

Germán Ros

List of Publications by Year in descending order

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54
papers

5,010
citations

147726

31
h-index

155592

55
g-index

56
all docs

56
docs citations

56
times ranked

2400
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. <i>Science</i> , 2007, 318, 938-943.	6.0	647
2	Observation of the Suppression of the Flux of Cosmic Rays above 4×10^{19} eV. <i>Physical Review Letters</i> , 2008, 101, 061101.	2.9	500
3	Measurement of the Depth of Maximum of Extensive Air Showers above 10^{18} eV. <i>Physical Review Letters</i> , 2010, 104, 091101.	2.9	429
4	Measurement of the energy spectrum of cosmic rays above 1018 eV using the Pierre Auger Observatory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 685, 239-246.	1.5	357
5	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. <i>Astroparticle Physics</i> , 2008, 29, 188-204.	1.9	305
6	The fluorescence detector of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 620, 227-251.	0.7	275
7	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. <i>Astroparticle Physics</i> , 2010, 34, 314-326.	1.9	270
8	Measurement of the Proton-Air Cross Section at 57×10^{19} eV using the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2012, 109, 062002.	2.9	212
9	Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2008, 29, 243-256.	1.9	161
10	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 613, 29-39.	0.7	151
11	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2008, 100, 211101.	2.9	141
12	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2009, 31, 399-406.	1.9	117
13	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. <i>Physical Review D</i> , 2009, 79, .	1.6	99
14	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P10011-P10011.	0.5	95
15	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2007, 27, 155-168.	1.9	90
16	Probing the radio emission from air showers with polarization measurements. <i>Physical Review D</i> , 2014, 89, .	1.6	85
17	A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2010, 33, 108-129.	1.9	84
18	Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 627-639.	1.9	73

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19	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. <i>Physical Review D</i> , 2014, 90, .	1.6	69
20	CONSTRAINTS ON THE ORIGIN OF COSMIC RAYS ABOVE 10^{18} eV FROM LARGE-SCALE ANISOTROPY SEARCHES IN DATA OF THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal Letters</i> , 2013, 762, L13.	3.0	67
21	Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). <i>Astroparticle Physics</i> , 2012, 35, 591-607.	1.9	66
22	SEARCH FOR POINT-LIKE SOURCES OF ULTRA-HIGH ENERGY NEUTRINOS AT THE PIERRE AUGER OBSERVATORY AND IMPROVED LIMIT ON THE DIFFUSE FLUX OF TAU NEUTRINOS. <i>Astrophysical Journal Letters</i> , 2012, 755, L4.	3.0	55
23	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 368-381.	1.9	54
24	Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 635, 92-102.	0.7	52
25	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. <i>Astroparticle Physics</i> , 2007, 27, 244-253.	1.9	51
26	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. <i>Physical Review D</i> , 2011, 84, .	1.6	51
27	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10^{18} eV AT THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 34.	3.0	44
28	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. <i>Astroparticle Physics</i> , 2009, 32, 89-99.	1.9	43
29	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-18.	0.5	39
30	Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 009-009.	1.9	34
31	Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2012, 35, 354-361.	1.9	32
32	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , 2014, 789, 160.	1.6	29
33	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , 2012, 760, 148.	1.6	27
34	Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 026-026.	1.9	27
35	The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 022-022.	1.9	24
36	A new composition-sensitive parameter for ultra-high energy cosmic rays. <i>Astroparticle Physics</i> , 2011, 35, 140-151.	1.9	18

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37	The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray showers detected by the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 35, 266-276.	1.9	16
38	Effect on the journal impact factor of the number and document type of citing records: a wide-scale study. <i>Scientometrics</i> , 2011, 87, 75-84.	1.6	16
39	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal Letters</i> , 2014, 789, L34.	3.0	14
40	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.	1.4	12
41	Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 022-022.	1.9	9
42	Improving photon-hadron discrimination based on cosmic ray surface detector data. <i>Astroparticle Physics</i> , 2013, 47, 10-17.	1.9	9
43	Publisher's Note: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory [Phys. Rev. D84, 122005 (2011)]. <i>Physical Review D</i> , 2012, 85, .	1.6	8
44	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. <i>Astroparticle Physics</i> , 2013, 50-52, 92-101.	1.9	8
45	Transdisciplinary integration and its implementation in primary education through two STEAM projects (<i>La integraci3n transdisciplinar y su aplicaci3n en Educaci3n Primaria a trav3s de dos) Tj ETQq1 1 0.7843147gBT /O		
46	A technique for the optical characterization of imaging air-Cherenkov telescopes. <i>Astroparticle Physics</i> , 2005, 24, 137-145.	1.9	6
47	A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 040-040.	1.9	6
48	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.	1.8	6
49	On the design of experiments based on plastic scintillators using GEANT4 simulations. <i>Radiation Physics and Chemistry</i> , 2018, 153, 140-151.	1.4	6
50	Influencia del aula invertida en la formaci3n cient3fica inicial de Maestros/as: beneficios en el proceso de ense±anza-aprendizaje, actitudes y expectativas hacia las ciencias. <i>Revista De Investigacion Educativa</i> , 2021, 39, 463-482.	0.4	5
51	Energy determination of cosmic ray showers in surface arrays using signal inference at a single distance from the core. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 608, 454-463.	0.7	3
52	Energy reconstruction of hadron-initiated showers of ultra-high energy cosmic rays. <i>Astroparticle Physics</i> , 2015, 69, 61-67.	1.9	2
53	Evaluaci3n de la Calidad de Revistas Cient3ficas Espa±olas: An3lisis de Sus Procesos de Revisi3n. <i>Profesional De La Informacion</i> , 2011, 20, 159-164.	2.7	1
54	The Design of a Teaching-Learning Sequence on Simple Machines in Elementary Education and its Benefit on Creativity and Self-Regulation. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2022, 18, em2066.	0.7	0