

# Zheng Wang

## List of Publications by Year in descending order

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41  
papers

1,509  
citations

687363

13  
h-index

414414

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43  
docs citations

43  
times ranked

1708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring Lorentz Invariance Violation from Ultrahigh-Energy $\gamma$ Rays Observed by LHAASO. Physical Review Letters, 2022, 128, 051102.	7.8	19
2	Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.	4.7	39
3	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 $\gamma$ -ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262
4	Thermal Dynamics of Charge Density Wave Pinning in ZrTe <sub>3</sub> . Physical Review Letters, 2021, 126, 256401.	7.8	12
5	Measurement of the neutron total cross sections of aluminum at the back-n white neutron source of CSNS. European Physical Journal A, 2021, 57, 1.	2.5	5
6	A Dual Module Parallel Readout System Based on 10 Gb TCP/IP Transmission for HEPS-BPIX Detector. IEEE Transactions on Nuclear Science, 2021, 68, 2624-2629.	2.0	1
7	JUNO sensitivity to low energy atmospheric neutrino spectra. European Physical Journal C, 2021, 81, 1.	3.9	11
8	The design and sensitivity of JUNO's scintillator radiopurity pre-detector OSIRIS. European Physical Journal C, 2021, 81, 1.	3.9	15
9	Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
10	FPGA implementation of 10 <sup>10</sup> Ethernet-based DAQ systems for pixel detectors. Radiation Detection Technology and Methods, 2020, 4, 31-38.	0.8	3
11	A high time resolution and low-power ASIC for MRPC applications. Radiation Detection Technology and Methods, 2020, 4, 63-69.	0.8	2
12	Observation of a Near-Threshold Enhancement in the $pp\bar{\Lambda}^0$ Mass Spectrum from Radiative $J/\psi \rightarrow \gamma pp\bar{\Lambda}^0$ Decays. , 2020, , .		0
13	Observation of the Decay $\tilde{\chi}^0(2S) \rightarrow \gamma \gamma$ . , 2020, , .		0
14	Evidence of $\tilde{\chi}^0(3770)$ non- $DD\bar{\Lambda}^0$ decay to $J/\psi \gamma \tilde{\chi}^0$ . , 2020, , .		0
15	Flow units as dynamic defects in metallic glassy materials. National Science Review, 2019, 6, 304-323.	9.5	88
16	Measurement of the neutron total cross section of carbon at the Back-n white neutron beam of CSNS. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	13
17	Neutron energy spectrum measurement of the Back-n white neutron source at CSNS. European Physical Journal A, 2019, 55, 1.	2.5	47
18	LHAASO KM2A distributed long-distance data transmission. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	2

#	ARTICLE	IF	CITATIONS
19	The C6D6 detector system on the Back-n beam line of CSNS. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	17
20	A 2.86-TOPS/W Current Mirror Cross-Bar-Based Machine-Learning and Physical Unclonable Function Engine For Internet-of-Things Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2240-2252.	5.4	27
21	Integrated Wearable Indoor Positioning System Based On Visible Light Positioning And Inertial Navigation Using Unscented Kalman Filter. , 2019, , .		5
22	Current Mirror Array: A Novel Circuit Topology for Combining Physical Unclonable Function and Machine Learning. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1314-1326.	5.4	36
23	The Flash ADC system and PMT waveform reconstruction for the Daya Bay experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 895, 48-55.	1.6	13
24	Low-cost vector map assisted navigation strategy for autonomous vehicle. , 2018, , .		2
25	A High Frame Rate Test System for the HEPS-BPIX Based on NI-sbRIO Board. IEEE Transactions on Nuclear Science, 2017, 64, 1316-1319.	2.0	5
26	Development of an integrated four-channel fast avalanche-photodiode detector system with nanosecond time resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 870, 43-49.	1.6	9
27	Evaluation of new large area PMT with high quantum efficiency. Chinese Physics C, 2016, 40, 026002.	3.7	11
28	Neutrino physics with JUNO. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 030401.	3.6	750
29	Prototype of readout electronics for the LHAASO KM2A electromagnetic particle detectors. Chinese Physics C, 2016, 40, 076101.	3.7	11
30	HEPS-BPIX, a single photon counting pixel detector with a high frame rate for the HEPS project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 835, 169-176.	1.6	14
31	Analysis of the Tourism Locations of Chinese Provinces and Autonomous Regions: An Analysis Based on Cities. Chinese Journal of Urban and Environmental Studies, 2014, 02, 1450004.	1.3	0
32	EFFECT FROM THE GLUON-FUSION SIGNAL AND BACKGROUND INTERFERENCE FOR HIGGS DECAYING TO $\hat{\nu}\hat{\nu}$ ANALYSIS AT THE LHC. Modern Physics Letters A, 2013, 28, 1350081.	1.2	0
33	Suppressing ringing caused by large photomultiplier tube signals. Chinese Physics C, 2012, 36, 235-240.	3.7	8
34	An ASIC design for LHAASO. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1911-1914.	5.1	1
35	Design of the local trigger board for the Daya Bay reactor neutrino experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 138-142.	1.6	9
36	A 12-bit multichannel ADC for pixel detectors in particle physics and nuclear imaging. Science China Technological Sciences, 2010, 53, 1208-1214.	4.0	2

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37	Front-End electronics system of pmt readout for daya bay reactor Neutrino Experiment. , 2009, , .		4
38	Study of $J/\psi$ decaying into $\pi^0 p \bar{p}$ . European Physical Journal C, 2008, 53, 15-20.	3.9	39
39	Design of prototyping PMT electronic system for Daya Bay Reactor Neutrino Experiment. , 2008, , .		1
40	Experimental studies of the $\pi^0 \pi^0 \pi^0$ , $K^+ K^- \pi^0$ and $p \bar{p} \pi^0$ final states produced in $e^+e^-$ annihilation at $\sqrt{s} = 3.773$ and $3.650$ GeV. European Physical Journal C, 2007, 52, 805-811.	3.9	11
41	A $^{16}\text{N}/^{19}\text{O}$ Monitor for Leak Detection in a Steam Generator. Nuclear Technology, 2006, 155, 350-357.	1.2	0