Pedro Miranda-Romagnoli

List of Publications by Year
in descending order

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55 papers	2,873 citations	236925 25 h-index	168389 53 g-index
57 all docs	57 docs citations	57 times ranked	2672 citing authors

#	Article	IF	Citations
1	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. Astrophysical Journal, 2022, 928, 116.	4.5	6
2	Long-term Spectra of the Blazars Mrk 421 and Mrk 501 at TeV Energies Seen by HAWC. Astrophysical Journal, 2022, 929, 125.	4.5	8
3	Gamma/hadron separation with the HAWC observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 166984.	1.6	3
4	Implicaciones de una textura de dos ceros en las matrices de masa de los quarks. PÃ„DI BoletÃn CientÃfico De Ciencias BÃ¡sicas E IngenierÃas Del ICBI, 2022, 10, 113-119.	0.0	0
5	Probing the Extragalactic Mid-infrared Background with HAWC. Astrophysical Journal, 2022, 933, 223.	4.5	0
6	A Survey of Active Galaxies at TeV Photon Energies with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2021, 907, 67.	4.5	13
7	Evidence of 200 TeV Photons from HAWC J1825-134. Astrophysical Journal Letters, 2021, 907, L30.	8.3	34
8	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. Nature Astronomy, 2021, 5, 465-471.	10.1	62
9	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. Astrophysical Journal, 2021, 911, 143.	4.5	14
10	Evidence that Ultra-high-energy Gamma Rays Are a Universal Feature near Powerful Pulsars. Astrophysical Journal Letters, 2021, 911, L27.	8.3	32
11	HAWC Search for High-mass Microquasars. Astrophysical Journal Letters, 2021, 912, L4.	8.3	3
12	Probing the Sea of Cosmic Rays by Measuring Gamma-Ray Emission from Passive Giant Molecular Clouds with HAWC. Astrophysical Journal, 2021, 914, 106.	4.5	9
13	HAWC as a Ground-Based Space-Weather Observatory. Solar Physics, 2021, 296, 1.	2.5	2
14	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. Astrophysical Journal, 2021, 906, 63.	4.5	9
15	Constraining the local burst rate density of primordial black holes with HAWC. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 026-026.	5.4	16
16	HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. Astrophysical Journal Letters, 2020, 896, L29.	8.3	48
17	Constraints on Lorentz Invariance Violation from HAWC Observations of Gamma Rays above 100ÂTeV. Physical Review Letters, 2020, 124, 131101.	7.8	40
18	Search for gamma-ray spectral lines from dark matter annihilation in dwarf galaxies with the High-Altitude Water Cherenkov observatory. Physical Review D, 2020, 101, .	4.7	18

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19	Multiple Galactic Sources with Emission Above 56ÂTeV Detected by HAWC. Physical Review Letters, 2020, 124, 021102.	7.8	143
20	Constraints on the Emission of Gamma-Rays from M31 with HAWC. Astrophysical Journal, 2020, 893, 16.	4.5	1
21	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. Astrophysical Journal, 2020, 905, 76.	4.5	99
22	Interplanetary Magnetic Flux Rope Observed at Ground Level by HAWC. Astrophysical Journal, 2020, 905, 73.	4.5	2
23	HAWC and Fermi-LAT Detection of Extended Emission from the Unidentified Source 2HWC J2006+341. Astrophysical Journal Letters, 2020, 903, L14.	8.3	5
24	Searching for dark matter sub-structure with HAWC. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 022-022.	5.4	9
25	Measurement of the Crab Nebula Spectrum Past 100 TeV with HAWC. Astrophysical Journal, 2019, 881, 134.	4.5	98
26	MAGIC andFermi-LAT gamma-ray results on unassociated HAWC sources. Monthly Notices of the Royal Astronomical Society, 2019, 485, 356-366.	4.4	7
27	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. Astrophysical Journal, 2019, 871, 96.	4.5	32
28	A search for dark matter in the Galactic halo with HAWC. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 049-049.	5.4	36
29	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
30	Dark Matter Limits from Dwarf Spheroidal Galaxies with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2018, 853, 154.	4.5	69
31	Constraints on spin-dependent dark matter scattering with long-lived mediators from TeV observations of the Sun with HAWC. Physical Review D, 2018, 98, .	4.7	37
32	First HAWC observations of the Sun constrain steady TeV gamma-ray emission. Physical Review D, 2018, 98, .	4.7	19
33	VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog. Astrophysical Journal, 2018, 866, 24.	4.5	21
34	Observation of Anisotropy of TeV Cosmic Rays with Two Years of HAWC. Astrophysical Journal, 2018, 865, 57.	4.5	25
35	Very-high-energy particle acceleration powered by the jets of the microquasar SS 433. Nature, 2018, 562, 82-85.	27.8	75
36	Constraining the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mo stretchy="false">/</mml:mo><mml:mi>p</mml:mi></mml:math> ratio in TeV cosmic rays with observations of the Moon shadow by HAWC. Physical Review D, 2018, 97, .	4.7	9

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37	Search for dark matter gamma-ray emission from the Andromeda Galaxy with the High-Altitude Water Cherenkov Observatory. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 043-043.	5.4	11
38	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
39	Search for Very High-energy Gamma Rays from the Northern Fermi Bubble Region with HAWC. Astrophysical Journal, 2017, 842, 85.	4.5	28
40	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
41	The HAWC Real-time Flare Monitor for Rapid Detection of Transient Events. Astrophysical Journal, 2017, 843, 116.	4.5	16
42	All-particle cosmic ray energy spectrum measured by the HAWC experiment from 10 to 500ÂTeV. Physical Review D, 2017, 96, .	4.7	56
43	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. Science, 2017, 358, 911-914.	12.6	303
44	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
45	The 2HWC HAWC Observatory Gamma-Ray Catalog. Astrophysical Journal, 2017, 843, 40.	4.5	200
46	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2017, 843, 39.	4.5	159
47	SEARCH FOR TeV GAMMA-RAY EMISSION FROM POINT-LIKE SOURCES IN THE INNER GALACTIC PLANE WITH A PARTIAL CONFIGURATION OF THE HAWC OBSERVATORY. Astrophysical Journal, 2016, 817, 3.	4.5	33
48	Dynamical pattern formation in a low-concentration magnetorheological fluid under two orthogonal sinusoidal fields. Journal of Magnetism and Magnetic Materials, 2016, 408, 321-329.	2.3	7
49	SEARCH FOR GAMMA-RAYS FROM THE UNUSUALLY BRIGHT GRB 130427A WITH THE HAWC GAMMA-RAY OBSERVATORY. Astrophysical Journal, 2015, 800, 78.	4.5	30
50	Milagro limits and HAWC sensitivity for the rate-density of evaporating Primordial Black Holes. Astroparticle Physics, 2015, 64, 4-12.	4.3	24
51	VAMOS: A pathfinder for the HAWC gamma-ray observatory. Astroparticle Physics, 2015, 62, 125-133.	4.3	11
52	Sensitivity of HAWC to high-mass dark matter annihilations. Physical Review D, 2014, 90, .	4.7	38
53	OBSERVATION OF SMALL-SCALE ANISOTROPY IN THE ARRIVAL DIRECTION DISTRIBUTION OF TeV COSMIC RAYS WITH HAWC. Astrophysical Journal, 2014, 796, 108.	4.5	71
54	Sensitivity of the high altitude water Cherenkov detector to sources of multi-TeV gamma rays. Astroparticle Physics, 2013, 50-52, 26-32.	4.3	156

#	Article	IF	Citations
55	A Neuro Fuzzy Solution in the Design of Analog Circuits. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 434-439.	0.3	0