

Eduardo de la Fuente

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,456
citations

236925

25
h-index

197818

49
g-index

72
all docs

72
docs citations

72
times ranked

2536
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. <i>Science</i> , 2017, 358, 911-914.	12.6	303
2	The 2HWC HAWC Observatory Gamma-Ray Catalog. <i>Astrophysical Journal</i> , 2017, 843, 40.	4.5	200
3	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2017, 843, 39.	4.5	159
4	Sensitivity of the high altitude water Cherenkov detector to sources of multi-TeV gamma rays. <i>Astroparticle Physics</i> , 2013, 50-52, 26-32.	4.3	156
5	Multiple Galactic Sources with Emission Above 56 TeV Detected by HAWC. <i>Physical Review Letters</i> , 2020, 124, 021102.	7.8	143
6	The Astrobiology Primer v2.0. <i>Astrobiology</i> , 2016, 16, 561-653.	3.0	133
7	On the sensitivity of the HAWC observatory to gamma-ray bursts. <i>Astroparticle Physics</i> , 2012, 35, 641-650.	4.3	100
8	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. <i>Astrophysical Journal</i> , 2020, 905, 76.	4.5	99
9	Measurement of the Crab Nebula Spectrum Past 100 TeV with HAWC. <i>Astrophysical Journal</i> , 2019, 881, 134.	4.5	98
10	SPECTRAL OPTICAL MONITORING OF THE NARROW-LINE SEYFERT 1 GALAXY Ark 564. <i>Astrophysical Journal</i> , Supplement Series, 2012, 202, 10.	7.7	73
11	OBSERVATION OF SMALL-SCALE ANISOTROPY IN THE ARRIVAL DIRECTION DISTRIBUTION OF TeV COSMIC RAYS WITH HAWC. <i>Astrophysical Journal</i> , 2014, 796, 108.	4.5	71
12	Dark Matter Limits from Dwarf Spheroidal Galaxies with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2018, 853, 154.	4.5	69
13	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. <i>Nature Astronomy</i> , 2021, 5, 465-471.	10.1	62
14	All-particle cosmic ray energy spectrum measured by the HAWC experiment from 10 to 500 TeV. <i>Physical Review D</i> , 2017, 96, .	4.7	56
15	THE FIRST FERMI MULTIFREQUENCY CAMPAIGN ON BL LACERTAE: CHARACTERIZING THE LOW-ACTIVITY STATE OF THE EPONYMOUS BLAZAR. <i>Astrophysical Journal</i> , 2011, 730, 101.	4.5	52
16	HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. <i>Astrophysical Journal Letters</i> , 2020, 896, L29.	8.3	48
17	Spectral optical monitoring of 3C 390.3 in 1995–2007. <i>Astronomy and Astrophysics</i> , 2010, 517, A42.	5.1	43
18	Daily Monitoring of TeV Gamma-Ray Emission from Mrk 421, Mrk 501, and the Crab Nebula with HAWC. <i>Astrophysical Journal</i> , 2017, 841, 100.	4.5	39

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19	Sensitivity of HAWC to high-mass dark matter annihilations. <i>Physical Review D</i> , 2014, 90, .	4.7	38
20	A search for dark matter in the Galactic halo with HAWC. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 049-049.	5.4	36
21	Evidence of 200 TeV Photons from HAWC J1825-134. <i>Astrophysical Journal Letters</i> , 2021, 907, L30.	8.3	34
22	SEARCH FOR TeV GAMMA-RAY EMISSION FROM POINT-LIKE SOURCES IN THE INNER GALACTIC PLANE WITH A PARTIAL CONFIGURATION OF THE HAWC OBSERVATORY. <i>Astrophysical Journal</i> , 2016, 817, 3.	4.5	33
23	Evidence that Ultra-high-energy Gamma Rays Are a Universal Feature near Powerful Pulsars. <i>Astrophysical Journal Letters</i> , 2021, 911, L27.	8.3	32
24	SEARCH FOR GAMMA-RAYS FROM THE UNUSUALLY BRIGHT GRB 130427A WITH THE HAWC GAMMA-RAY OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 800, 78.	4.5	30
25	Search for Very High-energy Gamma Rays from the Northern Fermi Bubble Region with HAWC. <i>Astrophysical Journal</i> , 2017, 842, 85.	4.5	28
26	U Geminorum: A Test Case for Orbital Parameter Determination. <i>Astronomical Journal</i> , 2007, 134, 262-273.	4.7	26
27	Milagro limits and HAWC sensitivity for the rate-density of evaporating Primordial Black Holes. <i>Astroparticle Physics</i> , 2015, 64, 4-12.	4.3	24
28	Framework for Estimating Travel Time, Distance, Speed, and Street Segment Level of Service (LOS), based on GPS Data. <i>Procedia Technology</i> , 2013, 7, 61-70.	1.1	19
29	Kinematic study at the H α line in the north-eastern region of the Galactic supernova remnant IC443. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 51-54.	4.4	16
30	The HAWC Real-time Flare Monitor for Rapid Detection of Transient Events. <i>Astrophysical Journal</i> , 2017, 843, 116.	4.5	16
31	Data acquisition architecture and online processing system for the HAWC gamma-ray observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 888, 138-146.	1.6	16
32	TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.. <i>Astrophysical Journal</i> , 2021, 917, 6.	4.5	15
33	Revisiting 2D numerical models for the 19th century outbursts of $\hat{\iota}$ Carinae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1141-1148.	4.4	14
34	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. <i>Astrophysical Journal</i> , 2021, 911, 143.	4.5	14
35	A Survey of Active Galaxies at TeV Photon Energies with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2021, 907, 67.	4.5	13
36	Kinematics of Herbig-Haro Objects and Jets in the Orion Nebula. <i>Astronomical Journal</i> , 2001, 122, 1928-1937.	4.7	13

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37	Search for Very-high-energy Emission from Gamma-Ray Bursts Using the First 18 Months of Data from the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2017, 843, 88.	4.5	12
38	A CCD Photometric and Morphological Study of the Extended Halo and Filaments of ESO 383â€45: A Galaxy Undergoing Ram Pressure Stripping, or a Tidal Merger Remnant?. <i>Astrophysical Journal</i> , 2005, 624, 680-692.	4.5	11
39	VAMOS: A pathfinder for the HAWC gamma-ray observatory. <i>Astroparticle Physics</i> , 2015, 62, 125-133.	4.3	11
40	Simulated X-ray emission from a single-explosion model for a supernova remnant 3C 400.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 369-374.	4.4	10
41	Ultracompact H– regions with extended emission: the complete view. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 895-914.	4.4	10
42	Probing the Sea of Cosmic Rays by Measuring Gamma-Ray Emission from Passive Giant Molecular Clouds with HAWC. <i>Astrophysical Journal</i> , 2021, 914, 106.	4.5	9
43	Detectability of southern gamma-ray sources beyond 100 TeV with ALPAQUITA, the prototype experiment of ALPACA. <i>Experimental Astronomy</i> , 2021, 52, 85-107.	3.7	9
44	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	4.5	9
45	Long-term Spectra of the Blazars Mrk 421 and Mrk 501 at TeV Energies Seen by HAWC. <i>Astrophysical Journal</i> , 2022, 929, 125.	4.5	8
46	Fair Weather Neutron Bursts From Photonuclear Reactions by Extensive Air Shower Core Interactions in the Ground and Implications for Terrestrial Gamma-ray Flash Signatures. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090033.	4.0	7
47	Decreasing Density Gradients in Circumnuclear HiiRegions of Barred Galaxies NGC 1022, NGC 1326, and NGC 4314. <i>Astrophysical Journal</i> , 2000, 544, 277-282.	4.5	7
48	The quantity of dark matter in early-type galaxies and its relation to the environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1320-1331.	4.4	5
49	Ultracompact H–ii regions with extended emission: the case of G43.89–0.78 and its molecular environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4436-4447.	4.4	4
50	Gamma/hadron separation with the HAWC observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1039, 166984.	1.6	3
51	The unusual interacting pair of galaxies IC 3481 and IC 3481A: An optical-NIR photometric and spectroscopic analysis. <i>New Astronomy</i> , 2009, 14, 556-566.	1.8	2
52	Shearing interferometer with adjustable optical path difference for exoplanet detection. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
53	HAWC as a Ground-Based Space-Weather Observatory. <i>Solar Physics</i> , 2021, 296, 1.	2.5	2
54	The High Altitude Water –erenkov (HAWC) TeV Gamma Ray Observatory. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2013, , 439-446.	0.3	2

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55	<i>BVR</i> photometric analysis for the galaxy group NGC 4410. <i>Astronomy and Astrophysics</i> , 2008, 485, 435-449.	5.1	2
56	Interplanetary Magnetic Flux Rope Observed at Ground Level by HAWC. <i>Astrophysical Journal</i> , 2020, 905, 73.	4.5	2
57	Proper motions of water masers in the star-forming region IRAS 23139+5939. <i>Publication of the Astronomical Society of Japan</i> , 0, , .	2.5	2
58	Characterization of the background for a neutrino search with the HAWC observatory. <i>Astroparticle Physics</i> , 2022, 137, 102670.	4.3	2
59	Full-Sky Analysis of Cosmic-Ray Anisotropy with IceCube and HAWC. , 2016, , .		1
60	Pressure and density gradients in H II Regions. <i>Astrophysics and Space Science</i> , 2001, 277, 71-74.	1.4	0
61	Lenticular galaxies in the process of evolution. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 135-136.	0.0	0
62	The Hot Molecular Core of G12.21+0.10: NH ₃ (4, 4) Observations. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 319-320.	0.0	0
63	Optical characterization of the 62-cm telescope at the Severo Díaz Galindo Observatory in Guadalajara. , 2009, , .		0
64	Optics and the mechanical system of the 62-cm telescope at the Severo Díaz Galindo Observatory in Guadalajara, Jalisco, México. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
65	PMS and ZAMS stars associated with the dark cloud LDN 1655. <i>New Astronomy</i> , 2013, 18, 42-49.	1.8	0
66	An efficient computational phase extraction from arbitrary phase-shifted fringes patterns. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
67	Deep Optical Imaging of ESO 383+45: A Galaxy Undergoing Ram-pressure Stripping, or a Tidal Merger Remnant?. <i>Globular Clusters - Guides To Galaxies</i> , 2007, , 139-143.	0.1	0
68	The Extended Emission of Ultracompact HII Regions: An Overview and New Observations. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2009, , 1-8.	0.3	0
69	Cosmic Ray Astrophysics using The High Altitude Water Cherenkov (HAWC) Observatory in México. <i>EPJ Web of Conferences</i> , 2017, 145, 02002.	0.3	0
70	Probing the Extragalactic Mid-infrared Background with HAWC. <i>Astrophysical Journal</i> , 2022, 933, 223.	4.5	0