

Patrícia Gonçalves

List of Publications by Year in descending order

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250
papers

13,205
citations

44069

48
h-index

24258

110
g-index

260
all docs

260
docs citations

260
times ranked

9479
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for the Standard Model Higgs boson at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 565, 61-75.	4.1	1,175
2	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	25.6	974
3	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	12.6	647
4	Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.	3.9	592
5	Observation of the Suppression of the Flux of Cosmic Rays above 4×10^{19} eV. Physical Review Letters, 2008, 101, 061101.	7.8	500
6	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. Physics Reports, 2013, 532, 119-244.	25.6	453
7	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
8	Measurement of the Depth of Maximum of Extensive Air Showers above 10^{18} eV. Physical Review Letters, 2010, 104, 091101.	7.8	429
9	Measurement of the energy spectrum of cosmic rays above 10 ¹⁸ eV using the Pierre Auger Observatory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 239-246.	4.1	357
10	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	4.3	305
11	The fluorescence detector of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 227-251.	1.6	275
12	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. Astroparticle Physics, 2010, 34, 314-326.	4.3	270
13	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. I. Measurements at energies above $1 < 10^{19}$ eV. Physical Review D, 2014, 90, .	4.7	266
14	Searches for supersymmetric particles in e + e- collisions up to 208 GeV and interpretation of the results within the MSSM. European Physical Journal C, 2003, 31, 421-479.	3.9	221
15	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. II. Composition implications. Physical Review D, 2014, 90, .	4.7	213
16	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
17	Upper limit on the cosmic-ray photon flux above 10 ¹⁹ eV using the surface detector of the Pierre Auger Observatory. Astroparticle Physics, 2008, 29, 243-256.	4.3	161
18	Photon events with missing energy in e + e- collisions at $\sqrt{s} = 130$ to 209 GeV. European Physical Journal C, 2005, 38, 395-411.	3.9	156

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 804, 15.	4.5	146
22	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2008, 100, 211101.	7.8	141
23	Study of tau-pair production in photon-photon collisions at LEP and limits on the anomalous electromagnetic moments of the tau lepton. <i>European Physical Journal C</i> , 2004, 35, 159-170.	3.9	118
24	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2009, 31, 399-406.	4.3	117
25	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, .	4.7	99
26	Searches for neutral Higgs bosons in extended models. <i>European Physical Journal C</i> , 2004, 38, 1-28.	3.9	96
27	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.	1.2	95
28	Search for charged Higgs bosons at LEP in general two Higgs doublet models. <i>European Physical Journal C</i> , 2004, 34, 399-418.	3.9	87
29	Probing the radio emission from air showers with polarization measurements. <i>Physical Review D</i> , 2014, 89, .	4.7	85
30	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
31	A study of the energy evolution of event shape distributions and their means with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2003, 29, 285-312.	3.9	77
32	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
33	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
34	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. <i>Physical Review D</i> , 2014, 90, .	4.7	69
35	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.	8.3	67
36	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

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37	Search for the Standard Model Higgs boson at LEP in the year 2000. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 23-37.	4.1	65
38	Search for doubly charged Higgs bosons at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 552, 127-137.	4.1	63
39	Search for charginos, neutralinos and gravitinos at LEP. European Physical Journal C, 1998, 1, 1-20.	3.9	57
40	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
41	The exposure of the hybrid detector of the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 368-381.	4.3	54
42	b-tagging in DELPHI at LEP. European Physical Journal C, 2004, 32, 185-208.	3.9	53
43	Search for one large extra dimension with the DELPHI detector at LEP. European Physical Journal C, 2009, 60, 17-23.	3.9	53
44	Measurement of the mass and width of the W boson in e+e- collisions at $\sqrt{s} = 161\text{--}209$ GeV. European Physical Journal C, 2008, 55, 1.	3.9	52
45	Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, 92-102.	1.6	52
46	Measurement and interpretation of fermion-pair production at LEP energies of 183 and 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 45-61.	4.1	51
47	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. Physical Review D, 2011, 84, .	4.7	51
48	Single intermediate vector boson production in e + e - collisions * at $\sqrt{s} = \{ \}$ 183-209 GeV. European Physical Journal C, 2006, 45, 273-289.	3.9	49
49	Reconstruction of inclined air showers detected with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	5.4	49
50	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
51	mb at MZ. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 430-442.	4.1	48
52	Energy dependence of event shapes and of $\hat{I}_{\pm s}$ at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 322-340.	4.1	48
53	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. Astroparticle Physics, 2007, 28, 273-286.	4.3	47
54	The scale dependence of the hadron multiplicity in quark and gluon jets and a precise determination of CA/CF. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 383-400.	4.1	44

#	ARTICLE	IF	CITATIONS
55	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.	7.7	44
56	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. <i>Astroparticle Physics</i> , 2009, 32, 89-99.	4.3	43
57	Measurement and interpretation of the W-pair cross-section in $e+e^-$ interactions at 161 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 397, 158-170.	4.1	42
58	Evidence for an excess of soft photons in hadronic decays of Z0. <i>European Physical Journal C</i> , 2006, 47, 273-294.	3.9	42
59	Study of W-boson polarisations and triple gauge boson couplings in the reaction $e+e^- \rightarrow W+W^-$ at LEP 2. <i>European Physical Journal C</i> , 2008, 54, 345-364.	3.9	41
60	Search for single top production via FCNC at LEP at $\sqrt{s}=189-208$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 590, 21-34.	4.1	39
61	Measurement and interpretation of fermion-pair production at LEP energies above the Z resonance. <i>European Physical Journal C</i> , 2006, 45, 589-632.	3.9	39
62	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-18.	1.1	39
63	In-beam aerogel light yield characterization for the AMS RICH detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 614, 237-249.	1.6	38
64	First evidence for a charm radial excitation, D. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 426, 231-242.	4.1	37
65	Study of inclusive J/ψ production in two-photon collisions at LEP with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 565, 76-86.	4.1	37
66	Final results from DELPHI on the searches for SM and MSSM neutral Higgs bosons. <i>European Physical Journal C</i> , 2004, 32, 145-183.	3.9	36
67	Determination of heavy quark non-perturbative parameters from spectral moments in semileptonic B decays. <i>European Physical Journal C</i> , 2006, 45, 35-59.	3.9	36
68	Measurement of the spin density matrix for the $J/\psi(0, K^* \rightarrow 0(892)$ and F produced in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 406, 271-286.	4.1	35
69	Measurement of V_{cb} from the decay process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 510, 55-74.	4.1	35
70	Searches for invisibly decaying Higgs bosons with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2004, 32, 475-492.	3.9	35
71	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
72	Overview of energetic particle hazards during prospective manned missions to Mars. <i>Planetary and Space Science</i> , 2012, 63-64, 123-132.	1.7	34

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73	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.	5.4	34
74	Study of the dependence of direct soft photon production on the jet characteristics in hadronic Z0 decays. <i>European Physical Journal C</i> , 2010, 67, 343-366.	3.9	33
75	A study of the b-quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Z Pole. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	33
76	Measurement of the $e^+ + e^- \rightarrow W^+ + W^- \gamma$ cross-section and limits on anomalous quartic gauge couplings with DELPHI. <i>European Physical Journal C</i> , 2003, 31, 139-147.	3.9	32
77	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
78	Search for Leptoquarks and FCNC in e^+e^- annihilations at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 446, 62-74.	4.1	31
79	Two-dimensional analysis of the Bose-Einstein correlations in e^+e^- annihilation at the Z0 peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 471, 460-470.	4.1	31
80	The measurement of α_s from event shapes with the DELPHI detector at the highest LEP energies. <i>European Physical Journal C</i> , 2004, 37, 1-23.	3.9	31
81	Measurement of the W-pair production cross-section and W branching ratios in e^+e^- collisions at $\sqrt{s} = 161-209$ GeV. <i>European Physical Journal C</i> , 2004, 34, 127-144.	3.9	30
82	Measurement of trilinear gauge couplings in e^+e^- collisions at 161 GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 423, 194-206.	4.1	29
83	Measurement of trilinear gauge boson couplings WWV , ($V = Z, \hat{1}^3$) in e^+e^- collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 502, 9-23.	4.1	29
84	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , 2014, 789, 160.	4.5	29
85	A study of the hadronic resonance structure in the decay $\tilde{1}, \hat{1}^3 \rightarrow \tilde{1}, \hat{1}^3$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 426, 411-427.	4.1	28
86	Measurement of the $\hat{1}b0$ decay form factor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 585, 63-84.	4.1	28
87	Characterization of the particle radiation environment at three potential landing sites on Mars using ESA's MEREM models. <i>Icarus</i> , 2012, 218, 723-734.	2.5	28
88	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , 2012, 760, 148.	4.5	27
89	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.	5.4	27
90	Determination of $ V_{ub} / V_{cb} $ with DELPHI at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 478, 14-30.	4.1	26

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91	Search for supersymmetric particles in light gravitino scenarios and sleptons NLSP. European Physical Journal C, 2003, 27, 153-172.	3.9	26
92	A search for heavy stable and long-lived squarks and sleptons in e^+e^- collisions at energies from 130 to 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 491-502.	4.1	25
93	Search for a fermiophobic Higgs at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 89-103.	4.1	25
94	Search for supersymmetric particles assuming R-parity non-conservation in e^+e^- collisions at $\sqrt{s} = 192$ to 208 GeV. European Physical Journal C, 2004, 36, 1-23.	3.9	25
95	Measurement of correlations between pions from different W's in $e^+e^- \rightarrow W^+W^-$ events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 181-191.	4.1	24
96	Measurement of $ V_{cb} $ using the semileptonic decay $\overline{m}_{B^0_d} \rightarrow m_{D^*} \ell^+ \ell^-$. European Physical Journal C, 2004, 33, 213-232.	3.9	24
97	Search for fermiophobic Higgs bosons in final states with photons at LEP 2. European Physical Journal C, 2004, 35, 313-324.	3.9	24
98	Study of triple-gauge-boson couplings ZZZ , $ZZ\gamma$ and $Z\gamma\gamma$ at LEP. European Physical Journal C, 2007, 51, 525-542.	3.9	24
99	The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 022-022.	5.4	24
100	The rapid atmospheric monitoring system of the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P09001-P09001.	1.2	24
101	Results of a self-triggered prototype system for radio-detection of extensive air showers at the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P11023-P11023.	1.2	24
102	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
103	Measurement of $ V_{cs} $ using W decays at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 439, 209-224.	4.1	22
104	Measurement of inclusive $\bar{t}t$, $f_0(980)$, $f_2(1270)$, K and $\phi(1020)$ production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 364-382.	4.1	22
105	Measurements of the trilinear gauge boson couplings WWV ($V = \gamma, Z$) in e^+e^- collisions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 382-396.	4.1	22
106	ZZ production in e^+e^- interactions at $\sqrt{s} = 183$ -209 GeV. European Physical Journal C, 2003, 30, 447-466.	3.9	22
107	Prototype study of the Cherenkov imager of the AMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 560, 291-302.	1.6	22
108	Measurement of the multiplicity of gluons splitting to bottom quark pairs in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 405, 202-214.	4.1	21

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109	Search for heavy stable and long-lived particles in $e+e^{-}$ collisions at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 65-72.	4.1	21
110	W pair production cross-section and W branching fractions in $e+e^{-}$ interactions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 89-100.	4.1	21
111	Search for B^0_s oscillations and a measurement of B^0_d oscillations using events with an inclusively reconstructed vertex. European Physical Journal C, 2003, 28, 155-173.	3.9	21
112	Measurements of CP-conserving trilinear gauge boson couplings WWV ($V=0,1,3,Z$) in $e+e^{-}$ collisions at LEP2. European Physical Journal C, 2010, 66, 35-56.	3.9	20
113	Measurement of the rate of events in hadronic Z decays and the extraction of the gluon splitting into. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 425-439.	4.1	19
114	Measurement of B^0_d - $\overline{B^0_d}$ oscillations. Zeitschrift für Physik C-Particles and Fields, 1997, 76, 579-598.	1.5	18
115	A search for $\hat{t}\hat{t}^*c$ production in photon-photon fusion at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 441, 479-490.	4.1	18
116	Measurement of the mass of the W boson using direct reconstruction at $\sqrt{s} = 183$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 410-424.	4.1	18
117	Hadronization properties of b quarks compared to light quarks in from 183 to 200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 118-128.	4.1	18
118	Search for SUSY with R-parity violating couplings at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 36-52.	4.1	17
119	A study of the Lorentz structure in tau decays. European Physical Journal C, 2000, 16, 229-252.	3.9	17
120	A measurement of the branching fractions of the b-quark into charged and neutral b-hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 576, 29-42.	4.1	17
121	Study of b-quark mass effects in multijet topologies with the DELPHI detector at LEP. European Physical Journal C, 2008, 55, 525-538.	3.9	17
122	Observation of the muon inner bremsstrahlung at LEP1. European Physical Journal C, 2008, 57, 499-514.	3.9	16
123	The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. Journal of Instrumentation, 2011, 6, P01003-P01003.	1.2	16
124	The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray showers detected by the Pierre Auger Observatory. Astroparticle Physics, 2011, 35, 266-276.	4.3	16
125	Search for the Higgs boson in events with isolated photons at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 431-446.	4.1	15
126	Determination of the $e+e^{-}\hat{t}\hat{t}^*3\hat{t}^3$ cross-section at centre-of-mass energies ranging from 189 GeV to 202 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 491, 67-80.	4.1	15

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127	Search for supersymmetric partners of top and bottom quarks at \hat{A} GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 496, 59-75.	4.1	15
128	Measurement of the mass and width of the W boson in $e+e^{\sim}$ collisions at \hat{A} GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 511, 159-177.	4.1	15
129	In-beam tests of the AMS RICH prototype with secondary ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 126-131.	1.6	15
130	Determination of the b quark mass at the MZ scale with the DELPHI detector at LEP. European Physical Journal C, 2006, 46, 569-583.	3.9	15
131	Investigation of Colour Reconnection in WW events with the DELPHI detector at LEP-2. European Physical Journal C, 2007, 51, 249.	3.9	15
132	Observation of charge-ordering in particle production in hadronic Z0 decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 174-184.	4.1	14
133	Search for charginos, neutralinos and gravitinos at LEP. European Physical Journal C, 1998, 1, 1.	3.9	14
134	Charged particle multiplicity in events at 161 and 172 GeV and from the decay of the W boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 233-246.	4.1	14
135	Search for charginos, neutralinos and gravitinos in $e+e^{\sim}$ interactions at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 446, 75-91.	4.1	14
136	\hat{b} polarization in Z0 decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 474, 205-222.	4.1	14
137	Search for SUSY in the AMSB scenario with the DELPHI detector. European Physical Journal C, 2004, 34, 145-156.	3.9	14
138	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal Letters, 2014, 789, L34.	8.3	14
139	Measurement of the branching fraction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 407-428.	4.1	13
140	Upper limit for the decay and measurement of the branching ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 496, 43-58.	4.1	13
141	Search for R-parity violation with a coupling at \hat{A} GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 500, 22-36.	4.1	13
142	Search for excited leptons in $e+e^-$ collisions at $\sqrt{s} = 189\hat{A}209\hat{A}\%$ GeV. European Physical Journal C, 2006, 46, 277.	3.9	13
143	Search for supersymmetry with R-parity violating. European Physical Journal C, 2000, 13, 591.	3.9	13
144	Measurement of the $e+e^{\sim}\hat{A}^{\sim}\hat{A}^{\sim}$ cross section at the LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 429-440.	4.1	12

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145	Limits on the masses of supersymmetric particles at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 489, 38-54.	4.1	12
146	Study of $\overline{\mathbf{B}}_s$ oscillations and \mathbf{B}_s lifetimes using hadronic decays of \mathbf{B}_s mesons. European Physical Journal C, 2000, 18, 229-252.	3.9	12
147	Search for charged Higgs bosons in e^+e^- collisions at $s=189\text{--}202\text{ GeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 17-28.	4.1	12
148	Search for an LSP gluino at LEP with the DELPHI detector. European Physical Journal C, 2003, 26, 505-525.	3.9	12
149	The Ring Imaging Cherenkov detector of the AMS experiment: test beam results with a prototype. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 32-35.	0.4	12
150	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. European Physical Journal C, 2015, 75, 269.	3.9	12
151	Measurement of the triple gluon vertex from double quark tagged 4-jet events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 401-418.	4.1	11
152	Rapidity correlations in \hat{b} baryon and proton production in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 247-256.	4.1	11
153	Inclusive \hat{b} and $\hat{b}(1520)$ production in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 429-447.	4.1	11
154	Search for spontaneous R-parity violation at $\hat{A}\text{ GeV}$ and $189\hat{A}\text{ GeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 502, 24-36.	4.1	11
155	A precise measurement of the tau lifetime. European Physical Journal C, 2004, 36, 283-296.	3.9	11
156	Measurement of the energy dependence of hadronic jet rates and the strong coupling α_s from the four-jet rate with the DELPHI detector at LEP. European Physical Journal C, 2005, 38, 413-426.	3.9	11
157	Production of χ_{c0} and χ_{cb} in Z decays and lifetime measurement of χ_{cb} . European Physical Journal C, 2005, 44, 299-309.	3.9	11
158	Search for χ_{cb} production in Z decays and lifetime measurement of χ_{cb} . European Physical Journal C, 2005, 44, 299-309.	4.1	11
159	A study of \mathbf{B}_s production in e^+e^- collisions at $\sqrt{s}=130\text{--}207\text{ GeV}$. European Physical Journal C, 2009, 60, 1-15.	3.9	11
160	A source of very energetic oxygen located in Jupiter's inner radiation belts. Science Advances, 2022, 8, eabm4234.	10.3	11
161	Search for charged Higgs bosons in e^+e^- collisions at $\sqrt{s}=172\text{ GeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 140-156.	4.1	10
162	Multiplicity fluctuations in one- and two-dimensional angular intervals compared with analytic QCD calculations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 457, 368-382.	4.1	10

#	ARTICLE	IF	CITATIONS
163	Search for charged Higgs bosons at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 484-497.	4.1	10
164	Determination of the $e^+ e^- \rightarrow \gamma \gamma$ cross-section at LEP 2. European Physical Journal C, 2004, 37, 405-419.	3.9	10
165	Bose-Einstein Correlations in $W^+ W^-$ events at LEP2. European Physical Journal C, 2005, 44, 161-174.	3.9	10
166	Searches for neutral Higgs bosons in e^+e^- collisions from $\sqrt{s} = 191.6$ to 201.7 GeV. European Physical Journal C, 2002, 23, 409-435.	3.9	9
167	Search for resonant χ production at $\sqrt{s} = 183$ to 208 GeV. European Physical Journal C, 2003, 28, 15-26.	3.9	9
168	Flavour independent searches for hadronically decaying neutral Higgs bosons. European Physical Journal C, 2005, 44, 147-159.	3.9	9
169	Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 022-022.	5.4	9
170	Modeling the Response of the ESAPMOS4 RADFETs for the ALPHASAT CTTB Experiment. IEEE Transactions on Nuclear Science, 2014, 61, 1439-1443.	2.0	9
171	MARTA: a high-energy cosmic-ray detector concept for high-accuracy muon measurement. European Physical Journal C, 2018, 78, 1.	3.9	9
172	GUIMesh: A tool to import STEP geometries into Geant4 via GDML. Computer Physics Communications, 2019, 239, 150-156.	7.5	9
173	W pair production cross-section and W branching fractions in e^+e^- interactions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 310-321.	4.1	8
174	Search for charginos in e^+e^- interactions at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 129-143.	4.1	8
175	Single intermediate vector boson production in e^+e^- collisions at $\sqrt{s}=183$ and 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 515, 238-254.	4.1	8
176	A precise measurement of the B^+ , B^0 and mean b -hadron lifetime with the DELPHI detector at LEP I. European Physical Journal C, 2004, 33, 307-324.	3.9	8
177	Measurement of the forward-backward asymmetries of $e^+ e^- \rightarrow Z \rightarrow b \bar{b}$ and $e^+ e^- \rightarrow Z \rightarrow c \bar{c}$ using prompt leptons. European Physical Journal C, 2004, 34, 109-125.	3.9	8
178	Search for $B^0_s - \bar{B}^0_s$ oscillations in DELPHI using high- p_T leptons. European Physical Journal C, 2004, 35, 35-52.	3.9	8
179	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
180	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. Astroparticle Physics, 2013, 50-52, 92-101.	4.3	8

#	ARTICLE	IF	CITATIONS
181	Search for the sgoldstino at from 189 to 202ÂGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 494, 203-214.	4.1	7
182	Measurement of inclusive f1(1285) and f1(1420) production in Z decays with the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 569, 129-139.	4.1	7
183	A measurement of the tau hadronic branching ratios. European Physical Journal C, 2006, 46, 1-26.	3.9	7
184	A determination of the centre-of-mass energy at LEP2 using radiative two-fermion events. European Physical Journal C, 2006, 46, 295-305.	3.9	7
185	Search for scalar fermions and long-lived scalar leptons at centre-of-mass energies of 130 GeV to 172 GeV. European Physical Journal C, 1999, 6, 385.	3.9	7
186	Two-particle angular correlations in e+eâ interactions compared with QCD predictions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 203-216.	4.1	6
187	Measurement of the charged particle multiplicity of weakly decaying B hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 399-412.	4.1	6
188	A search for invisible Higgs bosons produced in e+eâ interactions at LEP 2 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 367-381.	4.1	6
189	Search for supersymmetric particles in scenarios with a gravitino LSP and stau NLSP. European Physical Journal C, 2000, 16, 211-228.	3.9	6
190	Measurement of the ZZ cross-section in e+eâ interactions at 183â€“189ÂGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 497, 199-213.	4.1	6
191	The $\eta_c(2980)$ formation in two-photon collisions at LEP energies. European Physical Journal C, 2003, 31, 481-489.	3.9	6
192	Cherenkov angle and charge reconstruction with the RICH detector of the AMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 310-314.	1.6	6
193	Study of leading hadrons in gluon and quark fragmentation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 643, 147-157.	4.1	6
194	Modeling the effects of low-LET cosmic rays on electronic components. Radiation and Environmental Biophysics, 2012, 51, 245-254.	1.4	6
195	A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 040-040.	5.4	6
196	Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. Atmospheric Research, 2014, 149, 120-135.	4.1	6
197	Search for Bs0- oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 382-400.	4.1	5
198	Search for scalar fermions and long-lived scalar leptons at centre-of-mass energies of 130 GeV to 172 GeV. European Physical Journal C, 1999, 6, 385-401.	3.9	5

#	ARTICLE	IF	CITATIONS
199	Charged particle multiplicity in three-jet events and two-gluon systems. European Physical Journal C, 2005, 44, 311-331.	3.9	5
200	Search for pentaquarks in the hadronic decays of the Z boson with the DELPHI detector at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 151-160.	4.1	5
201	Search for single top quark production via contact interactions at LEP2. European Physical Journal C, 2011, 71, 1.	3.9	5
202	SEP Protons in GEO measured with the ESA MultiFunctional Spectrometer. IEEE Transactions on Nuclear Science, 2017, , 1-1.	2.0	5
203	Search for pair-produced neutralinos in events with photons and missing energy from. European Physical Journal C, 1999, 6, 371.	3.9	5
204	Measurement of the transverse spin correlation in $Z \rightarrow \bar{l}l, + \bar{l}l, \bar{l}l$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 404, 194-206.	4.1	4
205	Search for pair-produced neutralinos in events with photons and missing energy from e+e- collisions at $\sqrt{s} = 130 - 183$ GeV. European Physical Journal C, 1999, 6, 371-384.	3.9	4
206	Update of the search for supersymmetric particles in scenarios with gravitino LSP and sleptons NLSP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 34-48.	4.1	4
207	Determination of A_{FB}^b at the Z pole using inclusive charge reconstruction and lifetime tagging. European Physical Journal C, 2005, 40, 1-25.	3.9	4
208	Search for a fourth generation b^c -quark at LEP-II at $\sqrt{s} = 196 - 209$ GeV. European Physical Journal C, 2007, 50, 507-518.	3.9	4
209	The impact of Mars geological evolution in high energy ionizing radiation environment through time. Planetary and Space Science, 2012, 72, 70-77.	1.7	4
210	The low energy magnetic spectrometer on Ulysses and ACE response to near relativistic protons. Astronomy and Astrophysics, 2015, 577, A61.	5.1	4
211	Development of a Directionality Detector for RADEM, the Radiation Hard Electron Monitor Aboard the JUICE Mission. IEEE Transactions on Nuclear Science, 2019, 66, 1770-1777.	2.0	4
212	Beam test results of the RADEM Engineering Model. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162795.	1.6	4
213	Dose Measurements and Simulations of the RADFETs Response Onboard the Alphasat CTTB Experiments. IEEE Transactions on Nuclear Science, 2020, 67, 2028-2033.	2.0	4
214	Rapidity-rank structure of pairs in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 490, 61-70.	4.1	3
215	Inclusive b^c decays to wrong sign charmed mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 26-40.	4.1	3
216	Applications of GEANT4 in astroparticle experiments. IEEE Transactions on Nuclear Science, 2004, 51, 1373-1377.	2.0	3

#	ARTICLE	IF	CITATIONS
217	lifetimes and production rates of Z^0 particles. European Physical Journal C, 2007, 17, 153-160.	4.1	3
218	Z^0 production in e+e- interactions at $\sqrt{s} = 183-209$ GeV. European Physical Journal C, 2007, 17, 503-523.	3.9	3
219	Higgs boson searches in CP-conserving and CP-violating MSSM scenarios with the DELPHI detector. European Physical Journal C, 2008, 18, 1.	3.9	3
220	Search for chargino pair production in scenarios with gravitino LSP and stau NLSP at GeV at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 466, 61-70.	4.1	2
221	Rapidity-alignment and pT compensation of particle pairs in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 243-252.	4.1	2
222	Study of double-tagged $\tau^+\tau^-$ events at LEP2. European Physical Journal C, 2006, 16, 559-568.	3.9	2
223	Validation of the component degradation simulation tool (CODES)., 2011, , .		2
224	Simulation of Single Event Effects and Rate Prediction: CODES an ESA Tool. , 2014, , .		2
225	Dose calculations from the RADFETs response onboard the ALPHASAT CTTB experiment. , 2016, , .		2
226	Electrons in GEO Measured With the ESA Multifunctional Spectrometer During the January 2014 SEP. IEEE Transactions on Nuclear Science, 2018, 65, 1540-1545.	2.0	2
227	Validation of dMEREM, the Detailed Mars Energetic Radiation Environment Model, with RAD Data from the Surface of Mars. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	2
228	Di-jet production in $\tau^+\tau^-$ collisions at LEP2. European Physical Journal C, 2008, 18, 531-541.	3.9	1
229	Inclusive single-particle production in two-photon collisions at LEP II with the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 444-449.	4.1	1
230	Correlations between polarisation states of W particles in the reaction $e^+e^- \rightarrow e^+e^-W^+W^-$ at LEP2 energies 189-209 GeV. European Physical Journal C, 2009, 19, 611-623.	3.9	1
231	Multiple scattering measurement with laser events. Astrophysics and Space Sciences Transactions, 2011, 7, 383-386.	1.0	1
232	Polarimetric analysis of a CdZnTe spectro-imager under multi-pixel irradiation conditions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 840, 69-76.	1.6	1
233	Muon Array with RPCs for Tagging Air showers (MARTA). , 2016, , .		1
234	Beam tests of a prototype of the Radiation Hard Electron Monitor to be flown in the JUICE mission. Journal of Instrumentation, 2020, 15, C06032-C06032.	1.2	1

#	ARTICLE	IF	CITATIONS
235	Study of the four-jet anomaly observed at LEP centre-of-mass energies of 130 and 136 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 448, 311-319.	4.1	0
236	GEANT4 applications for astroparticle experiments. , 2003, , .		0
237	b-tagging in DELPHI at LEP. European Physical Journal C, 2004, 32, 299-301.	3.9	0
238	Measurement of the tau lepton polarisation at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 65-73.	4.1	0
239	Modeling the response of the ESAPMOS4 RADFETs for the ALPHASAT CTTB experiment. , 2013, , .		0
240	Measurement of the electron structure function F_2^e at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 737, 39-47.	4.1	0
241	SEP protons in GEO measured with the ESA MultiFunctional spectrometer. , 2016, , .		0
242	Representativeness of $⁶⁰Co$ Testing for EEE Components to be Flown in JUICE. , 2017, , .		0
243	ELECTRIC CHARGE RECONSTRUCTION WITH RICH DETECTOR OF THE AMS EXPERIMENT. , 2003, , .		0
244	ISOTOPE SEPARATION WITH THE RICH DETECTOR OF THE AMS EXPERIMENT. , 2006, , .		0
245	GEANT4 DETECTOR SIMULATIONS: RADIATION INTERACTION SIMULATIONS FOR THE HIGH-ENERGY ASTROPHYSICS EXPERIMENTS EUSO AND AMS. , 2006, , .		0
246	VELOCITY AND CHARGE RECONSTRUCTION WITH THE AMS/RICH DETECTOR. , 2006, , .		0
247	SIMULATION OF RADIATION MONITORS FOR FUTURE SPACE MISSIONS. , 2006, , .		0
248	AMS α A MAGNETIC SPECTROMETER ON THE INTERNATIONAL SPACE STATION. , 2006, , .		0
249	ISOTOPIC MASS SEPARATION WITH THE RICH DETECTOR OF THE AMS EXPERIMENT. , 2007, , .		0
250	SEP Protons in GEO with the ESA MultiFunctional Spectrometer. , 2016, , .		0