

Xun Chen

List of Publications by Year in descending order

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citations

361388

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37
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37
docs citations

37
times ranked

6447
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	Dark Matter Search Results from the PandaX-4T Commissioning Run. Physical Review Letters, 2021, 127, 261802.	7.8	228
4	Current status of direct dark matter detection experiments. Nature Physics, 2017, 13, 212-216.	16.7	183
5	Dark matter direct search sensitivity of the PandaX-4T experiment. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	103
6	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
7	PandaX: a liquid xenon dark matter experiment at CJPL. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1476-1494.	5.1	99
8	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
9	PandaX-III: Searching for neutrinoless double beta decay with high pressure ^{136}Xe gas time projection chambers. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	86
10	Results of dark matter search using the full PandaX-II exposure *. Chinese Physics C, 2020, 44, 125001.	3.7	80
11	First dark matter search results from the PandaX-I experiment. Science China: Physics, Mechanics and Astronomy, 2014, 57, 2024-2030.	5.1	72
12	Dark matter search results from the commissioning run of PandaX-II. Physical Review D, 2016, 93, .	4.7	59
13	Constraining Dark Matter Models with a Light Mediator at the PandaX-II Experiment. Physical Review Letters, 2018, 121, 021304.	7.8	57
14	PandaX-II constraints on spin-dependent WIMP-nucleon effective interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 193-198.	4.1	51
15	Search for Light Dark Matter–Electron Scattering in the PandaX-II Experiment. Physical Review Letters, 2021, 126, 211803.	7.8	49
16	Low-mass dark matter search results from full exposure of the PandaX-I experiment. Physical Review D, 2015, 92, .	4.7	45
17	Search for Cosmic-Ray Boosted Sub-GeV Dark Matter at the PandaX-II Experiment. Physical Review Letters, 2022, 128, 171801.	7.8	33
18	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

#	ARTICLE	IF	CITATIONS
19	A DEPFET Based Beam Telescope With Submicron Precision Capability. IEEE Transactions on Nuclear Science, 2008, 55, 662-666.	2.0	20
20	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
21	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
22	Material screening with HPGe counting station for PandaX experiment. Journal of Instrumentation, 2016, 11, T12002-T12002.	1.2	16
23	An improved evaluation of the neutron background in the PandaX-II experiment. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	13
24	Exploring the dark matter inelastic frontier with 79.6 days of PandaX-II data. Physical Review D, 2017, 96, .	4.7	12
25	Determination of responses of liquid xenon to low energy electron and nuclear recoils using a PandaX-II detector *. Chinese Physics C, 2021, 45, 075001.	3.7	12
26	Constraining self-interacting dark matter with the full dataset of PandaX-II. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	12
27	Low radioactive material screening and background control for the PandaX-4T experiment. Journal of High Energy Physics, 2022, 2022, .	4.7	10
28	Parity-violating asymmetry of W bosons produced in $p\bar{p}$ collisions. Nuclear Physics A, 2005, 759, 188-197.	1.5	9
29	Performance of photosensors in the PandaX-I experiment. Journal of Instrumentation, 2016, 11, T02005-T02005.	1.2	9
30	Krypton and radon background in the PandaX-I dark matter experiment. Journal of Instrumentation, 2017, 12, T02002-T02002.	1.2	6
31	The electronics and data acquisition system for the PandaX-I dark matter experiment. Journal of Instrumentation, 2016, 11, T04002-T04002.	1.2	4
32	DECAY PROBABILITY RATIO OF PENTAQUARK $\hat{\Gamma}^+$ STATE. Modern Physics Letters A, 2004, 19, 2289-2297.	1.2	1
33	A road-map for dark matter and dark energy research in China. Chinese Science Bulletin, 2016, 61, 1181-1187.	0.7	1
34	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
35	Understanding polarization correlation of entangled vector meson pairs. Physical Review D, 2012, 86, .	4.7	0
36	A low-cost slow control system for the PandaX-4T experiment. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Status and plan of the PandaX experiment. Chinese Science Bulletin, 2016, 61, 2264-2272.	0.7	0