interacting dark matter with the full dataset of PandaX-II. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	12
62	A compact ultra-clean system for deploying radioactive sources inside the KamLAND detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 769, 88-96.	1.6	11
63	Study of rare nuclear processes with CUORE. <i>International Journal of Modern Physics A</i> , 2018, 33, 1843002.	1.5	11
64	Double-beta decay of ^{130}Te to the first 0^+ excited state of ^{130}Xe with CUORE-0. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	10
65	REST-for-Physics, a ROOT-based framework for event oriented data analysis and combined Monte Carlo response. <i>Computer Physics Communications</i> , 2022, 273, 108281.	7.5	10
66	Internal calibration of the PandaX-II detector with radon gaseous sources. <i>Journal of Instrumentation</i> , 2020, 15, P12038-P12038.	1.2	8
67	Modeling Iridium-Based Trilayer and Bilayer Transition-Edge Sensors. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.7	7
68	Search for double-beta decay of ^{130}Te to the 0^+ states of ^{130}Xe with CUORE. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	6
69	Results from the Cuore Experiment $\hat{=}$. <i>Universe</i> , 2019, 5, 10.	2.5	5
70	Signal identification with Kalman Filter towards background-free neutrinoless double beta decay searches in gaseous detectors. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	5
71	Status of the CUORE and results from the CUORE-0 neutrinoless double beta decay experiments. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 1719-1725.	0.5	4
72	Lowering the Energy Threshold of the CUORE Experiment: Benefits in the Surface Alpha Events Reconstruction. <i>Journal of Low Temperature Physics</i> , 2020, 200, 321-330.	1.4	4

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73	Enhanced search sensitivity to the double beta decay of ^{136}Xe to excited states with topological signatures. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	4
74	Status and prospects for CUORE. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012034.	0.4	3
75	PandaX-III: Searching for Neutrinoless Double Beta Decay with High Pressure Gaseous Time Projection Chambers. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012095.	0.4	3
76	Screener3D: a gaseous time projection chamber for ultra-low radioactive material screening. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1.	3.4	3
77	Search for stable strange quark matter in lunar soil using the mass spectrometry technique. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 064048.	3.6	2
78	Dark Matter Search with CUORE-0 and CUORE. <i>Physics Procedia</i> , 2015, 61, 13-20.	1.2	2
79	Results of CUORE-0 and prospects for the CUORE experiment. <i>Nuclear and Particle Physics Proceedings</i> , 2015, 265-266, 73-76.	0.5	2
80	The CUORE cryostat and its bolometric detector. <i>Journal of Instrumentation</i> , 2017, 12, C02055-C02055.	1.2	2
81	CUORE: The first bolometric experiment at the ton scale for the search for neutrino-less double beta decay. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 958, 162440.	1.6	2
82	First CUORE-0 Performance Results and Status of CUORE Experiment. <i>Journal of Low Temperature Physics</i> , 2014, 176, 986-994.	1.4	1
83	First data from CUORE-0. <i>Physics Procedia</i> , 2015, 61, 289-294.	1.2	1
84	First neutrinoless double beta decay results from CUORE-0. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	1
85	Neutrinoless double-beta decay search with CUORE and CUORE-0 experiments. <i>EPJ Web of Conferences</i> , 2015, 90, 03004.	0.3	1
86	The CUORE and CUORE-0 experiments at Gran Sasso. <i>EPJ Web of Conferences</i> , 2015, 95, 04024.	0.3	1
87	Results from the CUORE-0 experiment. <i>Journal of Physics: Conference Series</i> , 2016, 718, 062007.	0.4	1
88	First results from the CUORE experiment. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012002.	0.4	1
89	Perspectives of lowering CUORE thresholds with Optimum Trigger. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012020.	0.4	1
90	Searching for New Physics in two-neutrino double beta decay with CUPID. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012233.	0.4	1

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91	Measurement of high-pressure xenon gas absorption in acrylic. Journal of Instrumentation, 2022, 17, P05027.	1.2	1
92	A search for two-component Majorana dark matter in a simplified model using the full exposure data of PandaX-II experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137254.	4.1	1
93	EC decay of ^{129}Te with CUORE. Physical Review C, 2022, 105.	2.9	1
94	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
95	CUORE-0 results and prospects for the CUORE experiment. AIP Conference Proceedings, 2015, , .	0.4	0
96	Results from CUORE and CUORE-0. AIP Conference Proceedings, 2017, , .	0.4	0
97	The CUORE and CUORE-0 experiments at LNGS. EPI Web of Conferences, 2017, 164, 07047.	0.3	0
98	The CUORE and CUORE-0 experiments at LNGS. Journal of Physics: Conference Series, 2018, 1056, 012009.	0.4	0
99	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
100	Development of a 6D Kalman filter for charged particle tracking in time projection chamber without magnetic field. Radiation Detection Technology and Methods, 2020, 4, 70-77.	0.8	0
101	Initial performance of the CUORE detector. Journal of Physics: Conference Series, 2020, 1342, 012114.	0.4	0
102	Status and results from the CUORE experiment. International Journal of Modern Physics A, 2020, 35, 2044016.	1.5	0
103	Light yield and field dependence measurement in PandaX-II dual-phase xenon detector. Journal of Instrumentation, 2022, 17, P01008.	1.2	0
104	New results from the CUORE experiment. International Journal of Modern Physics A, 0, , .	1.5	0
105	Optimization of a single module of CUPID. Journal of Physics: Conference Series, 2021, 2156, 012228.	0.4	0