

# Eduardo de la Fuente

## List of Publications by Year in descending order

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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	Characterization of the background for a neutrino search with the HAWC observatory. <i>Astroparticle Physics</i> , 2022, 137, 102670.	4.3	2
2	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
3	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
4	Probing the Extragalactic Mid-infrared Background with HAWC. <i>Astrophysical Journal</i> , 2022, 933, 223.	4.5	0
5	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
6	Evidence of 200 TeV Photons from HAWC J1825-134. <i>Astrophysical Journal Letters</i> , 2021, 907, L30.	8.3	34
7	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
8	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
9	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. <i>Astrophysical Journal</i> , 2021, 911, 143.	4.5	14
10	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
11	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
12	HAWC as a Ground-Based Space-Weather Observatory. <i>Solar Physics</i> , 2021, 296, 1.	2.5	2
13	TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.. <i>Astrophysical Journal</i> , 2021, 917, 6.	4.5	15
14	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
15	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	4.5	9
16	Ultracompact H <sub>2</sub> 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
17	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
18	Multiple Galactic Sources with Emission Above 56 TeV Detected by HAWC. <i>Physical Review Letters</i> , 2020, 124, 021102.	7.8	143

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19	Ultracompact $\gamma$ regions with extended emission: the complete view. Monthly Notices of the Royal Astronomical Society, 2020, 492, 895-914.	4.4	10
20	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. Astrophysical Journal, 2020, 905, 76.	4.5	99
21	Interplanetary Magnetic Flux Rope Observed at Ground Level by HAWC. Astrophysical Journal, 2020, 905, 73.	4.5	2
22	The quantity of dark matter in early-type galaxies and its relation to the environment. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1320-1331.	4.4	5
23	Measurement of the Crab Nebula Spectrum Past 100 TeV with HAWC. Astrophysical Journal, 2019, 881, 134.	4.5	98
24	A search for dark matter in the Galactic halo with HAWC. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 049-049.	5.4	36
25	Data acquisition architecture and online processing system for the HAWC gamma-ray observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 888, 138-146.	1.6	16
26	Dark Matter Limits from Dwarf Spheroidal Galaxies with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2018, 853, 154.	4.5	69
27	Search for Very High-energy Gamma Rays from the Northern Fermi Bubble Region with HAWC. Astrophysical Journal, 2017, 842, 85.	4.5	28
28	Daily Monitoring of TeV Gamma-Ray Emission from Mrk 421, Mrk 501, and the Crab Nebula with HAWC. Astrophysical Journal, 2017, 841, 100.	4.5	39
29	Kinematic study at the $\gamma$ line in the north-eastern region of the Galactic supernova remnant IC 443. Monthly Notices of the Royal Astronomical Society, 2017, 472, 51-54.	4.4	16
30	The HAWC Real-time Flare Monitor for Rapid Detection of Transient Events. Astrophysical Journal, 2017, 843, 116.	4.5	16
31	All-particle cosmic ray energy spectrum measured by the HAWC experiment from 10 to 500 TeV. Physical Review D, 2017, 96, .	4.7	56
32	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. Science, 2017, 358, 911-914.	12.6	303
33	Search for Very-high-energy Emission from Gamma-Ray Bursts Using the First 18 Months of Data from the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2017, 843, 88.	4.5	12
34	The 2HWC HAWC Observatory Gamma-Ray Catalog. Astrophysical Journal, 2017, 843, 40.	4.5	200
35	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2017, 843, 39.	4.5	159
36	Cosmic Ray Astrophysics using The High Altitude Water Cherenkov (HAWC) Observatory in Mexico. EPJ Web of Conferences, 2017, 145, 02002.	0.3	0

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37	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
38	The Astrobiology Primer v2.0. <i>Astrobiology</i> , 2016, 16, 561-653.	3.0	133
39	Shearing interferometer with adjustable optical path difference for exoplanet detection. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
40	An efficient computational phase extraction from arbitrary phase-shifted fringes patterns. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
41	Full-Sky Analysis of Cosmic-Ray Anisotropy with IceCube and HAWC. , 2016, , .		1
42	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
43	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
44	VAMOS: A pathfinder for the HAWC gamma-ray observatory. <i>Astroparticle Physics</i> , 2015, 62, 125-133.	4.3	11
45	Sensitivity of HAWC to high-mass dark matter annihilations. <i>Physical Review D</i> , 2014, 90, .	4.7	38
46	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
47	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
48	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
49	PMS and ZAMS stars associated with the dark cloud LDN 1655. <i>New Astronomy</i> , 2013, 18, 42-49.	1.8	0
50	The High Altitude Water Cherenkov (HAWC) TeV Gamma Ray Observatory. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2013, , 439-446.	0.3	2
51	SPECTRAL OPTICAL MONITORING OF THE NARROW-LINE SEYFERT 1 GALAXY Ark 564. <i>Astrophysical Journal, Supplement Series</i> , 2012, 202, 10.	7.7	73
52	Optics and the mechanical system of the 62-cm telescope at the Severo D�az Galindo Observatory in Guadalajara, Jalisco, M�xico. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
53	On the sensitivity of the HAWC observatory to gamma-ray bursts. <i>Astroparticle Physics</i> , 2012, 35, 641-650.	4.3	100
54	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

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55	Revisiting 2D numerical models for the 19th century outbursts of $\hat{\nu}$ Carinae. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1141-1148.	4.4	14
56	Spectral optical monitoring of 3C 390.3 in 1995–2007. Astronomy and Astrophysics, 2010, 517, A42.	5.1	43
57	The unusual interacting pair of galaxies IC 3481 and IC 3481A: An optical-NIR photometric and spectroscopic analysis. New Astronomy, 2009, 14, 556-566.	1.8	2
58	The Hot Molecular Core of G12.21–0.10: NH <sub>3</sub> (4, 4) Observations. Proceedings of the International Astronomical Union, 2009, 5, 319-320.	0.0	0
59	Optical characterization of the 62-cm telescope at the Severo Diaz Galindo Observatory in Guadalajara. , 2009, , .		0
60	The Extended Emission of Ultracompact HII Regions: An Overview and New Observations. Thirty Years of Astronomical Discovery With UKIRT, 2009, , 1-8.	0.3	0
61	<i>BVR</i> photometric analysis for the galaxy group NGC 4410. Astronomy and Astrophysics, 2008, 485, 435-449.	5.1	2
62	U Geminorum: A Test Case for Orbital Parameter Determination. Astronomical Journal, 2007, 134, 262-273.	4.7	26
63	Lenticular galaxies in the process of evolution. Proceedings of the International Astronomical Union, 2007, 3, 135-136.	0.0	0
64	Deep Optical Imaging of ESO 383–45: A Galaxy Undergoing Ram-pressure Stripping, or a Tidal Merger Remnant?. Globular Clusters - Guides To Galaxies, 2007, , 139-143.	0.1	0
65	Simulated X-ray emission from a single-explosion model for a supernova remnant 3C 400.2. Monthly Notices of the Royal Astronomical Society, 2006, 371, 369-374.	4.4	10
66	A CCD Photometric and Morphological Study of the Extended Halo and Filaments of ESO 383–45: A Galaxy Undergoing Ram Pressure Stripping, or a Tidal Merger Remnant?. Astrophysical Journal, 2005, 624, 680-692.	4.5	11
67	Pressure and density gradients in H II Regions. Astrophysics and Space Science, 2001, 277, 71-74.	1.4	0
68	Kinematics of Herbig-Haro Objects and Jets in the Orion Nebula. Astronomical Journal, 2001, 122, 1928-1937.	4.7	13
69	Decreasing Density Gradients in Circumnuclear HII Regions of Barred Galaxies NGC 1022, NGC 1326, and NGC 4314. Astrophysical Journal, 2000, 544, 277-282.	4.5	7
70	Proper motions of water masers in the star-forming region IRAS 23139+5939. Publication of the Astronomical Society of Japan, 0, , .	2.5	2