

Patricia Sanchez-Lucas

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,108
citations

201674

27
h-index

206112

48
g-index

52
all docs

52
docs citations

52
times ranked

9253
citing authors

#	ARTICLE	IF	CITATIONS
19	Reconstruction of inclined air showers detected with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	5.4	49
20	LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80°. Astrophysical Journal, 2015, 802, 111.	4.5	49
21	Search for photons with energies above 10^{18} eV using the hybrid detector of the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 009-009.	5.4	49
22	Ultrahigh-energy neutrino follow-up of gravitational wave events GW150914 and GW151226 with the Pierre Auger Observatory. Physical Review D, 2016, 94, .	4.7	38
23	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. Journal of Instrumentation, 2016, 11, P02012-P02012.	1.2	38
24	Sensitivity of the DARWIN observatory to the neutrinoless double beta decay of ^{136}Xe . European Physical Journal C, 2020, 80, 1.	3.9	38
25	Search for correlations between the arrival directions of IceCube neutrino events and ultrahigh-energy cosmic rays detected by the Pierre Auger Observatory and the Telescope Array. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 037-037.	5.4	31
26	Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 026-026.	5.4	30
27	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. Astrophysical Journal, 2014, 789, 160.	4.5	29
28	Solar neutrino detection sensitivity in DARWIN via electron scattering. European Physical Journal C, 2020, 80, 1.	3.9	26
29	Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory. Physical Review D, 2016, 93, .	4.7	21
30	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 837, L25.	8.3	21
31	Calibration of the logarithmic-periodic dipole antenna (LPDA) radio stations at the Pierre Auger Observatory using an octocopter. Journal of Instrumentation, 2017, 12, T10005-T10005.	1.2	21
32	Measurement of the cosmic ray spectrum above 4×10^{18} eV using inclined events detected with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 049-049.	5.4	20
33	Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers. Journal of Instrumentation, 2016, 11, P01018-P01018.	1.2	20
34	Deep learning techniques applied to the physics of extensive air showers. Astroparticle Physics, 2019, 111, 12-22.	4.3	17
35	Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory. Journal of Instrumentation, 2017, 12, P03002-P03002.	1.2	16
36	Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory. Physical Review D, 2016, 94, .	4.7	15

#	ARTICLE	IF	CITATIONS
37	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal Letters</i> , 2014, 789, L34.	8.3	14
38	Multi-resolution anisotropy studies of ultrahigh-energy cosmic rays detected at the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 026-026.	5.4	14
39	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. <i>European Physical Journal C</i> , 2015, 75, 269.	3.9	12
40	The first dual-phase xenon TPC equipped with silicon photomultipliers and characterisation with ^{37}Ar . <i>European Physical Journal C</i> , 2020, 80, 477.	3.9	12
41	A measurement of the mean electronic excitation energy of liquid xenon. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	9
42	Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2017, 12, P02006-P02006.	1.2	8
43	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2017, 95, 44-56.	4.3	7
44	Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. <i>Atmospheric Research</i> , 2014, 149, 120-135.	4.1	6
45	Contamination of dark matter experiments from atmospheric magnetic dipoles. <i>Physical Review D</i> , 2013, 88, .	4.7	4
46	The Pierre Auger Observatory status and latest results. <i>EPJ Web of Conferences</i> , 2017, 136, 02017.	0.3	2
47	X_{max} measurements and tests of hadronic models using the surface detector of the Pierre Auger Observatory. , 2017, , .		2
48	The Pierre Auger Observatory Upgrade. <i>EPJ Web of Conferences</i> , 2017, 136, 02003.	0.3	0
49	Exploiting the radio signal from air showers: the AERA progress. <i>EPJ Web of Conferences</i> , 2017, 136, 02013.	0.3	0
50	Astrophysical interpretation of Pierre Auger Observatory measurements of the UHECR energy spectrum and mass composition. <i>EPJ Web of Conferences</i> , 2017, 136, 02002.	0.3	0