

Huihai He

List of Publications by Year in descending order

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430874

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docs citations

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times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring Lorentz Invariance Violation from Ultrahigh-Energy γ Rays Observed by LHAASO. Physical Review Letters, 2022, 128, 051102.	7.8	19
2	Measurement of the Gamma-Ray Energy Spectrum beyond 100 TeV from the HESS J1843-033 Region. Astrophysical Journal, 2022, 932, 120.	4.5	4
3	Development of a magnetic shield for 20-inch microchannel plate photomultiplier tubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167128.	1.6	4
4	Observation of the Crab Nebula with LHAASO-KM2A γ a performance study *. Chinese Physics C, 2021, 45, 025002.	3.7	67
5	First Detection of sub-PeV Diffuse Gamma Rays from the Galactic Disk: Evidence for Ubiquitous Galactic Cosmic Rays beyond PeV Energies. Physical Review Letters, 2021, 126, 141101.	7.8	120
6	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 γ -ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262
7	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR J0622+3749 Observed by LHAASO-KM2A. Physical Review Letters, 2021, 126, 241103.	7.8	73
8	Gamma-Ray Observation of the Cygnus Region in the 100-TeV Energy Region. Physical Review Letters, 2021, 127, 031102.	7.8	16
9	Construction and on-site performance of the LHAASO WFCTA camera. European Physical Journal C, 2021, 81, 1.	3.9	18
10	Petaelectron volt gamma-ray emission from the Crab Nebula. Science, 2021, 373, 425-430.	12.6	86
11	Discovery of a New Gamma-Ray Source, LHAASO J0341+5258, with Emission up to 200 TeV. Astrophysical Journal Letters, 2021, 917, L4.	8.3	21
12	Design and Testing of the Front-End Electronics of WCDA in LHAASO. IEEE Transactions on Nuclear Science, 2021, 68, 2257-2267.	2.0	0
13	A dynamic range extension system for LHAASO WCDA-1. Radiation Detection Technology and Methods, 2021, 5, 520-530.	0.8	1
14	Discovery of the Ultrahigh-energy Gamma-Ray Source LHAASO J2108+5157. Astrophysical Journal Letters, 2021, 919, L22.	8.3	28
15	Strong constraints on Lorentz violation using new γ -ray observations around PeV *. Chinese Physics C, 2021, 45, 105105.	3.7	8
16	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
17	Measuring the optical parameters for LHAASO-MD. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 956, 163416.	1.6	2
18	First Detection of Photons with Energy beyond 100 TeV from an Astrophysical Source. Physical Review Letters, 2019, 123, 051101.	7.8	120

#	ARTICLE	IF	CITATIONS
19	Comparison of the Measurement and Simulation with KM2A Prototype Array. EPJ Web of Conferences, 2019, 208, 14006.	0.3	0
20	Response of the environmental thermal neutron flux to earthquakes. Journal of Environmental Radioactivity, 2019, 208-209, 105981.	1.7	11
21	Search for Gamma-Ray Emission from the Sun during Solar Minimum with the ARGO-YBJ Experiment. Astrophysical Journal, 2019, 872, 143.	4.5	9
22	Novel methods for measuring the optical parameters of the water Cherenkov detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 919, 73-81.	1.6	2
23	Calibration of the LHAASO-KM2A electromagnetic particle detectors using charged particles within the extensive air showers. Astroparticle Physics, 2018, 100, 22-28.	4.3	8
24	Evaluation of the Interplanetary Magnetic Field Strength Using the Cosmic-Ray Shadow of the Sun. Physical Review Letters, 2018, 120, 031101.	7.8	6
25	Measurement of muonic and electromagnetic components in cosmic ray air showers using LHAASO-KM2A prototype array. Physical Review D, 2018, 98, .	4.7	7
26	Influence of Earth-directed Coronal Mass Ejections on the Sun's Shadow Observed by the Tibet-III Air Shower Array. Astrophysical Journal, 2018, 860, 13.	4.5	7
27	Study of the trigger mode of LHAASO-KM2A. Astroparticle Physics, 2018, 103, 41-48.	4.3	5
28	Design of the LHAASO detectors. Radiation Detection Technology and Methods, 2018, 2, 1.	0.8	61
29	Northern Sky Galactic Cosmic Ray Anisotropy between 10 and 1000 TeV with the Tibet Air Shower Array. Astrophysical Journal, 2017, 836, 153.	4.5	54
30	Seasonal and Lunar Month Periods Observed in Natural Neutron Flux at High Altitude. Pure and Applied Geophysics, 2017, 174, 2763-2771.	1.9	17
31	Electron and thermal neutron lateral distribution functions in EAS at high altitude. Journal of Physics: Conference Series, 2016, 718, 052038.	0.4	4
32	EXPECTATION ON OBSERVATION OF SUPERNOVA REMNANTS WITH THE LHAASO PROJECT. Astrophysical Journal, 2016, 826, 63.	4.5	14
33	ARGO-YBJ OBSERVATION OF THE LARGE-SCALE COSMIC RAY ANISOTROPY DURING THE SOLAR MINIMUM BETWEEN CYCLES 23 AND 24. Astrophysical Journal, 2015, 809, 90.	4.5	51
34	Extension of photomultiplier tube dynamic range for the LHAASO-KM2A electromagnetic particle detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 781, 34-38.	1.6	12
35	Design and performances of prototype muon detectors of LHAASO-KM2A. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 789, 143-149.	1.6	19
36	Energy spectrum of cosmic protons and helium nuclei by a hybrid measurement at 4300 m a.s.l.. Chinese Physics C, 2014, 38, 045001.	3.7	31

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37	Probe of the Solar Magnetic Field Using the "Cosmic-Ray Shadow" of the Sun. Physical Review Letters, 2013, 111, 011101.	7.8	34
38	TeV GAMMA-RAY SURVEY OF THE NORTHERN SKY USING THE ARGO-YBJ DETECTOR. Astrophysical Journal, 2013, 779, 27.	4.5	64
39	OBSERVATION OF THE TeV GAMMA-RAY SOURCE MGRO J1908+06 WITH ARGO-YBJ. Astrophysical Journal, 2012, 760, 110.	4.5	38
40	MEAN INTERPLANETARY MAGNETIC FIELD MEASUREMENT USING THE ARGO-YBJ EXPERIMENT. Astrophysical Journal, 2011, 729, 113.	4.5	23
41	Simulation of the cosmic ray tau neutrino telescope (CRTNT) experiment. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 075201.	3.6	5
42	MULTI-TeV GAMMA-RAY OBSERVATION FROM THE CRAB NEBULA USING THE TIBET-III AIR SHOWER ARRAY FINELY TUNED BY THE COSMIC RAY MOON'S SHADOW. Astrophysical Journal, 2009, 692, 61-72.	4.5	46
43	Underground Prototype Water Cherenkov Muon Detector with the Tibet Air Shower Array. , 2008, , .		1
44	Search for GeV Gamma-Ray Bursts with the ARGO-YBJ Detector in Scaler Mode. , 2008, , .		0
45	Search for GRB counterparts using the ARGO-YBJ experiment in shower mode. , 2008, , .		0
46	Implication of the sidereal anisotropy of $\sim 1/45$ TeV cosmic ray intensity observed with the Tibet III air shower array. AIP Conference Proceedings, 2007, , .	0.4	14
47	Detector time offset and off-line calibration in EAS experiments. Astroparticle Physics, 2007, 27, 528-532.	4.3	23
48	Underground water Cherenkov muon detector array with the Tibet air shower array for gamma-ray astronomy in the 100 TeV region. Astrophysics and Space Science, 2007, 309, 435-439.	1.4	10
49	The ARGO-YBJ detector and high energy GRBs. Astronomy and Astrophysics, 1999, 138, 597-598.	2.1	4