

Jaime Alvarez-Muniz

List of Publications by Year in descending order

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166
papers

13,690
citations

31976

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172
all docs

172
docs citations

172
times ranked

10539
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in the Simulation and Modelling of Coherent Radio Pulses from Ultra High-Energy Cosmic Particles. Universe, 2022, 8, 297.	2.5	1
2	The Giant Radio Array for Neutrino Detection (GRAND): Science and design. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	130
3	Askaryan radiation from neutrino-induced showers in ice. Physical Review D, 2020, 101, .	4.7	10
4	Prospects for high-elevation radio detection of >10 PeV tau neutrinos. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 065-065.	5.4	22
5	A New Concept for High-Elevation Radio Detection of Tau Neutrinos. EPJ Web of Conferences, 2019, 216, 04007.	0.3	6
6	Comprehensive analysis of anomalous ANITA events disfavors a diffuse tau-neutrino flux origin. Physical Review D, 2019, 99, .	4.7	40
7	Determination of cosmic-ray primary mass on an event-by-event basis using radio detection. Astroparticle Physics, 2019, 109, 41-49.	4.3	1
8	Comprehensive approach to tau-lepton production by high-energy tau neutrinos propagating through the Earth. Physical Review D, 2018, 97, .	4.7	52
9	An Indication of Anisotropy in Arrival Directions of Ultra-high-energy Cosmic Rays through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources [*] . Astrophysical Journal Letters, 2018, 853, L29.	8.3	165
10	Large-scale Cosmic-Ray Anisotropies above 4 EeV Measured by the Pierre Auger Observatory. Astrophysical Journal, 2018, 868, 4.	4.5	77
11	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
12	Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory. Journal of Instrumentation, 2017, 12, P02006-P02006.	1.2	8
13	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 038-038.	5.4	191
14	Multi-resolution anisotropy studies of ultrahigh-energy cosmic rays detected at the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 026-026.	5.4	14
15	Measurement of the cosmic ray flux with the ANITA experiment. EPJ Web of Conferences, 2017, 136, 02014.	0.3	0
16	Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory. Journal of Instrumentation, 2017, 12, P03002-P03002.	1.2	16
17	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
18	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 837, L25.	8.3	21

#	ARTICLE	IF	CITATIONS
19	Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
20	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. Astroparticle Physics, 2017, 95, 44-56.	4.3	7
21	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10^{18} eV. Science, 2017, 357, 1266-1270.	12.6	261
22	Inferences on mass composition and tests of hadronic interactions from 0.3 to 100 EeV using the water-Cherenkov detectors of the Pierre Auger Observatory. Physical Review D, 2017, 96, .	4.7	82
23	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	8.3	135
24	Can transition radiation explain the ANITA event 3985267?. Physical Review D, 2017, 95, .	4.7	15
25	The Pierre Auger Observatory status and latest results. EPJ Web of Conferences, 2017, 136, 02017.	0.3	2
26	Phenomenology of transition radiation at radio frequencies from ultrahigh-energy showers. EPJ Web of Conferences, 2017, 135, 05005.	0.3	0
27	The Pierre Auger Observatory Upgrade. EPJ Web of Conferences, 2017, 136, 02003.	0.3	0
28	Exploiting the radio signal from air showers: the AERA progress. EPJ Web of Conferences, 2017, 136, 02013.	0.3	0
29	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
30	Overview of lunar detection of ultra-high energy particles and new plans for the SKA. EPJ Web of Conferences, 2017, 135, 04001.	0.3	9
31	Astrophysical interpretation of Pierre Auger Observatory measurements of the UHECR energy spectrum and mass composition. EPJ Web of Conferences, 2017, 136, 02002.	0.3	0
32	The Giant Radio Array for Neutrino Detection (GRAND): Present and Perspectives. , 2017, , .		4
33	Ultra-high energy multi-messengers at the Pierre Auger Observatory. , 2017, , .		0
34	Ultra-high energy neutrinos: status and prospects. , 2017, , .		0
35	The AMY experiment: Microwave emission from air shower plasmas. EPJ Web of Conferences, 2016, 121, 03010.	0.3	0
36	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

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37	Evidence for a mixed mass composition at the "ankle"™ in the cosmic-ray spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 288-295.	4.1	84
38	Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory. Physical Review D, 2016, 94, .	4.7	15
39	Transition radiation at radio frequencies from ultrahigh-energy neutrino-induced showers. Physical Review D, 2016, 93, .	4.7	11
40	Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory. Physical Review D, 2016, 93, .	4.7	21
41	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. Physical Review D, 2016, 93, .	4.7	80
42	Measurement of the Radiation Energy in the Radio Signal of Extensive Air Showers as a Universal Estimator of Cosmic-Ray Energy. Physical Review Letters, 2016, 116, 241101.	7.8	91
43	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. Physical Review Letters, 2016, 117, 192001.	7.8	154
44	Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers. Journal of Instrumentation, 2016, 11, P01018-P01018.	1.2	20
45	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
46	Energy and flux measurements of ultra-high energy cosmic rays observed during the first ANITA flight. Astroparticle Physics, 2016, 77, 32-43.	4.3	55
47	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. Journal of Instrumentation, 2016, 11, P02012-P02012.	1.2	38
48	The lunar Askaryan technique with the Square Kilometre Array. , 2016, , .		1
49	The lunar Askaryan technique: a technical roadmap. , 2016, , .		0
50	The Pierre Auger Cosmic Ray Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 798, 172-213.	1.6	442
51	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
52	Searches for ultra-high energy neutrinos at the Pierre Auger observatory. AIP Conference Proceedings, 2015, , .	0.4	0
53	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, 2015, 804, 15.	4.5	146
54	Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory. Physical Review D, 2015, 91, .	4.7	125

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55	Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events. <i>Physical Review D</i> , 2015, 91, .	4.7	152
56	Simulations of reflected radio signals from cosmic ray induced air showers. <i>Astroparticle Physics</i> , 2015, 66, 31-38.	4.3	14
57	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
58	LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80°. <i>Astrophysical Journal</i> , 2015, 802, 111.	4.5	49
59	Lunar detection of ultra-high-energy cosmic rays and neutrinos with the Square Kilometre Array. , 2015, , .		5
60	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. I. Measurements at energies above 10^{19} eV. <i>Physical Review D</i> , 2014, 90, .	4.7	266
61	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. II. Composition implications. <i>Physical Review D</i> , 2014, 90, .	4.7	213
62	SEARCHES FOR LARGE-SCALE ANISOTROPY IN THE ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE ENERGY OF 10^{19} eV AT THE PIERRE AUGER OBSERVATORY AND THE TELESCOPE ARRAY. <i>Astrophysical Journal</i> , 2014, 794, 172.	4.5	72
63	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , 2014, 789, 160.	4.5	29
64	Reconstruction of inclined air showers detected with the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 019-019.	5.4	49
65	Probing the radio emission from air showers with polarization measurements. <i>Physical Review D</i> , 2014, 89, .	4.7	85
66	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. <i>Physical Review D</i> , 2014, 90, .	4.7	69
67	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal Letters</i> , 2014, 789, L34.	8.3	14
68	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
69	Radio pulses from ultra-high energy atmospheric showers as the superposition of Askaryan and geomagnetic mechanisms. <i>Astroparticle Physics</i> , 2014, 59, 29-38.	4.3	23
70	Calculations of electric fields for radio detection of ultrahigh energy particles. <i>Physical Review D</i> , 2013, 87, .	4.7	15
71	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. <i>Astroparticle Physics</i> , 2013, 50-52, 92-101.	4.3	8
72	The MIDAS telescope for microwave detection of ultra-high energy cosmic rays. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 719, 70-80.	1.6	8

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73	Ultra high frequency geomagnetic radiation from extensive air showers. AIP Conference Proceedings, 2013, , .	0.4	3
74	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. Advances in High Energy Physics, 2013, 2013, 1-18.	1.1	39
75	Techniques for measuring aerosol attenuation using the Central Laser Facility at the Pierre Auger Observatory. Journal of Instrumentation, 2013, 8, P04009-P04009.	1.2	24
76	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.	5.4	27
77	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.	8.3	67
78	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.	5.4	34
79	The AMY experiment to measure GHz radiation for Ultra-High Energy Cosmic Ray detection. Journal of Physics: Conference Series, 2013, 409, 012082.	0.4	0
80	Review of the Multimessenger Working Group at UHECR-2012. EPJ Web of Conferences, 2013, 53, 01009.	0.3	9
81	The Air Microwave Yield (AMY) experiment to measure the GHz emission from air shower plasmas. EPJ Web of Conferences, 2013, 53, 08011.	0.3	6
82	Proton-nucleus collisions at the LHC: scientific opportunities and requirements. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 015010.	3.6	120
83	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.	8.3	55
84	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P10011-P10011.	1.2	95
85	Coherent radiation from extensive air showers in the ultrahigh frequency band. Physical Review D, 2012, 86, .	4.7	28
86	Measurement of the Proton-Air Cross Section at $\sqrt{s} > 57$ TeV at the Pierre Auger Observatory. Physical Review Letters, 2012, 109, 062002.	7.8	212
87	Publisher's Note: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory [Phys. Rev. D84, 122005 (2011)]. Physical Review D, 2012, 85, .	4.7	8
88	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal, 2012, 760, 148.	4.5	27
89	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10^{18} eV AT THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, Supplement Series, 2012, 203, 34.	7.7	44
90	The rapid atmospheric monitoring system of the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P09001-P09001.	1.2	24

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91	Results of a self-triggered prototype system for radio-detection of extensive air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P11023-P11023.	1.2	24
92	Search for microwave emission from ultrahigh energy cosmic rays. <i>Physical Review D</i> , 2012, 86, .	4.7	15
93	Monte Carlo simulations of radio pulses in atmospheric showers using ZHAireS. <i>Astroparticle Physics</i> , 2012, 35, 325-341.	4.3	127
94	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.	5.4	6
95	Measurement of the cosmic ray energy spectrum using hybrid events of the Pierre Auger Observatory. <i>European Physical Journal Plus</i> , 2012, 127, 1.	2.6	34
96	Coherent Cherenkov radio pulses from hadronic showers up to EeV energies. <i>Astroparticle Physics</i> , 2012, 35, 287-299.	4.3	28
97	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.	4.3	32
98	Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). <i>Astroparticle Physics</i> , 2012, 35, 591-607.	4.3	66
99	Time-domain radio pulses from particle showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S32-S35.	1.6	0
100	Status and strategies of current LUNASKA lunar Cherenkov observations with the Parkes radio telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S95-S98.	1.6	5
101	Radio pulses from electromagnetic, hadronic and neutrino-induced showers up to EeV energies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S187-S190.	1.6	1
102	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. <i>Physical Review D</i> , 2011, 84, .	4.7	51
103	Practical and accurate calculations of Askaryan radiation. <i>Physical Review D</i> , 2011, 84, .	4.7	32
104	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.	5.4	9
105	The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. <i>Journal of Instrumentation</i> , 2011, 6, P01003-P01003.	1.2	16
106	LUNASKA experiment observational limits on UHE neutrinos from Centaurus A and the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 885-889.	4.4	29
107	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.	4.3	16
108	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 368-381.	4.3	54

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109	A comprehensive study of shower to shower fluctuations. <i>Astroparticle Physics</i> , 2011, 34, 503-512.	4.3	5
110	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.	4.3	73
111	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.	1.6	52
112	Microwave detection of air showers with the MIDAS experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2011, 212-213, 329-335.	0.4	2
113	The MIDAS experiment: A prototype for the microwave emission of Ultra-High Energy Cosmic Rays. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2011, 215, 63-65.	0.4	0
114	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.	5.4	24
115	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.	4.3	84
116	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. <i>Astroparticle Physics</i> , 2010, 34, 314-326.	4.3	270
117	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.	1.6	151
118	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.	4.1	357
119	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.	1.6	275
120	Characterisation of the electromagnetic component in ultra-high energy inclined air showers. <i>Astroparticle Physics</i> , 2010, 32, 304-317.	4.3	13
121	Measurement of the Depth of Maximum of Extensive Air Showers above 10^{18} eV. <i>Physical Review Letters</i> , 2010, 104, 091101.	7.8	429
122	LUNASKA experiments using the Australia Telescope Compact Array to search for ultrahigh energy neutrinos and develop technology for the lunar Cherenkov technique. <i>Physical Review D</i> , 2010, 81, .	4.7	56
123	Cherenkov radio pulses from electromagnetic showers in the time domain. <i>Physical Review D</i> , 2010, 81, .	4.7	46
124	Thinned simulations of extremely energetic showers in dense media for radio applications. <i>Astroparticle Physics</i> , 2009, 32, 100-111.	4.3	20
125	Recent results from the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 604, S30-S36.	1.6	0
126	Coherent Cherenkov radio emission from EeV showers in dense media through thinned simulations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 604, S27-S29.	1.6	0

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127	Status report and future prospects on LUNASKA lunar observations with ATCA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, S112-S115.	1.6	5
128	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. Astroparticle Physics, 2009, 32, 89-99.	4.3	43
129	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. Astroparticle Physics, 2009, 31, 399-406.	4.3	117
130	A model for net-baryon rapidity distribution. European Physical Journal C, 2009, 61, 391-399.	3.9	3
131	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. Physical Review D, 2009, 79, .	4.7	99
132	Selected results from the Pierre Auger Observatory. Journal of Physics: Conference Series, 2009, 171, 012044.	0.4	0
133	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	4.3	305
134	Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. Astroparticle Physics, 2008, 29, 243-256.	4.3	161
135	Observation of the Suppression of the Flux of Cosmic Rays above 4×10^{19} eV. Physical Review Letters, 2008, 101, 061101.	7.8	500
136	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	7.8	141
137	Inclined showers at the Pierre Auger observatory. Journal of Physics: Conference Series, 2008, 110, 062007.	0.4	0
138	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	12.6	647
139	Percolation and high energy cosmic rays above 1017eV. Astroparticle Physics, 2007, 27, 271-277.	4.3	5
140	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. Astroparticle Physics, 2007, 27, 155-168.	4.3	90
141	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. Astroparticle Physics, 2007, 27, 244-253.	4.3	51
142	Coherent radio pulses from showers in different media: A unified parametrization. Physical Review D, 2006, 74, .	4.7	41
143	SIMULATIONS OF RADIO EMISSION FROM ELECTROMAGNETIC SHOWERS IN DENSE MEDIA. International Journal of Modern Physics A, 2006, 21, 55-59.	1.5	2
144	High energy neutrinos from radio-quiet active galactic nuclei. Physical Review D, 2004, 70, .	4.7	57

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145	Influence of shower fluctuations and primary composition on studies of the shower longitudinal development. <i>Physical Review D</i> , 2004, 69, .	4.7	15
146	Neutrinos from individual gamma-ray bursts in the BATSE catalog. <i>Astroparticle Physics</i> , 2004, 20, 429-455.	4.3	210
147	Properties and performance of the prototype instrument for the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 523, 50-95.	1.6	647
148	GRB 941017: A Case Study of Neutrino Production in Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2004, 604, L85-L88.	4.5	9
149	SIMULATIONS OF EXTENSIVE AIR SHOWERS: A HYBRID METHOD. , 2004, , .		0
150	On the role of hadronic interactions in giant air showers. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 122, 345-348.	0.4	0
151	Comparative study of electromagnetic shower track lengths in water and implications for Čerenkov radio emission. <i>Physical Review D</i> , 2003, 68, .	4.7	17
152	Energy determination of extensive air showers through the fluorescence technique. <i>Physical Review D</i> , 2003, 67, .	4.7	13
153	Detecting microscopic black holes with neutrino telescopes. <i>Physical Review D</i> , 2002, 65, .	4.7	89
154	Atmospheric shower fluctuations and the constant intensity cut method. <i>Physical Review D</i> , 2002, 66, .	4.7	18
155	Possible High-Energy Neutrinos from the Cosmic Accelerator RX J1713.7âˆ’3946. <i>Astrophysical Journal</i> , 2002, 576, L33-L36.	4.5	90
156	Hybrid simulations of extensive air showers. <i>Physical Review D</i> , 2002, 66, .	4.7	66
157	Ultra high energy cosmic rays and magnetic fields. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 110, 491-493.	0.4	0
158	Ultra-high-Energy Cosmic-Ray Propagation in the Galaxy: Clustering versus Isotropy. <i>Astrophysical Journal</i> , 2002, 572, 185-201.	4.5	49
159	Calculations of radio pulses from high energy showers. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	1
160	Prospects for radio detection of extremely high energy cosmic rays and neutrinos in the Moon. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	11
161	10 ²⁰ -eV cosmic-ray and particle physics with kilometer-scale neutrino telescopes. <i>Physical Review D</i> , 2001, 63, .	4.7	25
162	Is Tsallis Thermodynamics Nonextensive?. <i>Physical Review Letters</i> , 2001, 88, 020601.	7.8	44

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163	Phenomenology of High-Energy Neutrinos in Low-Scale Quantum-Gravity Models. Physical Review Letters, 2001, 88, 021301.	7.8	32
164	High energy neutrinos from gamma ray bursts: Event rates in neutrino telescopes. Physical Review D, 2000, 62, .	4.7	46
165	Calculation methods for radio pulses from high energy showers. Physical Review D, 2000, 62, .	4.7	61
166	The LPM effect for EeV hadronic showers in ice: implications for radio detection of neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 396-406.	4.1	85