Ben-Zhong Dai

List of Publications by Year
in descending order

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43	969	567281 15	434195 31
papers	citations	h-index	g-index

43	43	43	917
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SN 2015bq: A Luminous Type Ia Supernova with Early Flux Excess. Astrophysical Journal, 2022, 924, 35.	4.5	4
2	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
3	Exploring Î³-Ray Flares in the Long-term Light Curves of CTA 102 at GeV Energies. Astrophysical Journal, Supplement Series, 2022, 260, 48.	7.7	2
4	Gaussian Process Modeling Fermi-LAT Î³-Ray Blazar Variability: A Sample of Blazars with Î³-Ray Quasi-periodicities. Astrophysical Journal, 2021, 907, 105.	4.5	16
5	Observation of the Crab Nebula with LHAASO-KM2A â˜’ a performance study *. Chinese Physics C, 2021, 45, 025002.	3.7	67
6	Dark matter annihilation into leptons through gravity portals. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
7	Kinetic powers of the relativistic jets in Mrk 421 and Mrk 501. Monthly Notices of the Royal Astronomical Society, 2021, 504, 878-887.	4.4	4
8	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 Î³-ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262
9	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></mml:m Observed by LHAASO-KM2A. Physical Review Letters, 2021, 126, 241103.	7.8	73
10	Long-term multiband correlation study and spectral energy distribution modeling of blazar 3Câ€‰454.3. Publication of the Astronomical Society of Japan, 2021, 73, 850-863.	2.5	2
11	Construction and on-site performance of the LHAASO WFCTA camera. European Physical Journal C, 2021, 81, 1.	3.9	18
12	Petaâ€“electron volt gamma-ray emission from the Crab Nebula. Science, 2021, 373, 425-430.	12.6	86
13	Design and Testing of the Front-End Electronics of WCDA in LHAASO. IEEE Transactions on Nuclear Science, 2021, 68, 2257-2267.	2.0	0
14	A dynamic range extension system for LHAASO WCDA-1. Radiation Detection Technology and Methods, 2021, 5, 520-530.	0.8	1
15	Discovery of the Ultrahigh-energy Gamma-Ray Source LHAASO J2108+5157. Astrophysical Journal Letters, 2021, 919, L22.	8.3	28
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	On the injection of relativistic electrons in the jet of 3C 279. Monthly Notices of the Royal Astronomical Society, 2020, 493, 410-426.	4.4	5
18	Observational constraints on dark matter decaying via gravity portals *. Chinese Physics C, 2020, 44, 125103.	3.7	1

#	Article	IF	Citations
19	Exploring High-energy Emission from the BL Lacertae Object S5 0716+714 with the Fermi Large Area Telescope. Astrophysical Journal, 2020, 904, 67.	4.5	7
20	Statistical analysis on X-ray flares from the nucleus and HST-1 knot in the M87 jet. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2685-2693.	4.4	6
21	Minute-scale Rapid Variability of Mrk 501 by Multi-band Photometric Monitoring from 2010 to 2017. Publications of the Astronomical Society of the Pacific, 2019, 131, 074102.	3.1	1
22	Study on Variability and Spectral Properties of Blazar 3C 273 with Long-term Multi-band Optical Monitoring from 2006 to 2015. Publications of the Astronomical Society of the Pacific, 2018, 130, 024102.	3.1	8
23	Statistical Analysis on XMM-Newton X-Ray Flares of Mrk 421: Distributions of Peak Flux and Flaring Time Duration. Astrophysical Journal, 2018, 864, 164.	4.5	16
24	Evaluation of dimension of fractal time series with the least square method. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	2
25	The properties of jet in luminous blazars under the equipartition condition. New Astronomy, 2017, 52, 82-95.	1.8	4
26	Intra-Night Variability of OJ 287 with Long-Term Multiband Optical Monitoring. Galaxies, 2017, 5, 85.	3.0	5
27	The nature of the Î³-ray flare associated with blazar 3C 454.3. Research in Astronomy and Astrophysics, 2015, 15, 1455-1466.	1.7	4
28	LONG-TERM MULTI-BAND PHOTOMETRIC MONITORING OF BLAZAR S5 0716+714. Astrophysical Journal, Supplement Series, 2015, 218, 18.	7.7	36
29	The optical variability properties of flat spectrum radio quasar 3C 454.3. New Astronomy, 2015, 36, 19-25.	1.8	5
30	Emitting electron spectra and acceleration processes in the jet of PKSÂ0447â^'439. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	15
31	TeV GAMMA-RAY SURVEY OF THE NORTHERN SKY USING THE ARGO-YBJ DETECTOR. Astrophysical Journal, 2013, 779, 27.	4.5	64
32	Intraday optical variability of the BL Lacertae object S5 0716+714. Monthly Notices of the Royal Astronomical Society, 2012, 421, 3111-3115.	4.4	14
33	The long-term color variability of the BL Lac object OQ 530. Astronomy Reports, 2011, 55, 1074-1077.	0.9	1
34	Multi-Band Spectral Properties of Fermi Blazars. Journal of Astrophysics and Astronomy, 2011, 32, 113-115.	1.0	0
35	A Research on the Characteristics of Light Variation of Blazar 3C 273 in 2â€“10keV. Chinese Astronomy and Astrophysics, 2011, 35, 10-18.	0.3	0
36	The Correlated Multi-color Optical Variations of BL Lac Object S5 0716+714. Publications of the Astronomical Society of Australia, 2010, 27, 296-301.	3.4	9

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37	The long-term optical behavior of BL Lac object S5 0716+714. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1370-1374.	5.1	4
38	The long-term multiband optical observations and colour index for the quasar 3C 273. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1181-1192.	4.4	50
39	The multi-wavelength correlations and the evolution of spectral index on the quasar 3C 273. New Astronomy, 2006, 11, 471-480.	1.8	10
40	THE LONG-TERM OPTICAL VARIABILITY PROPERTIES OF GAMMA-RAY BLAZAR 3C 273. International Journal of Modern Physics D, 2006, 15, 261-272.	2.1	5
41	The X-ray Spectral Properties for Gamma-ray Loud Blazars. Symposium - International Astronomical Union, 2003, 214, 299-302.	0.1	0
42	Photometry of three gamma-ray-loud quasars and implications for supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2002, 334, 459-470.	4.4	67
43	Rapid Optical Variability of Gamma-Rayâ€“loud Blazars. Astronomical Journal, 2001, 122, 2901-2912.	4.7	42