Xuefeng Ding

List of Publications by Year
in descending order

41 papers	1,427 citations	394421 19 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	1709 citing authors

#	Article	IF	Citations
1	New Measurement of Antineutrino Oscillation with the Full Detector Configuration at Daya Bay. Physical Review Letters, 2015, 115, 111802.	7.8	176
2	Comprehensive measurement of pp-chain solar neutrinos. Nature, 2018, 562, 505-510.	27.8	169
3	Measurement of the Reactor Antineutrino Flux and Spectrum at Daya Bay. Physical Review Letters, 2016, 116, 061801.	7.8	161
4	Measurement of electron antineutrino oscillation based on 1230Âdays of operation of the Daya Bay experiment. Physical Review D, 2017, 95, .	4.7	118
5	Improved measurement of the reactor antineutrino flux and spectrum at Daya Bay. Chinese Physics C, 2017, 41, 013002.	3.7	96
6	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. Physical Review D, 2017, 96, .	4.7	94
7	The detector system of the Daya Bay reactor neutrino experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 811, 133-161.	1.6	75
8	Limits on Active to Sterile Neutrino Oscillations from Disappearance Searches in the MINOS, Daya Bay, and Bugey-3 Experiments. Physical Review Letters, 2016, 117, 151801.	7.8	71
9	Improved Search for a Light Sterile Neutrino with the Full Configuration of the Daya Bay Experiment. Physical Review Letters, 2016, 117, 151802.	7.8	65
10	Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.	4.7	39
11	Optimization of the JUNO liquid scintillator composition using a Daya Bay antineutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164823.	1.6	34
12	The Monte Carlo simulation of the Borexino detector. Astroparticle Physics, 2018, 97, 136-159.	4.3	30
13	New measurement ofî¸13via neutron capture on hydrogen at Daya Bay. Physical Review D, 2016, 93, .	4.7	26
14	A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. Astrophysical Journal, 2017, 850, 21.	4.5	26
15	Search for low-energy neutrinos from astrophysical sources with Borexino. Astroparticle Physics, 2021, 125, 102509.	4.3	26
16	Feasibility and physics potential of detecting ⁸B solar neutrinos at JUNO *. Chinese Physics C, 2021, 45, 023004.	3.7	26
17	Seasonal modulation of the 7 Be solar neutrino rate in Borexino. Astroparticle Physics, 2017, 92, 21-29.	4.3	22
18	Modulations of the cosmic muon signal in ten years of Borexino data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 046-046.	5.4	22

#	Article	IF	Citations
19	Sensitivity to neutrinos from the solar CNO cycle in Borexino. European Physical Journal C, 2020, 80, 1.	3.9	19
20	Distillation and stripping pilot plants for the JUNO neutrino detector: Design, operations and reliability. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 925, 6-17.	1.6	17
21	First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino. Physical Review Letters, 2022, 128, 091803.	7.8	17
22	GIGJ: A Crustal Gravity Model of the Guangdong Province for Predicting the Geoneutrino Signal at the JUNO Experiment. Journal of Geophysical Research: Solid Earth, 2019, 124, 4231-4249.	3.4	16
23	Measurement of the fluorescence quantum yield of bis-MSB. Chinese Physics C, 2015, 39, 126001.	3.7	15
24	Nanoseconds Timing System Based on IEEE 1588 FPGA Implementation. IEEE Transactions on Nuclear Science, 2019, 66, 1151-1158.	2.0	15
25	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
26	JUNO sensitivity to low energy atmospheric neutrino spectra. European Physical Journal C, 2021, 81, 1.	3.9	11
27	Preliminary study of light yield dependence on LAB liquid scintillator composition. Chinese Physics C, 2015, 39, 096003.	3.7	8
28	Temperature dependence of the light yield of the LAB-based and mesitylene-based liquid scintillators. Chinese Physics C, 2014, 38, 116001.	3.7	6
29	Identification of the cosmogenic ^{11}C background in large volumes of liquid scintillators with Borexino. European Physical Journal C, 2021, 81, 1.	3.9	6
30	Charge reconstruction in large-area photomultipliers. Journal of Instrumentation, 2018, 13, P02008-P02008.	1.2	3
31	Solar Neutrinos Spectroscopy with Borexino Phase-II. Universe, 2018, 4, 118.	2.5	2
32	GooStats: A GPU-based framework for multi-variate analysis in particle physics. Journal of Instrumentation, 2018, 13, P12018-P12018.	1.2	2
33	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. Journal of Physics: Conference Series, 2017, 934, 012003.	0.4	1
34	Recent Borexino results and perspectives of the SOX measurement. EPJ Web of Conferences, 2018, 182, 02099.	0.3	0
35	The SOX experiment hunts the sterile neutrino. , 2018, , .		0
36	Solar neutrino physics with Borexino. , 2019, , .		0

#	Article	IF	Citations
37	The study of solar neutrinos and of non-standard neutrino interactions with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012192.	0.4	0
38	Search for low-energy signals from fast radio bursts with the Borexino detector. European Physical Journal C, 2022, 82, 1.	3.9	0
39	Solar and geoneutrinos. Journal of Physics: Conference Series, 2021, 2156, 012002.	0.4	0
40	First Cherenkov directional detection of sub-MeV solar neutrinos in Borexino. Journal of Physics: Conference Series, 2021, 2156, 012111.	0.4	0
41	Observation of CNO cycle solar neutrinos in Borexino. Journal of Physics: Conference Series, 2021, 2156, 012128.	0.4	0