Zheng Wang

List of Publications by Year
in descending order

41	1,509	687363 13	414414 32
papers	citations	h-index	g-index

43	43	43	1708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neutrino physics with JUNO. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 030401.	3.6	750
2	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 Î³-ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262
3	Flow units as dynamic defects in metallic glassy materials. National Science Review, 2019, 6, 304-323.	9.5	88
4	Neutron energy spectrum measurement of the Back-n white neutron source at CSNS. European Physical Journal A, 2019, 55, 1.	2.5	47
5	Study of J/Îˆ decaying into Ï‰ppÌ„. European Physical Journal C, 2008, 53, 15-20.	3.9	39
6	Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.	4.7	39
7	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
8	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
9	Exploring Lorentz Invariance Violation from Ultrahigh-Energy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> Rays Observed by LHAASO. Physical Review Letters, 2022, 128, 051102.	7.8	19
10	The C6D6 detector system on the Back-n beam line of CSNS. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	17
11	The design and sensitivity of JUNOâ€™s scintillator radiopurity pre-detector OSIRIS. European Physical Journal C, 2021, 81, 1.	3.9	15
12	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
13	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
14	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
15	Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
16	Thermal Dynamics of Charge Density Wave Pinning in ZrTe3. Physical Review Letters, 2021, 126, 256401.	7.8	12
17	Experimental studies of the Ï€+Ï€-Ï€+Ï€-Ï€0, K+K-Ï€+Ï€-Ï€0 and ppÌ„Ï€+Ï€-Ï€0 final states produced in e+e- annihilation at $sqrt{s}= 3.773$ and 3.650â€‰GeV. European Physical Journal C, 2007, 52, 805-811.	3.9	11
18	Evaluation of new large area PMT with high quantum efficiency. Chinese Physics C, 2016, 40, 026002.	3.7	11

#	Article	IF	Citations
19	Prototype of readout electronics for the LHAASO KM2A electromagnetic particle detectors. Chinese Physics C, 2016, 40, 076101.	3.7	11
20	JUNO sensitivity to low energy atmospheric neutrino spectra. European Physical Journal C, 2021, 81, 1.	3.9	11
21	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
22	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
23	Suppressing ringing caused by large photomultiplier tube signals. Chinese Physics C, 2012, 36, 235-240.	3.7	8
24	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
25	Integrated Wearable Indoor Positioning System Based On Visible Light Positioning And Inertial Navigation Using Unscented Kalman Filter. , 2019, , .		5
26	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
27	Front-End electronics system of pmt readout for daya bay reactor Neutrino Experiment. , 2009, , .		4
28	FPGA implementation of 10ÂG Ethernet-based DAQ systems for pixel detectors. Radiation Detection Technology and Methods, 2020, 4, 31-38.	0.8	3
29	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
30	Low-cost vector map assisted navigation strategy for autonomous vehicle. , 2018, , .		2
31	LHAASO KM2A distributed long-distance data transmission. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	2
32	A high time resolution and low-power ASIC for MRPC applications. Radiation Detection Technology and Methods, 2020, 4, 63-69.	0.8	2
33	Design of prototyping PMT electronic system for Daya Bay Reactor Neutrino Experiment. , 2008, , .		1
34	An ASIC design for LHAASO. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1911-1914.	5.1	1
35	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
36	A 16N/19O Monitor for Leak Detection in a Steam Generator. Nuclear Technology, 2006, 155, 350-357.	1.2	0

#	Article	IF	Citations
37	EFFECT FROM THE GLUON-FUSION SIGNAL AND BACKGROUND INTERFERENCE FOR HIGGS DECAYING TO Î³Î³ ANALYSIS AT THE LHC. Modern Physics Letters A, 2013, 28, 1350081.	1.2	0
38	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
39	Observation of a Near-Threshold Enhancement in the ppÂ¯ Mass Spectrum from Radiative J/Ïˆâ†’Î³ppÂ¯ Decays. , 2020, , .		0
40	Observation of the Decay Ïˆ(2S)â†’KS0KL0. , 2020, , .		0
41	Evidence of Ïˆ(3770) non-DDÂ¯ decay to J/ÏˆÏ€⁺Ï€^{â^’}. , 2020, , .		0