

# Kejun Zhu

## List of Publications by Year in descending order

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72  
papers

956  
citations

687363

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times ranked

737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 $\hat{\text{I}}^3$ -ray Galactic sources. <i>Nature</i> , 2021, 594, 33-36.	27.8	262
2	Study of MRPC technology for BESIII endcap-TOF upgrade. <i>Radiation Detection Technology and Methods</i> , 2017, 1, 1.	0.8	129
3	Peta- $\hat{\text{I}}$ electron volt gamma-ray emission from the Crab Nebula. <i>Science</i> , 2021, 373, 425-430.	12.6	86
4	Neutron energy spectrum measurement of the Back-n white neutron source at CSNS. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	47
5	Improved measurement of the absolute branching fraction of $D^+ \rightarrow K^+ \mu^+ \mu^-$ . <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	39
6	Calibration strategy of the JUNO experiment. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	39
7	DAQ Architecture Design of Daya Bay Reactor Neutrino Experiment. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 1723-1727.	2.0	24
8	The 6LiF-silicon detector array developed for real-time neutron monitoring at white neutron beam at CSNS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 946, 162497.	1.6	18
9	Construction and on-site performance of the LHAASO WFCTA camera. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	18
10	The C6D6 detector system on the Back-n beam line of CSNS. <i>Radiation Detection Technology and Methods</i> , 2019, 3, 1.	0.8	17
11	Background study for $D^+ \rightarrow K^+ \mu^+ \mu^-$ . <i>European Physical Journal C</i> , 2016, 76, 1.	1.6	16
12	The cosmic ray test of MRPCs for the BESIII ETOF upgrade. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	15
13	The design and sensitivity of JUNO's scintillator radiopurity pre-detector OSIRIS. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	15
14	HEPS-BPIX, a single photon counting pixel detector with a high frame rate for the HEPS project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 835, 169-176.	1.6	14
15	Observation of $X(2370)$ and search for $X(2120)$ in $J/\psi \rightarrow \gamma K^* \eta$ . <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	13
16	Measurement of the differential cross sections and angle-integrated cross sections of the $^6\text{Li}(n, t)^4\text{He}$ reaction from 1.0 eV to 3.0 MeV at the CSNS Back-n white neutron source *. <i>Chinese Physics C</i> , 2020, 44, 014003.	3.7	13
17	Radioactivity control strategy for the JUNO detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	13
18	JUNO sensitivity to low energy atmospheric neutrino spectra. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	11

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19	Electronics of Time-of-Flight Measurement for Back-n at CSNS. IEEE Transactions on Nuclear Science, 2019, 66, 1095-1099.	2.0	9
20	Measurements of differential and angle-integrated cross sections for the $^{10}\text{B}(n, \alpha)^7\text{Li}$ reaction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 981, 164343.	3.7	9
21	Detection of low-energy charged-particle using the $^3\text{He}$ -E-E telescope at the Back-n white neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 981, 164343.	1.6	9
22	Measurement of the $^{10}\text{B}(n, \alpha)^7\text{Li}$ and $^{10}\text{B}(n, \alpha)^7\text{Li}$ coherence factors and average strong-phase differences in quantum-correlated $^{10}\text{B}$ decays. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
23	Pressure-induced enhancement of thermoelectric power factor in pristine and hole-doped SnSe crystals. RSC Advances, 2019, 9, 26831-26837.	3.6	7
24	Measurement of the $^{235}\text{U}(n, f)$ cross section for neutron energies from 0.4 MeV to 40 MeV from the back-streaming white neutron beam at the China Spallation Neutron Source. Physical Review C, 2020, 102, .	2.9	7
25	Initial years $^3\text{He}$ neutron-induced cross-section measurements at the CSNS Back-n white neutron source *. Chinese Physics C, 2021, 45, 062001.	3.7	7
26	Design and implementation of BESIII online farm. , 2008, , .		6
27	A high frame rate pixel readout chip design for synchrotron radiation applications. , 2015, , .		6
28	Application of a silicon detector array in $^{235}\text{U}(n, f)$ reaction cross-section measurements at the CSNS Back-n white neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 973, 164126.	1.6	6
29	Amplitude analysis and branching-fraction measurement of the $^{10}\text{B}(n, \alpha)^7\text{Li}$ reaction. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
30	Measurement of the neutron energy spectrum of Back-n #ES1 at CSNS. EPJ Web of Conferences, 2020, 239, 17018.	0.3	6
31	Online data processing and analyzing in BESIII DAQ. , 2009, , .		5
32	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
33	Measurement of the relative differential cross sections of the $^{10}\text{B}(n, \alpha)^7\text{Li}$ reaction in the neutron energy range from 6 MeV to 52 MeV. European Physical Journal A, 2021, 57, 1.	2.5	5
34	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
35	Amplitude analysis and branching fraction measurement of the decay $^{10}\text{B}(n, \alpha)^7\text{Li}$ . Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
36	Neutron capture cross section of $^{169}\text{Tm}$ measured at the CSNS Back-n facility in the energy region from 30 to 300 keV *. Chinese Physics C, 2022, 46, 044002.	3.7	5

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37	Experimental studies of $e^+e^- \rightarrow \text{charmless}$ processes containing $K_S^0$ at $\sqrt{s}=3.773$ and 3.65 GeV. European Physical Journal C, 2009, 64, 243.	3.9	4
38	The TSV process in the hybrid pixel detector for the High Energy Photon Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 980, 164425.	1.6	4
39	Measurement of relative differential cross sections of the neutron-deuteron elastic scattering for neutron energy from 13 to 52 MeV. European Physical Journal A, 2021, 57, 1.	2.5	4
40	Research and design of DAQ system for Daya Bay Reactor Neutrino Experiment. , 2008, , .		3
41	Search for $\tilde{\chi}(3770)^0 \rightarrow \text{charmless}$ final states involving $\tilde{\chi}^0$ or $\tilde{\chi}^{\pm}$ mesons. European Physical Journal C, 2010, 66, 11-16.	3.9	3
42	An SOA-Based Design of JUNO DAQ Online Software. IEEE Transactions on Nuclear Science, 2019, 66, 1199-1203.	2.0	3
43	HEPS-BPIX2: The hybrid pixel detector upgrade for high energy photon source in China. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162488.	1.6	3
44	Search for the rare semi-leptonic decay $J/\psi \rightarrow D_s^* e^+ \nu_e + \text{c.c.}$ Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
45	The Study of Calibration for the Hybrid Pixel Detector With Single Photon Counting in HEPS-BPIX. IEEE Transactions on Nuclear Science, 2021, 68, 2088-2095.	2.0	3
46	Measurement of branching fractions of $J/\psi$ and $\tilde{\chi}(3686)$ decays to $\tilde{\chi}^+ \nu_e$ and $\tilde{\chi}^0 \nu_e$ . Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
47	The implementation and application of statecharts in real-time system in high energy physics. IEEE Transactions on Nuclear Science, 2006, 53, 1032-1038.	2.0	2
48	JUNO DAQ Readout and Event Building Research. IEEE Transactions on Nuclear Science, 2019, 66, 1217-1221.	2.0	2
49	Measurement of the absolute branching fraction of the inclusive decay $\Lambda_c^+ \rightarrow K_S^0 X$ . European Physical Journal C, 2020, 80, 1.	3.9	2
50	DAQ readout prototype for JUNO. Radiation Detection Technology and Methods, 2021, 5, 600.	0.8	2
51	Cross section measurements of the $e^+e^- \rightarrow D^*+D^{*\prime}$ and $e^+e^- \rightarrow D^*+D^{*\prime}$ processes at center-of-mass energies from 4.085 to 4.600 GeV. Journal of High Energy Physics, 2022, 2022, .	4.7	2
52	RECENT RESULTS FROM BESII $J/\psi$ DECAYS. International Journal of Modern Physics A, 2009, 24, 428-433.	1.5	1
53	The DAQ system for a beam detection system based on TPC-THGEM. , 2016, , .		1
54	A dynamic range extension system for LHAASO WCDA-1. Radiation Detection Technology and Methods, 2021, 5, 520-530.	0.8	1

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55	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
56	Line-of-shower trigger method to lower energy threshold for GRB detection using LHAASO-WCDA. Radiation Detection Technology and Methods, 2021, 5, 531.	0.8	1
57	Control and monitoring software of LHAASO DAQ. Radiation Detection Technology and Methods, 2022, 6, 227-233.	0.8	1
58	The architecture of BESIII offline database. , 2009, , .		0
59	Design and implementation of DAQ readout system for the Daya Bay Reactor Neutrino Experiment. , 2012, , .		0
60	The Design of BESIII CGEM Detector Control System. , 2018, , .		0
61	Measurement of differential cross sections of neutron-induced deuteron production reactions on carbon from 25 to 52 MeV *. Chinese Physics C, 2021, 45, 064001.	3.7	0
62	Design and Testing of the Front-End Electronics of WCDA in LHAASO. IEEE Transactions on Nuclear Science, 2021, 68, 2257-2267.	2.0	0
63	Observation of $e^+e^- \rightarrow \psi(2S)$ at center-of-mass energies from 4.236 to 4.600 GeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	0
64	Observation of a Near-Threshold Enhancement in the $pp\bar{\Lambda}^-$ Mass Spectrum from Radiative $J/\psi \rightarrow \psi' pp\bar{\Lambda}^-$ Decays. , 2020, , .		0
65	Measurements of the Cross Section for $e^+e^- \rightarrow \psi(2S) \rightarrow \psi' \text{Hadrons}$ at Center-of-Mass Energies from 2 to 5 GeV. , 2020, , .		0
66	Observation of the Decay $\psi(2S) \rightarrow \psi' K_S^0 K_L^0$ . , 2020, , .		0
67	Observation of a Resonance $X(1835)$ in $J/\psi \rightarrow \psi' \bar{K}^0 K^0$ . , 2020, , .		0
68	Measurements of neutron-induced light-charged particle emission reactions. EPJ Web of Conferences, 2020, 239, 01001.	0.3	0
69	Observation of the decays $\bar{K}^0 \rightarrow \pi^+ \pi^- \overline{\Lambda} + c.c.$ . Journal of High Energy Physics, 2021, 2021, 1.	4.7	0
70	Amplitude analysis and branching-fraction measurement of $\bar{K}^0 \rightarrow \pi^+ \pi^- D_s^+$ . Journal of High Energy Physics, 2022, 2022, 1.	4.7	0
71	Search for the decay $hc \rightarrow \psi' \bar{K}^0 J/\psi$ . Journal of High Energy Physics, 2022, 2022, 1.	4.7	0
72	Search for new hadronic decays of $hc$ and observation of $hc \rightarrow \psi' \overline{p} \eta$ . Journal of High Energy Physics, 2022, 2022, .	4.7	0