

# Jingke Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1477836/publications.pdf>

Version: 2024-02-01

50  
papers

3,790  
citations

186265  
28  
h-index

254184  
43  
g-index

50  
all docs

50  
docs citations

50  
times ranked

5893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Results from a Search for Dark Matter in the Complete LUX Exposure. Physical Review Letters, 2017, 118, 021303.	7.8	1,081
2	Precision Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Be} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ Solar Neutrino Interaction Rate in Borexino. Physical Review Letters, 2011, 107, 141302.	7.8	441
3	Measurement of the solar $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 8 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ neutrino rate with a liquid scintillator target and 3 MeV energy threshold in the Borexino detector. Physical Review D, 2010, 82, .	4.7	214
4	First Evidence of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{e} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Solar Neutrinos by Direct Detection in Borexino. Physical Review Letters, 2012, 108, 051302.	7.8	213
5	Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy. Physical Review D, 2014, 89, .	4.7	204
6	Observation of geo-neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 299-304.	4.1	187
7	First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 456-466.	4.1	186
8	Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .	4.7	108
9	Measurement of geo-neutrinos from 1353 days of Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 295-300.	4.1	92
10	Absence of a day-night asymmetry in the $^7\text{Be}$ solar neutrino rate in Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 22-26.	4.1	83
11	The SABRE project and the SABRE Proof-of-Principle. European Physical Journal C, 2019, 79, 1.	3.9	73
12	Muon and cosmogenic neutron detection in Borexino. Journal of Instrumentation, 2011, 6, P05005-P05005.	1.2	68
13	Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.	5.4	63
14	Study of solar and other unknown anti-neutrino fluxes with Borexino at LNGS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 191-196.	4.1	60
15	Borexino calibrations: hardware, methods, and results. Journal of Instrumentation, 2012, 7, P10018-P10018.	1.2	60
16	New experimental limits on the Pauli-forbidden transitions in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{C} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 12 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ nuclei obtained with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 485 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ days Borexino data.	2.9	56
17	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{d} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 54 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Borexino detector. Physical Review D, 2012, 85, .	4.7	54
18	Cosmic-muon flux and annual modulation in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 015-015.	5.4	47

#	ARTICLE	IF	CITATIONS
19	SABRE: A New NaI(Tl) Dark Matter Direct Detection Experiment. <i>Physics Procedia</i> , 2015, 61, 169-178.	1.2	39
20	Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. <i>Astroparticle Physics</i> , 2013, 49, 44-51.	4.3	36
21	DarkSide search for dark matter. <i>Journal of Instrumentation</i> , 2013, 8, C11021-C11021.	1.2	36
22	Scintillation efficiency measurement of Na recoils in NaI(Tl) below the DAMA/LIBRA energy threshold. <i>Physical Review C</i> , 2015, 92, .	2.9	34
23	Search for annual and diurnal rate modulations in the LUX experiment. <i>Physical Review D</i> , 2018, 98, .	4.7	34
24	Measurement of CNGS muon neutrino speed with Borexino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 716, 401-405.	4.1	33
25	The veto system of the DarkSide-50 experiment. <i>Journal of Instrumentation</i> , 2016, 11, P03016-P03016.	1.2	33
26	New limits on heavy sterile neutrino mixing in $B \rightarrow \mu \nu \bar{\nu}$ decay obtained with the Borexino detector. <i>Physical Review D</i> , 2013, 88, .	4.7	29
27	Calibration, event reconstruction, data analysis, and limit calculation for the LUX dark matter experiment. <i>Physical Review D</i> , 2018, 97, .	4.7	29
28	Investigation of background electron emission in the LUX detector. <i>Physical Review D</i> , 2020, 102, .	4.7	29
29	Monte Carlo simulation of the SABRE PoP background. <i>Astroparticle Physics</i> , 2019, 106, 1-9.	4.3	26
30	A study of the trace $^{39}\text{Ar}$ content in argon from deep underground sources. <i>Astroparticle Physics</i> , 2015, 66, 53-60.	4.3	22
31	Electron extraction efficiency study for dual-phase xenon dark matter experiments. <i>Physical Review D</i> , 2019, 99, .	4.7	22
32	The DarkSide Multiton Detector for the Direct Dark Matter Search. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-8.	1.1	21
33	Lifetime measurements of $^{214}\text{Po}$ and $^{212}\text{Po}$ with the CTF liquid scintillator detector at LNGS. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	17
34	Low-Energy Physics Reach of Xenon Detectors for Nuclear-Recoil-Based Dark Matter and Neutrino Experiments. <i>Physical Review Letters</i> , 2019, 123, 231106.	7.8	14
35	LBECA: A Low Background Electron Counting Apparatus for Sub-GeV Dark Matter Detection. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012035.	0.4	14
36	SABRE – A test of DAMA with high-purity NaI(Tl) crystals. <i>AIP Conference Proceedings</i> , 2015, .	0.4	12

#	ARTICLE	IF	CITATIONS
37	Quenching measurements and modeling of a boron-loaded organic liquid scintillator. Journal of Instrumentation, 2017, 12, P08002-P08002.	1.2	6
38	First measurement of surface nuclear recoil background for argon dark matter searches. Physical Review D, 2017, 96, .	4.7	6
39	Recent results and future development of Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 235-236, 55-60.	0.4	3
40	Borexino: recent results, detector calibration and future perspectives. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 101-106.	0.4	2
41	First evidence of $\nu_{pep}$ solar neutrinos by direct detection in Borexino. Journal of Physics: Conference Series, 2012, 375, 042030.	0.4	1
42	Solar neutrino results from Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 104-106.	0.4	1
43	Lifetimes of $^{214}\text{Po}$ and $^{212}\text{Po}$ measured with Counting Test Facility at Gran Sasso National Laboratory. Journal of Environmental Radioactivity, 2014, 138, 444-446.	1.7	1
44	Production and suppression of $^{11}\text{C}$ in the solar neutrino experiment Borexino. , 2011, , .		0
45	Neutrinos from the sun and from radioactive sources. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 77-81.	0.4	0
46	Low energy neutrinos. International Journal of Modern Physics Conference Series, 2014, 31, 1460285.	0.7	0
47	The DarkSide Program. EPJ Web of Conferences, 2016, 121, 06010.	0.3	0
48	A first walk on the DarkSide. Nuclear and Particle Physics Proceedings, 2016, 273-275, 452-458.	0.5	0
49	The DarkSide direct dark matter search with liquid argon. AIP Conference Proceedings, 2017, , .	0.4	0
50	THE DARKSIDE-50 EXPERIMENT: A LIQUID ARGON TARGET FOR DARK MATTER PARTICLES. , 2017, , 355-360.		0