Huihai He

List of Publications by Year
in descending order

49 papers	1,430 citations	430874 18 h-index	330143 37 g-index
49 all docs	49 docs citations	49 times ranked	1044 citing authors

#	Article	IF	Citations
1	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 Î³-ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262
2	First Detection of Photons with Energy beyond 100ÂTeV from an Astrophysical Source. Physical Review Letters, 2019, 123, 051101.	7.8	120
3	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
4	Petaâ€“electron volt gamma-ray emission from the Crab Nebula. Science, 2021, 373, 425-430.	12.6	86
5	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">J</mml:mi><mml:mn>0622</mml:mn><mml:mo>+</mml:mo><mml:mn>3749</mml:mn></mml:mrow></mm Observed by LHAASO-KM2A. Physical Review Letters, 2021, 126, 241103.	7.8	73
6	Observation of the Crab Nebula with LHAASO-KM2A â˜† a performance study *. Chinese Physics C, 2021, 45, 025002.	3.7	67
7	TeV GAMMA-RAY SURVEY OF THE NORTHERN SKY USING THE ARGO-YBJ DETECTOR. Astrophysical Journal, 2013, 779, 27.	4.5	64
8	Design of the LHAASO detectors. Radiation Detection Technology and Methods, 2018, 2, 1.	0.8	61
9	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
10	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
11	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
12	OBSERVATION OF THE TeV GAMMA-RAY SOURCE MGRO J1908+06 WITH ARGO-YBJ. Astrophysical Journal, 2012, 760, 110.	4.5	38
13	Probe of the Solar Magnetic Field Using the â€œCosmic-Ray Shadowâ€•of the Sun. Physical Review Letters, 2013, 111, 011101.	7.8	34
14	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
15	Discovery of the Ultrahigh-energy Gamma-Ray Source LHAASO J2108+5157. Astrophysical Journal Letters, 2021, 919, L22.	8.3	28
16	Detector time offset and off-line calibration in EAS experiments. Astroparticle Physics, 2007, 27, 528-532.	4.3	23
17	MEAN INTERPLANETARY MAGNETIC FIELD MEASUREMENT USING THE ARGO-YBJ EXPERIMENT. Astrophysical Journal, 2011, 729, 113.	4.5	23
18	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

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19	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
20	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
21	Construction and on-site performance of the LHAASO WFCTA camera. European Physical Journal C, 2021, 81, 1.	3.9	18
22	Seasonal and Lunar Month Periods Observed in Natural Neutron Flux at High Altitude. Pure and Applied Geophysics, 2017, 174, 2763-2771.	1.9	17
23	Gamma-Ray Observation of the Cygnus Region in the 100-TeV Energy Region. Physical Review Letters, 2021, 127, 031102.	7.8	16
24	Implication of the sidereal anisotropy of âˆ¼5 TeV cosmic ray intensity observed with the Tibet III air shower array. AIP Conference Proceedings, 2007, , .	0.4	14
25	EXPECTATION ON OBSERVATION OF SUPERNOVA REMNANTS WITH THE LHAASO PROJECT. Astrophysical Journal, 2016, 826, 63.	4.5	14
26	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
27	Response of the environmental thermal neutron flux to earthquakes. Journal of Environmental Radioactivity, 2019, 208-209, 105981.	1.7	11
28	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
29	Search for Gamma-Ray Emission from the Sun during Solar Minimum with the ARGO-YBJ Experiment. Astrophysical Journal, 2019, 872, 143.	4.5	9
30	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
31	Strong constraints on Lorentz violation using new Î³-ray observations around PeV *. Chinese Physics C, 2021, 45, 105105.	3.7	8
32	Measurement of muonic and electromagnetic components in cosmic ray air showers using LHAASO-KM2A prototype array. Physical Review D, 2018, 98, .	4.7	7
33	Influence of Earth-directed Coronal Mass Ejections on the Sunâ€™s Shadow Observed by the Tibet-III Air Shower Array. Astrophysical Journal, 2018, 860, 13.	4.5	7
34	Evaluation of the Interplanetary Magnetic Field Strength Using the Cosmic-Ray Shadow of the Sun. Physical Review Letters, 2018, 120, 031101.	7.8	6
35	Simulation of the cosmic ray tau neutrino telescope (CRTNT) experiment. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 075201.	3.6	5
36	Study of the trigger mode of LHAASO-KM2A. Astroparticle Physics, 2018, 103, 41-48.	4.3	5

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37	Electron and thermal neutron lateral distribution functions in EAS at high altitude. Journal of Physics: Conference Series, 2016, 718, 052038.	0.4	4
38	The ARGO-YBJ detector and high energy GRBs. Astronomy and Astrophysics, 1999, 138, 597-598.	2.1	4
39	Measurement of the Gamma-Ray Energy Spectrum beyond 100 TeV from the HESS J1843â€“033 Region. Astrophysical Journal, 2022, 932, 120.	4.5	4
40	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
41	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
42	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
43	Underground Prototype Water Cherenkov Muon Detector with the Tibet Air Shower Array. , 2008, , .		1
44	A dynamic range extension system for LHAASO WCDA-1. Radiation Detection Technology and Methods, 2021, 5, 520-530.	0.8	1
45	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
46	Search for GeV Gamma-Ray Bursts with the ARGO-YBJ Detector in Scaler Mode. , 2008, , .		0
47	Search for GRB counterparts using the ARGO-YBJ experiment in shower mode. , 2008, , .		0
48	Comparison of the Measurement and Simulation with KM2A Prototype Array. EPJ Web of Conferences, 2019, 208, 14006.	0.3	0
49	Design and Testing of the Front-End Electronics of WCDA in LHAASO. IEEE Transactions on Nuclear Science, 2021, 68, 2257-2267.	2.0	0