

# Liang Zhan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4438351/publications.pdf>

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19  
papers

1,218  
citations

1040056

9  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrino physics with JUNO. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 030401.	3.6	750
2	Unambiguous determination of the neutrino mass hierarchy using reactor neutrinos. <i>Physical Review D</i> , 2013, 88, .	4.7	177
3	Determination of the neutrino mass hierarchy at an intermediate baseline. <i>Physical Review D</i> , 2008, 78, .	4.7	98
4	Experimental requirements to determine the neutrino mass hierarchy using reactor neutrinos. <i>Physical Review D</i> , 2009, 79, .	4.7	73
5	Calibration strategy of the JUNO experiment. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	39
6	The design and sensitivity of JUNO's scintillator radiopurity pre-detector OSIRIS. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	15
7	Neutron-gamma discrimination of CsI(Na) crystals for dark matter searches. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 642, 52-58.	1.6	13
8	Radioactivity control strategy for the JUNO detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	13
9	JUNO sensitivity to low energy atmospheric neutrino spectra. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	11
10	Fast light of CsI(Na) crystals. <i>Chinese Physics C</i> , 2011, 35, 1130-1133.	3.7	8
11	Mass hierarchy sensitivity of medium baseline reactor neutrino experiments with multiple detectors. <i>Nuclear Physics B</i> , 2017, 918, 245-256.	2.5	7
12	Neutrino-Based Tools for Nuclear Verification and Diplomacy in North Korea. <i>Science and Global Security</i> , 2019, 27, 15-28.	0.3	7
13	Daya Bay II and Future Reactor Experiments. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2013, 237-238, 114-116.	0.4	5
14	JUNO: A Next Generation Reactor Antineutrino Experiment. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 1825-1829.	0.5	1
15	Neutrino physics for Korean diplomacy. <i>Science</i> , 2018, 362, 649-650.	12.6	1
16	Improved Measurement of Reactor Flux and Spectrum at Daya Bay. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012132.	0.4	0
17	Improving the energy resolution of the reactor antineutrino energy reconstruction with positron direction. <i>Radiation Detection Technology and Methods</i> , 2020, 4, 356-361.	0.8	0
18	Neutrino Oscillation Physics at JUNO. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	The Reactor Neutrino Energy Spectrum Measurement with a High Pressure Gas TPC Detector. , 2020, , .		0