Alejandro SÃ¡iz

List of Publications by Year
in descending order

53	1,230	361413 20	361022 35
papers	citations	h-index	g-index

53	53	53	1030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Preliminary analysis of neutron time-delay histograms from Changvan latitude surveys. Journal of Physics: Conference Series, 2021, 1719, 012006.	0.4	0
3	Preliminary analysis of ice Cherenkov detector operation during a latitude survey. Journal of Physics: Conference Series, 2021, 1719, 012005.	0.4	0
4	Monte-Carlo simulation of the response of bare neutron counters at the South Pole to vertical secondary particles from cosmic rays. Journal of Physics: Conference Series, 2021, 1719, 012008.	0.4	0
5	Preliminary FLUKA simulations of the Changvan Neutron Monitor. Journal of Physics: Conference Series, 2021, 1719, 012004.	0.4	0
6	Observation of the Crab Nebula with LHAASO-KM2A â˜ a performance study *. Chinese Physics C, 2021, 45, 025002.	3.7	67
7	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 Î³-ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262
8	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:n Observed by LHAASO-KM2A. Physical Review Letters, 2021, 126, 241103.	7.8	73
9	Construction and on-site performance of the LHAASO WFCTA camera. European Physical Journal C, 2021, 81, 1.	3.9	18
10	Petaâ€“electron 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	Measurement and simulation of the neutron propagation time distribution inside a neutron monitor. Astroparticle Physics, 2021, 132, 102617.	4.3	0
16	Preliminary analysis of the Changvan neutron monitor operation in latitude surveys during 2019-2020. Journal of Physics: Conference Series, 2021, 1719, 012010.	0.4	1
17	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
18	Direct Determination of a Bare Neutron Counter Yield Function. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027304.	2.4	5

#	Article	IF	Citations
19	Tracking Cosmic-Ray Spectral Variation during 2007â€“2018 Using Neutron Monitor Time-delay Measurements. Astrophysical Journal, 2020, 890, 21.	4.5	7
20	Distinct Pattern of Solar Modulation of Galactic Cosmic Rays above a High Geomagnetic Cutoff Rigidity. Astrophysical Journal, 2018, 858, 43.	4.5	8
21	Bare Neutron Counter and Neutron Monitor Response to Cosmic Rays During a 1995 Latitude Survey. Journal of Geophysical Research: Space Physics, 2018, 123, 7181-7195.	2.4	19
22	Modeling polar region atmospheric ionization induced by the giant solar storm on 20 January 2005. Journal of Geophysical Research: Space Physics, 2017, 122, 7946-7955.	2.4	4
23	MONITORING SHORT-TERM COSMIC-RAY SPECTRAL VARIATIONS USING NEUTRON MONITOR TIME-DELAY MEASUREMENTS. Astrophysical Journal, 2016, 817, 38.	4.5	28
24	Monte Carlo simulation of the neutron monitor yield function. Journal of Geophysical Research: Space Physics, 2016, 121, 7435-7448.	2.4	31
25	Dependence of the neutron monitor count rate and time delay distribution on the rigidity spectrum of primary cosmic rays. Journal of Geophysical Research: Space Physics, 2016, 121, 11,620.	2.4	28
26	Measurement and simulation of neutron monitor count rate dependence on surrounding structure. Journal of Geophysical Research: Space Physics, 2015, 120, 5253-5265.	2.4	25
27	COROTATING SOLAR WIND STRUCTURES AND RECURRENT TRAINS OF ENHANCED DIURNAL VARIATION IN GALACTIC COSMIC RAYS. Astrophysical Journal, 2014, 784, 136.	4.5	14
28	LATITUDE SURVEY INVESTIGATION OF GALACTIC COSMIC RAY SOLAR MODULATION DURING 1994-2007. Astrophysical Journal, 2014, 795, 11.	4.5	26
29	GIANT GROUND LEVEL ENHANCEMENT OF RELATIVISTIC SOLAR PROTONS ON 2005 JANUARY 20. I. SPACESHIP EARTH OBSERVATIONS. Astrophysical Journal, 2013, 771, 92.	4.5	43
30	Anisotropy Signatures of Solar Energetic Particle Transport in a Closed Interplanetary Magnetic Loop. Astrophysical Journal, 2008, 672, 650-658.	4.5	28
31	Bright and dark matter in elliptical galaxies: mass and velocity distributions from self-consistent hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2007, 376, 39-60.	4.4	27
32	The Lack of Structural and Dynamical Evolution of Elliptical Galaxies since z â€‰~â€‰1.5: Clues from Self-Consistent Hydrodynamic Simulations. Astrophysical Journal, 2006, 636, L77-L80.	4.5	20
33	Clues on regularity in the structure and kinematics of elliptical galaxies from self-consistent hydrodynamical simulations: the dynamical Fundamental Plane. Monthly Notices of the Royal Astronomical Society, 2006, 373, 503-520.	4.4	20
34	On the Estimation of Solar Energetic Particle Injection Timing from Onset Times near Earth. Astrophysical Journal, 2005, 626, 1131-1137.	4.5	56
35	Clues on the Physical Origin of the Fundamental Plane from Self-Consistent Hydrodynamical Simulations. Astrophysical Journal, 2005, 632, L57-L60.	4.5	19
36	Relativistic solar neutrons and protons on 28 October 2003. Geophysical Research Letters, 2005, 32, .	4.0	74

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37	Elliptical Galaxies at z =0 from Self-consistent Hydrodynamical Simulations: Comparison with Sloan Digital Sky Survey Structural and Kinematical Data. Astrophysical Journal, 2004, 601, L131-L134.	4.5	17
38	Elliptical Galaxies at z = 0 from Self-consistent Hydrodynamic Simulations: Clues on Age Effects in Their Stellar Populations. Astrophysical Journal, 2004, 611, L5-L8.	4.5	8
39	Clues on the Hubble sequence formation from self-consistent hydrodynamical simulations. Astrophysics and Space Science, 2003, 284, 397-400.	1.4	2
40	Early-type galaxies at low Z from self-consistent hydrodynamical simulations. Astrophysics and Space Science, 2003, 284, 411-414.	1.4	3
41	Conservation Laws in Smooth Particle Hydrodynamics: The DEVA Code. Astrophysical Journal, 2003, 597, 878-892.	4.5	31
42	Clues on the Hubble Sequence Formation from Self-Consistent Hydrodynamical Simulations. , 2003, , 103-106.		0
43	Double starbursts triggered by mergers in hierarchical clustering scenarios. Monthly Notices of the Royal Astronomical Society, 2002, 333, 327-338.	4.4	45
44	Dynamical Analysis of Disks from DEVA. Astrophysics and Space Science, 2002, 281, 309-312.	1.4	4
45	Dynamical Analysis of Disks from Deva. , 2002, , 309-312.		0
46	Disc-like objects in hierarchical hydrodynamical simulations: comparison with observations. Monthly Notices of the Royal Astronomical Society, 2001, 325, 119-132.	4.4	24
47	Formation of Galaxies in a Hierarchical Clustering Model. Astrophysics and Space Science, 2001, 276, 1079-1086.	1.4	0
48	Title is missing!. Astrophysics and Space Science, 2001, 276, 1041-1048.	1.4	0
49	Report on a Study of Galaxy Formation in SPH Simulations. Astrophysics and Space Science, 2001, 276, 1087-1095.	1.4	1
50	Comparison between Disk-Like Objects Formed in Hierarchical Hydrodynamical Simulations and Observations of Spiral Galaxies. , 2001, , 17-20.		0
51	The Stabilizing Role of Stellar Bulges in Galaxy Disk Formation. Astrophysics and Space Science, 1998, 263, 43-46.	1.4	1
52	Galaxy Disk Formation in Hierarchical Hydrodynamical Simulations. Astrophysics and Space Science, 1998, 263, 35-38.	1.4	2
53	Disk Formation in Hierarchical Hydrodynamical Simulations:A Way Out of the Angular Momentum Catastrophe. Astrophysical Journal, 1998, 508, L123-L127.	4.5	33