

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	The Design of a Teaching-Learning Sequence on Simple Machines in Elementary Education and its Benefit on Creativity and Self-Regulation. Eurasia Journal of Mathematics, Science and Technology Education, 2022, 18, em2066.	0.7	0
2	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 ETQq0 0 0.0gBT /Overlock 10 T	0.7	0
3	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. Revista De Investigacion Educativa, 2021, 39, 463-482.	0.4	5
4	On the design of experiments based on plastic scintillators using GEANT4 simulations. Radiation Physics and Chemistry, 2018, 153, 140-151.	1.4	6
5	Energy reconstruction of hadron-initiated showers of ultra-high energy cosmic rays. Astroparticle Physics, 2015, 69, 61-67.	1.9	2
6	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. European Physical Journal C, 2015, 75, 269.	1.4	12
7	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. Astrophysical Journal, 2014, 789, 160.	1.6	29
8	Probing the radio emission from air showers with polarization measurements. Physical Review D, 2014, 89, .	1.6	85
9	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. Physical Review D, 2014, 90, .	1.6	69
10	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal Letters, 2014, 789, L34.	3.0	14
11	Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. Atmospheric Research, 2014, 149, 120-135.	1.8	6
12	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. Astroparticle Physics, 2013, 50-52, 92-101.	1.9	8
13	Improving photon-hadron discrimination based on cosmic ray surface detector data. Astroparticle Physics, 2013, 47, 10-17.	1.9	9
14	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. Advances in High Energy Physics, 2013, 2013, 1-18.	0.5	39
15	Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.	1.9	27
16	CONSTRAINTS ON THE ORIGIN OF COSMIC RAYS ABOVE 10^{18} eV FROM LARGE-SCALE ANISOTROPY SEARCHES IN DATA OF THE PIERRE AUGER OBSERVATORY. Astrophysical Journal Letters, 2013, 762, L13.	3.0	67
17	Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 009-009.	1.9	34
18	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. Astrophysical Journal Letters, 2012, 755, L4.	3.0	55

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19	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
20	Measurement of the Proton-Air Cross Section at $\sqrt{s} = 57$ TeV at the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2012, 109, 062002.	2.9	212
21	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
22	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , 2012, 760, 148.	1.6	27
23	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
24	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
25	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
26	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
27	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. <i>Physical Review D</i> , 2011, 84, .	1.6	51
28	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
29	A new composition-sensitive parameter for ultra-high energy cosmic rays. <i>Astroparticle Physics</i> , 2011, 35, 140-151.	1.9	18
30	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
31	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
32	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 368-381.	1.9	54
33	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
34	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
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	Evaluación de la Calidad de Revistas Científicas Españolas: Análisis de Sus Procesos de Revisión. <i>Profesional De La Informacion</i> , 2011, 20, 159-164.	2.7	1

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	Observation of the Suppression of the Flux of Cosmic Rays above 4×10^{19} eV. <i>Physical Review Letters</i> , 2008, 101, 061101.	2.8	500
50	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
51	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. <i>Science</i> , 2007, 318, 938-943.	6.0	647
52	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
53	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. <i>Astroparticle Physics</i> , 2007, 27, 244-253.	1.9	51
54	A technique for the optical characterization of imaging air-Cherenkov telescopes. <i>Astroparticle Physics</i> , 2005, 24, 137-145.	1.9	6