Rui-zhi Yang

List of Publications by Year
in descending order

29 papers	973 citations	687363 13 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	802 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	Massive stars as major factories of Galactic cosmic rays. Nature Astronomy, 2019, 3, 561-567.	10.1	166
3	Radial distribution of the diffuse<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-ray emissivity in the Galactic disk. Physical Review D, 2016, 93, .	4.7	96
4	Petaâ€“electron volt gamma-ray emission from the Crab Nebula. Science, 2021, 373, 425-430.	12.6	86
5	Observation of the Crab Nebula with LHAASO-KM2A â˜† a performance study *. Chinese Physics C, 2021, 45, 025002.	3.7	67
6	Diffuse Î³-ray emission in the vicinity of young star cluster Westerlund 2. Astronomy and Astrophysics, 2018, 611, A77.	5.1	43
7	Probing the sea of galactic cosmic rays with Fermi-LAT. Physical Review D, 2020, 101, .	4.7	28
8	Discovery of the Ultrahigh-energy Gamma-Ray Source LHAASO J2108+5157. Astrophysical Journal Letters, 2021, 919, L22.	8.3	28
9	DiffuseÎ³-ray emission near the young massive cluster NGC 3603. Astronomy and Astrophysics, 2017, 600, A107.	5.1	24
10	Diffuse Î³-ray emission toward the massive star-forming region, W40. Astronomy and Astrophysics, 2020, 639, A80.	5.1	21
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	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
13	Exploring the shape of the Î³-ray spectrum around the â€œÏ€⁰-bumpâ€• Astronomy and Astrophysics, 2018, 615, A108.	5.1	15
14	Interpretation of the excess of antiparticles within a modified paradigm of galactic cosmic rays. Physical Review D, 2019, 100, .	4.7	12
15	The diffuse gamma-ray emission toward the Galactic mini starburst W43. Astronomy and Astrophysics, 2020, 640, A60.	5.1	12
16	Energy distribution of relativistic electrons in the young supernova remnant G1.9+0.3. Astronomy and Astrophysics, 2017, 603, A7.	5.1	11
17	Diffuse Î³-ray emission from the vicinity of young massive star cluster RSGC 1. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3405-3412.	4.4	11
18	Signatures of linear Breit-Wheeler pair production in polarized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi><mml:mi>Î³</mml:mi></mml:mrow></mml:math> collisions. Physical Review D, 2022, 105, .	4.7	9

#	Article	IF	Citations
19	Probing the hadronic nature of the gamma-ray emission associated with Westerlund 2. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2731-2740.	4.4	8
20	Massive star clusters as the an alternative source population of galactic cosmic rays. Rendiconti Lincei, 2019, 30, 159-164.	2.2	6
21	Is the SNR HESS J1731-347 Colliding with Molecular Clouds?. Astrophysical Journal, 2019, 887, 47.	4.5	5
22	A radiation transfer model for the Milky Way. II The global properties and large scale structure. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	5
23	On the surface brightness radial profile of the extended Î³-ray sources. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	5
24	The GeV Emission in the Field of the Star-forming Region W30 Revisited. Astrophysical Journal, 2019, 881, 94.	4.5	4
25	Diffuse GeV emission in the field of HESS J1912+101 revisited. Astronomy and Astrophysics, 2022, 659, A83.	5.1	4
26	Gamma-ray observation towards the young massive star cluster NGCâ€‰6618 in the M17 region. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4747-4753.	4.4	3
27	A hard spectrum diffuse Î³-ray component associated with Hâ€¯II gas in the Galactic plane. Astronomy and Astrophysics, 2022, 659, A101.	5.1	2
28	Design and Testing of the Front-End Electronics of WCDA in LHAASO. IEEE Transactions on Nuclear Science, 2021, 68, 2257-2267.	2.0	0
29	LHAASO and the galactic cosmic rays. Innovation(China), 2022, , 100260.	9.1	0