

Songzhan Chen

List of Publications by Year in descending order

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50
papers

1,674
citations

279798

23
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276875

41
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docs citations

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times ranked

1410
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 $\hat{1}^3$ -ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262
2	Peta-€electron volt gamma-ray emission from the Crab Nebula. Science, 2021, 373, 425-430.	12.6	86
3	IDENTIFICATION OF THE TeV GAMMA-RAY SOURCE ARGO J2031+4157 WITH THE CYGNUS COCOON. Astrophysical Journal, 2014, 790, 152.	4.5	73
4	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR $J0622+3749$ Observed by LHAASO-KM2A. Physical Review Letters, 2021, 126, 241103.	7.8	73
5	STUDY OF THE DIFFUSE GAMMA-RAY EMISSION FROM THE GALACTIC PLANE WITH ARGO-YBJ. Astrophysical Journal, 2015, 806, 20.	4.5	69
6	LONG-TERM MONITORING OF THE TeV EMISSION FROM Mrk 421 WITH THE ARGO-YBJ EXPERIMENT. Astrophysical Journal, 2011, 734, 110.	4.5	67
7	Observation of the Crab Nebula with LHAASO-KM2A a performance study *. Chinese Physics C, 2021, 45, 025002.	3.7	67
8	TeV GAMMA-RAY SURVEY OF THE NORTHERN SKY USING THE ARGO-YBJ DETECTOR. Astrophysical Journal, 2013, 779, 27.	4.5	64
9	Observation of the cosmic ray moon shadowing effect with the ARGO-YBJ experiment. Physical Review D, 2011, 84, .	4.7	63
10	Medium scale anisotropy in the TeV cosmic ray flux observed by ARGO-YBJ. Physical Review D, 2013, 88, .	4.7	57
11	Proton-air cross section measurement with the ARGO-YBJ cosmic ray experiment. Physical Review D, 2009, 80, .	4.7	56
12	OBSERVATION OF TeV GAMMA RAYS FROM THE CYGNUS REGION WITH THE ARGO-YBJ EXPERIMENT. Astrophysical Journal Letters, 2012, 745, L22.	8.3	51
13	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
14	Light-component spectrum of the primary cosmic rays in the multi-TeV region measured by the ARGO-YBJ experiment. Physical Review D, 2012, 85, .	4.7	49
15	LONG-TERM MONITORING OF MRK 501 FOR ITS VERY HIGH ENERGY $\hat{1}^3$ EMISSION AND A FLARE IN 2011 OCTOBER. Astrophysical Journal, 2012, 758, 2.	4.5	49
16	GAMMA-RAY FLARES FROM Mrk421 IN 2008 OBSERVED WITH THE ARGO-YBJ DETECTOR. Astrophysical Journal Letters, 2010, 714, L208-L212.	8.3	46
17	4.5 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF MRK 421 DURING THE ARGO-YBJ AND FERMI COMMON OPERATION TIME. Astrophysical Journal, Supplement Series, 2016, 222, 6.	7.7	46
18	OBSERVATION OF THE TeV GAMMA-RAY SOURCE MGRO J1908+06 WITH ARGO-YBJ. Astrophysical Journal, 2012, 760, 110.	4.5	38

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19	CRAB NEBULA: FIVE-YEAR OBSERVATION WITH ARGO-YBJ. <i>Astrophysical Journal</i> , 2015, 798, 119.	4.5	33
20	Energy spectrum of cosmic protons and helium nuclei by a hybrid measurement at 4300 m a.s.l.. <i>Chinese Physics C</i> , 2014, 38, 045001.	3.7	31
21	SEARCH FOR GAMMA RAY BURSTS WITH THE ARGO-YBJ DETECTOR IN SCALER MODE. <i>Astrophysical Journal</i> , 2009, 699, 1281-1287.	4.5	29
22	Discovery of the Ultrahigh-energy Gamma-Ray Source LHAASO J2108+5157. <i>Astrophysical Journal Letters</i> , 2021, 919, L22.	8.3	28
23	OBSERVATION OF TeV GAMMA RAYS FROM THE UNIDENTIFIED SOURCE HESS J1841â€“055 WITH THE ARGO-YBJ EXPERIMENT. <i>Astrophysical Journal</i> , 2013, 767, 99.	4.5	25
24	MEAN INTERPLANETARY MAGNETIC FIELD MEASUREMENT USING THE ARGO-YBJ EXPERIMENT. <i>Astrophysical Journal</i> , 2011, 729, 113.	4.5	23
25	$\frac{N_{\text{ETQq1}}}{N_{\text{Ne}}} = 1.0784314 \pm 0.0000010$	2.9	23
26	Measurement of the cosmic ray antiproton/proton flux ratio at TeV energies with the ARGO-YBJ detector. <i>Physical Review D</i> , 2012, 85, .	4.7	22
27	Galactic Cosmic-Ray Anisotropy in the Northern Hemisphere from the ARGO-YBJ Experiment during 2008â€“2012. <i>Astrophysical Journal</i> , 2018, 861, 93.	4.5	22
28	Discovery of a New Gamma-Ray Source, LHAASO J0341+5258, with Emission up to 200 TeV. <i>Astrophysical Journal Letters</i> , 2021, 917, L4.	8.3	21
29	$\frac{N_{\text{ETQq1}}}{N_{\text{Ne}}} = 1.0784314 \pm 0.0000010$	2.9	19
30	Exploring Lorentz Invariance Violation from Ultrahigh-Energy γ Rays Observed by LHAASO. <i>Physical Review Letters</i> , 2022, 128, 051102.	7.8	19
31	Construction and on-site performance of the LHAASO WFCTA camera. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	18
32	EXPECTATION ON OBSERVATION OF SUPERNOVA REMNANTS WITH THE LHAASO PROJECT. <i>Astrophysical Journal</i> , 2016, 826, 63.	4.5	14
33	Search for Gamma-Ray Bursts with the ARGO-YBJ Detector in Shower Mode. <i>Astrophysical Journal</i> , 2017, 842, 31.	4.5	12
34	Investigating the multiband non-thermal emission of the 100 TeV source eHWC J2019+368 with a pulsar wind nebula scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4901-4905.	4.4	12
35	SEARCH FOR GeV GAMMA-RAY BURSTS WITH THE ARGO-YBJ DETECTOR: SUMMARY OF EIGHT YEARS OF OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 794, 82.	4.5	11
36	Search for Gamma-Ray Emission from the Sun during Solar Minimum with the ARGO-YBJ Experiment. <i>Astrophysical Journal</i> , 2019, 872, 143.	4.5	9

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37	Morphology of Gamma-Ray Halos around Middle-aged Pulsars: Influence of the Pulsar Proper Motion. <i>Astrophysical Journal</i> , 2021, 922, 130.	4.5	9
38	Calibration of the LHAASO-KM2A electromagnetic particle detectors using charged particles within the extensive air showers. <i>Astroparticle Physics</i> , 2018, 100, 22-28.	4.3	8
39	Strong constraints on Lorentz violation using new $\hat{\Gamma}^3$ -ray observations around PeV *. <i>Chinese Physics C</i> , 2021, 45, 105105.	3.7	8
40	Study of the trigger mode of LHAASO-KM2A. <i>Astroparticle Physics</i> , 2018, 103, 41-48.	4.3	5
41	Observations of very high energy gamma-ray emission from AGNs with the ground-based EAS arrays. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 1454-1465.	5.1	3
42	A dynamic range extension system for LHAASO WCDA-1. <i>Radiation Detection Technology and Methods</i> , 2021, 5, 520-530.	0.8	1
43	The progresses and prospects of high-energy gamma-ray observations. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2015, 45, 119503-119503.	0.4	1
44	Line-of-shower trigger method to lower energy threshold for GRB detection using LHAASO-WCDA. <i>Radiation Detection Technology and Methods</i> , 2021, 5, 531.	0.8	1
45	Search for GeV Gamma-Ray Bursts with the ARGO-YBJ Detector in Scaler Mode. , 2008, , .		0
46	Search for GRB counterparts using the ARGO-YBJ experiment in shower mode. , 2008, , .		0
47	Astrophysics studies relevant to stellar x-ray bursts. , 2014, , .		0
48	Observation of the cosmic ray large-scale anisotropy with the ARGO-YBJ experiment. <i>Journal of Physics: Conference Series</i> , 2019, 1181, 012038.	0.4	0
49	Comparison of the Measurement and Simulation with KM2A Prototype Array. <i>EPJ Web of Conferences</i> , 2019, 208, 14006.	0.3	0
50	Design and Testing of the Front-End Electronics of WCDA in LHAASO. <i>IEEE Transactions on Nuclear Science</i> , 2021, 68, 2257-2267.	2.0	0