

# Alejandro SÃ¡iz

## List of Publications by Year in descending order

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53  
papers

1,230  
citations

361413

20  
h-index

361022

35  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1030  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 $\hat{\text{I}}^3$ -ray Galactic sources. <i>Nature</i> , 2021, 594, 33-36.	27.8	262
2	Peta-€electron volt gamma-ray emission from the Crab Nebula. <i>Science</i> , 2021, 373, 425-430.	12.6	86
3	Relativistic solar neutrons and protons on 28 October 2003. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	74
4	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR $J_{0622+3749}$ Observed by LHAASO-KM2A. <i>Physical Review Letters</i> , 2021, 126, 241103.	7.8	73
5	Observation of the Crab Nebula with LHAASO-KM2A a performance study *. <i>Chinese Physics C</i> , 2021, 45, 025002.	3.7	67
6	On the Estimation of Solar Energetic Particle Injection Timing from Onset Times near Earth. <i>Astrophysical Journal</i> , 2005, 626, 1131-1137.	4.5	56
7	Double starbursts triggered by mergers in hierarchical clustering scenarios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 333, 327-338.	4.4	45
8	GIANT GROUND LEVEL ENHANCEMENT OF RELATIVISTIC SOLAR PROTONS ON 2005 JANUARY 20. I. SPACESHIP EARTH OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 771, 92.	4.5	43
9	Disk Formation in Hierarchical Hydrodynamical Simulations: A Way Out of the Angular Momentum Catastrophe. <i>Astrophysical Journal</i> , 1998, 508, L123-L127.	4.5	33
10	Conservation Laws in Smooth Particle Hydrodynamics: The DEVA Code. <i>Astrophysical Journal</i> , 2003, 597, 878-892.	4.5	31
11	Monte Carlo simulation of the neutron monitor yield function. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7435-7448.	2.4	31
12	Anisotropy Signatures of Solar Energetic Particle Transport in a Closed Interplanetary Magnetic Loop. <i>Astrophysical Journal</i> , 2008, 672, 650-658.	4.5	28
13	MONITORING SHORT-TERM COSMIC-RAY SPECTRAL VARIATIONS USING NEUTRON MONITOR TIME-DELAY MEASUREMENTS. <i>Astrophysical Journal</i> , 2016, 817, 38.	4.5	28
14	Dependence of the neutron monitor count rate and time delay distribution on the rigidity spectrum of primary cosmic rays. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,620.	2.4	28
15	Discovery of the Ultrahigh-energy Gamma-Ray Source LHAASO J2108+5157. <i>Astrophysical Journal Letters</i> , 2021, 919, L22.	8.3	28
16	Bright and dark matter in elliptical galaxies: mass and velocity distributions from self-consistent hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 39-60.	4.4	27
17	LATITUDE SURVEY INVESTIGATION OF GALACTIC COSMIC RAY SOLAR MODULATION DURING 1994-2007. <i>Astrophysical Journal</i> , 2014, 795, 11.	4.5	26
18	Measurement and simulation of neutron monitor count rate dependence on surrounding structure. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5253-5265.	2.4	25

#	ARTICLE	IF	CITATIONS
19	Disc-like objects in hierarchical hydrodynamical simulations: comparison with observations. Monthly Notices of the Royal Astronomical Society, 2001, 325, 119-132.	4.4	24
20	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
21	The Lack of Structural and Dynamical Evolution of Elliptical Galaxies since $z \sim 1.5$ : Clues from Self-Consistent Hydrodynamic Simulations. Astrophysical Journal, 2006, 636, L77-L80.	4.5	20
22	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
23	Clues on the Physical Origin of the Fundamental Plane from Self-Consistent Hydrodynamical Simulations. Astrophysical Journal, 2005, 632, L57-L60.	4.5	19
24	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
25	Exploring Lorentz Invariance Violation from Ultrahigh-Energy $\gamma$ Rays Observed by LHAASO. Physical Review Letters, 2022, 128, 051102.	7.8	19
26	Construction and on-site performance of the LHAASO WFCTA camera. European Physical Journal C, 2021, 81, 1.	3.9	18
27	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
28	COROTATING SOLAR WIND STRUCTURES AND RECURRENT TRAINS OF ENHANCED DIURNAL VARIATION IN GALACTIC COSMIC RAYS. Astrophysical Journal, 2014, 784, 136.	4.5	14
29	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
30	Distinct Pattern of Solar Modulation of Galactic Cosmic Rays above a High Geomagnetic Cutoff Rigidity. Astrophysical Journal, 2018, 858, 43.	4.5	8
31	Tracking Cosmic-Ray Spectral Variation during 2007–2018 Using Neutron Monitor Time-delay Measurements. Astrophysical Journal, 2020, 890, 21.	4.5	7
32	Direct Determination of a Bare Neutron Counter Yield Function. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027304.	2.4	5
33	Dynamical Analysis of Disks from DEVA. Astrophysics and Space Science, 2002, 281, 309-312.	1.4	4
34	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
35	Early-type galaxies at low $Z$ from self-consistent hydrodynamical simulations. Astrophysics and Space Science, 2003, 284, 411-414.	1.4	3
36	Galaxy Disk Formation in Hierarchical Hydrodynamical Simulations. Astrophysics and Space Science, 1998, 263, 35-38.	1.4	2

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37	Clues on the Hubble sequence formation from self-consistent hydrodynamical simulations. <i>Astrophysics and Space Science</i> , 2003, 284, 397-400.	1.4	2
38	The Stabilizing Role of Stellar Bulges in Galaxy Disk Formation. <i>Astrophysics and Space Science</i> , 1998, 263, 43-46.	1.4	1
39	Report on a Study of Galaxy Formation in SPH Simulations. <i>Astrophysics and Space Science</i> , 2001, 276, 1087-1095.	1.4	1
40	A dynamic range extension system for LHAASO WCDA-1. <i>Radiation Detection Technology and Methods</i> , 2021, 5, 520-530.	0.8	1
41	Preliminary analysis of the Changvan neutron monitor operation in latitude surveys during 2019-2020. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012010.	0.4	1
42	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
43	Formation of Galaxies in a Hierarchical Clustering Model. <i>Astrophysics and Space Science</i> , 2001, 276, 1079-1086.	1.4	0
44	Title is missing!. <i>Astrophysics and Space Science</i> , 2001, 276, 1041-1048.	1.4	0
45	Preliminary analysis of neutron time-delay histograms from Changvan latitude surveys. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012006.	0.4	0
46	Preliminary analysis of ice Cherenkov detector operation during a latitude survey. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012005.	0.4	0
47	Monte-Carlo simulation of the response of bare neutron counters at the South Pole to vertical secondary particles from cosmic rays. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012008.	0.4	0
48	Preliminary FLUKA simulations of the Changvan Neutron Monitor. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012004.	0.4	0
49	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
50	Measurement and simulation of the neutron propagation time distribution inside a neutron monitor. <i>Astroparticle Physics</i> , 2021, 132, 102617.	4.3	0
51	Comparison between Disk-Like Objects Formed in Hierarchical Hydrodynamical Simulations and Observations of Spiral Galaxies. , 2001, , 17-20.		0
52	Dynamical Analysis of Disks from Deva. , 2002, , 309-312.		0
53	Clues on the Hubble Sequence Formation from Self-Consistent Hydrodynamical Simulations. , 2003, , 103-106.		0